

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-601-010

Original	Current
Unassigned/Unknown	Unassigned/Unknown
2.3	2.3
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
RED RIVER TO W LIMS OF NIELSVILLE	RED RIVER TO W LIMS OF NIELSVILLE
305	305
2017	2017
1.2	1.2
366	366
RURAL	RURAL
2 - RURAL : 150 - 1499	2 ( RURAL : 150 - 1499 )
1972	1972
0	0
No Special Message	No Special Message
	Comments
	Interchange Override
	Segment Override

Bridge Information

Status: Original

Original	Current
5767	5767
0	0
1939	1939
RED RIVER OF THE NORTH	RED RIVER OF THE NORTH
	Type of Service
0	0
362	362
26	26
50%	50%
STATE BORDER BRIDGE @ 50%	STATE BORDER BRIDGE @ 50%
2 ( 150-999,999 )	2 ( 150-999,999 )
	Bridge Group Code

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.3 * 381494.04 / 60 * 25 * 1.1	\$402,158
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.3 * 2112 * 47.59 / 20 * 25	\$288,966
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.3 * 6615.75 / 60 * 25	\$6,340
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost * PercentOfCost	362 * 26 * 141 / 80 * 25 * 1.15 * 50%	\$238,462
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$402,158 + \$288,966 + \$6,340 + \$238,462	\$935,926

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-601-020**

**Original**

**Current**

NIELSVILLE	Municipality	NIELSVILLE
0.08	Segment Length	0.08
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM NIELSVILLE TO 0.08 MI E	Termini	W LIM NIELSVILLE TO 0.08 MI E
305	Present AADT	305
2017	Year of Count	2017
1.2	Projection Factor	1.2
366	Projected Traffic	366
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.08 * 2473473.86 / 60 * 25 * 1.15	\$94,816
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2904 * 47.59 / 15 * 25	\$18,427
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 80560.78 / 60 * 25	\$2,685
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$94,816 + \$18,427 + \$2,685</b>	<b>\$115,928</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name :

POLK

Segment Nbr : 060-601-030

**Original**

**Current**

NIELSVILLE	Municipality	NIELSVILLE
0.11	Segment Length	0.11
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.08 MI E W LIM TO SPOKELIE	Termini	0.08 MI E W LIM TO SPOKELIE
425	Present AADT	425
2017	Year of Count	2017
1.2	Projection Factor	1.2
510	Projected Traffic	510
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.11 * 2473473.86 / 60 * 25 * 1.15	\$130,373
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.11 * 2904 * 47.59 / 15 * 25	\$25,337
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.11 * 80560.78 / 60 * 25	\$3,692
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$130,373 + \$25,337 + \$3,692	\$159,402

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-601-040**

Original		Current
NIELSVILLE	Municipality	NIELSVILLE
0.15	Segment Length	0.15
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SPOKELIE TO TH 75	Termini	SPOKELIE TO TH 75
395	Present AADT	395
2017	Year of Count	2017
1.2	Projection Factor	1.2
474	Projected Traffic	474
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
071503M	USDOT Number	071503M
0	Located at Milepoint	0
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
36	Crossing Length	36
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.15 * 381494.04 / 60 * 25 * 1.1	\$26,228
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.15 * 2112 * 47.59 / 20 * 25	\$18,846
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.15 * 6615.75 / 60 * 25	\$413
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	36 * 1750 / 25 * 25	\$63,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$26,228 + \$18,846 + \$413 + \$2,000 + \$63,000	\$110,487

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-601-050**

**Original**

**Current**

NIELSVILLE	Municipality	NIELSVILLE
0.04	Segment Length	0.04
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO E LIM NIELSVILLE	Termini	TH 75 TO E LIM NIELSVILLE
425	Present AADT	425
2017	Year of Count	2017
1.2	Projection Factor	1.2
510	Projected Traffic	510
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2004	Comments	CONSTRUCTED IN 2004
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.04 * 381494.04 / 60 * 25 * 1.1	\$6,994
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.04 * 2112 * 47.59 / 20 * 25	\$5,026
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.04 * 6615.75 / 60 * 25	\$110
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$6,994 + \$5,026 + \$110</b>	<b>\$12,130</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-601-060**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
13.2	Segment Length	13.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM NIELSVILLE TO TH 9	Termini	E LIM NIELSVILLE TO TH 9
425	Present AADT	425
2017	Year of Count	2017
1.2	Projection Factor	1.2
510	Projected Traffic	510
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2004 SAP 60-601-053 & 60-601-54	Comments	CONSTRUCTED IN 2004 SAP 60-601-053 & 60-601-54
	Interchange Override	
	Segment Override	

**Culvert Information**

**Status: Original**

Original		Current
60K54	Structure Number	60K54
2.858	Milepoint	2.858
2004	Year Built	2004
CO DITCH # 77	Feature Crossed	CO DITCH # 77
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
5	Culvert Height	5
82	Culvert Length	82
50.00046828	Area of Waterway Opening	50.00046828
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information**

**Status: Original**

Original		Current
60K55	Structure Number	60K55
7.64	Milepoint	7.64
2004	Year Built	2004
JUD DITCH # 57	Feature Crossed	JUD DITCH # 57
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
64	Culvert Length	64
69.99979448	Area of Waterway Opening	69.99979448
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information**

**Status: Original**

Original		Current
60K71	Structure Number	60K71

13.797	Milepoint	13.797
2004	Year Built	2004
DITCH	Feature Crossed	DITCH
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
5	Culvert Width	5
3	Culvert Height	3
188	Culvert Length	188
71.9997271	Area of Waterway Opening	71.9997271
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**RailRoadCrossing  
Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
071382S	USDOT Number	071382S
13.13	Located at Milepoint	13.13
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
40	Crossing Length	40
	Last Year Surfaced	
100%	Percentage of Cost	100%
CONCRETE PLANK CROSSING CONSTRUCTED IN 2004	Comments	CONCRETE PLANK CROSSING CONSTRUCTED IN 2004

**Segment Cost  
Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	13.2 * 381494.04 / 60 * 25 * 1.1	\$2,308,039
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	13.2 * 2112 * 47.59 / 20 * 25	\$1,658,416
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	13.2 * 6615.75 / 60 * 25	\$36,387
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	82 * 50.00046828 * 18.01 / 100 * 25 * 1.15	\$21,229
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 69.99979448 * 18.01 / 100 * 25 * 1.15	\$23,197
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	188 * 71.9997271 * 18.01 / 100 * 25 * 1.15	\$70,087
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	40 * 1750 / 25 * 25	\$70,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert + RR Crossing Protection + RR Crossing Surface	\$0 + \$2,308,039 + \$1,658,416 + \$36,387 + \$21,229 + \$23,197 + \$70,087 + \$2,000 + \$70,000	\$4,189,355

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-601-110**

**Original**

**Current**

BELTRAMI	Municipality	BELTRAMI
0.19	Segment Length	0.19
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 9 IN BELTRAMI TO 0.19 MI E	Termini	TH 9 IN BELTRAMI TO 0.19 MI E
570	Present AADT	570
2017	Year of Count	2017
1.2	Projection Factor	1.2
684	Projected Traffic	684
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.19 * 2473473.86 / 60 * 25 * 1.15	\$225,189
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.19 * 2904 * 47.59 / 15 * 25	\$43,764
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.19 * 80560.78 / 60 * 25	\$6,378
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$225,189 + \$43,764 + \$6,378</b>	<b>\$275,331</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-601-120**

**Original**

**Current**

BELTRAMI	Municipality	BELTRAMI
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.19 MI E TH 9 TO E LIM BELTRAMI	Termini	0.19 MI E TH 9 TO E LIM BELTRAMI
570	Present AADT	570
2017	Year of Count	2017
1.2	Projection Factor	1.2
684	Projected Traffic	684
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1998	Latest Year SA funds	1998
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 381494.04 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.59 / 20 * 25	\$62,819
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 6615.75 / 60 * 25	\$1,378
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$87,426 + \$62,819 + \$1,378</b>	<b>\$151,623</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-601-130**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.1	Segment Length	6.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM BELTRAMI TO 6.1 MI E	Termini	E LIM BELTRAMI TO 6.1 MI E
570	Present AADT	570
2017	Year of Count	2017
1.2	Projection Factor	1.2
684	Projected Traffic	684
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1998	Latest Year SA funds	1998
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60J22	Structure Number	60J22
19.48	Milepoint	19.48
1998	Year Built	1998
CO DITCH #95	Feature Crossed	CO DITCH #95
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
6	Culvert Height	6
48	Culvert Length	48
60.00013138	Area of Waterway Opening	60.00013138
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information**

Status: Original

Original		Current
60J23	Structure Number	60J23
23.017	Milepoint	23.017
1998	Year Built	1998
KITTLESON CREEK	Feature Crossed	KITTLESON CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
82	Culvert Length	82
39.99972879	Area of Waterway Opening	39.99972879
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.1 * 381494.04 / 60 * 25 * 1.1	\$1,066,594
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.1 * 2112 * 47.59 / 20 * 25	\$766,389
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.1 * 6615.75 / 60 * 25	\$16,815
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	48 * 60.00013138 * 18.01 / 100 * 25 * 1.15	\$14,912
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	82 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$16,983
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$1,066,594 + \$766,389 + \$16,815 + \$14,912 + \$16,983	\$1,881,693

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-601-140**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.5	Segment Length	4.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
6.1 MI E OF E LIM BELTRAMI TO W LIM FERTILE	Termini	6.1 MI E OF E LIM BELTRAMI TO W LIM FERTILE
770	Present AADT	770
2017	Year of Count	2017
1.2	Projection Factor	1.2
924	Projected Traffic	924
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESURF UNDER PLAN #SAP 60-601-045	Comments	RESURF UNDER PLAN #SAP 60-601-045
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.5 * 381494.04 / 60 * 25 * 1.1	\$786,831
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.5 * 2112 * 47.59 / 20 * 25	\$565,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.5 * 6615.75 / 60 * 25	\$12,405
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$786,831 + \$565,369 + \$12,405</b>	<b>\$1,364,605</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-601-141**

**Original**

**Current**

FERTILE	Municipality	FERTILE
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
WEST LIM FERTILE TO TH 32	Termini	WEST LIM FERTILE TO TH 32
770	Present AADT	770
2017	Year of Count	2017
1.2	Projection Factor	1.2
924	Projected Traffic	924
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESURF UNDER SAP 60-601-045	Comments	RESURF UNDER SAP 60-601-045
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 381494.04 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.59 / 20 * 25	\$62,819
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 6615.75 / 60 * 25	\$1,378
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$87,426 + \$62,819 + \$1,378</b>	<b>\$151,623</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-601-150

Original		Current
FERTILE	Municipality	FERTILE
0.26	Segment Length	0.26
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S JCT TH 32 TO 0.26 MI E	Termini	S JCT TH 32 TO 0.26 MI E
1400	Present AADT	1400
2017	Year of Count	2017
1.2	Projection Factor	1.2
1680	Projected Traffic	1680
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2008, SAP 60-601-57	Comments	OVERLAYED IN 2008, SAP 60-601-57
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.26 * 2473473.86 / 60 * 25 * 1.15	\$308,154
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.26 * 2904 * 47.59 / 15 * 25	\$59,887
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.26 * 80560.78 / 60 * 25	\$8,727
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$308,154 + \$59,887 + \$8,727	\$376,768

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-601-170

Original		Current
FERTILE	Municipality	FERTILE
0.16	Segment Length	0.16
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.26 MI E TO 0.42 MI E TH 32	Termini	0.26 MI E TO 0.42 MI E TH 32
1400	Present AADT	1400
2017	Year of Count	2017
1.2	Projection Factor	1.2
1680	Projected Traffic	1680
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2008, SAP 60-601-57	Comments	OVERLAYED IN 2008, SAP 60-601-57
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.16 * 2473473.86 / 60 * 25 * 1.15	\$189,633
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.16 * 2904 * 47.59 / 15 * 25	\$36,854
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.16 * 80560.78 / 60 * 25	\$5,371
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$189,633 + \$36,854 + \$5,371	\$231,858

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-601-171**

Original		Current
FERTILE	Municipality	FERTILE
0.08	Segment Length	0.08
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.42 MI E TH 32 TO E LIM FERTILE	Termini	0.42 MI E TH 32 TO E LIM FERTILE
1400	Present AADT	1400
2017	Year of Count	2017
1.2	Projection Factor	1.2
1680	Projected Traffic	1680
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2008, SAP 60-601-57	Comments	OVERLAYED IN 2008, SAP 60-601-57
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.08 * 1098967.83 / 60 * 25 * 1.1	\$40,295
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2376 * 47.59 / 20 * 25	\$11,307
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 82442.62 / 60 * 25	\$2,748
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$40,295 + \$11,307 + \$2,748	\$54,350



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-601-172**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM FERTILE TO 0.4 MI E	Termini	E LIM FERTILE TO 0.4 MI E
1400	Present AADT	1400
2017	Year of Count	2017
1.2	Projection Factor	1.2
1680	Projected Traffic	1680
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2008, SAP 60-601-57	Comments	OVERLAYED IN 2008, SAP 60-601-57
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.4 * 1098967.83 / 60 * 25 * 1.1	\$201,477
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2376 * 47.59 / 20 * 25	\$56,537
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 82442.62 / 60 * 25	\$13,740
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$201,477 + \$56,537 + \$13,740</b>	<b>\$271,754</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-601-180**

Original	Current
Unassigned/Unknown	Unassigned/Unknown
6.1	6.1
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
0.4 MI E OF E. LIM. FERTILE TO CSAH 10	0.4 MI E OF E. LIM. FERTILE TO CSAH 10
980	980
2017	2017
1.2	1.2
1176	1176
RURAL	RURAL
2 - RURAL : 150 - 1499	2 ( RURAL : 150 - 1499 )
2008	2008
0	0
No Special Message	No Special Message
OVERLAYED IN 2008, SAP 60-601-57	OVERLAYED IN 2008, SAP 60-601-57
	Interchange Override
	Segment Override

**Bridge Information**

Status: Original

Original	Current
7042	7042
30.4	30.4
1953	1953
SAND HILL RIVER	SAND HILL RIVER
	Type of Service
	Number of Spans
53	53
43	43
100%	100%
	Comments
1 ( 0-149 )	1 ( 0-149 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.1 * 381494.04 / 60 * 25 * 1.1	\$1,066,594
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.1 * 2112 * 47.59 / 20 * 25	\$766,389
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.1 * 6615.75 / 60 * 25	\$16,815
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	53 * 43 * 173 / 80 * 25 * 1.15	\$141,690
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,066,594 + \$766,389 + \$16,815 + \$141,690	\$1,991,488

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-601-200

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 10 TO CSAH 40	Termini	CSAH 10 TO CSAH 40
690	Present AADT	690
2017	Year of Count	2017
1.2	Projection Factor	1.2
828	Projected Traffic	828
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1996	Latest Year SA funds	1996
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
7041	Structure Number	7041
34.88	Milepoint	34.88
1953	Year Built	1953
SAND HILL RIVER	Feature Crossed	SAND HILL RIVER
	Type of Service	
	Number of Spans	
48	Bridge Length	48
43	Bridge Width	43
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 381494.04 / 60 * 25 * 1.1	\$874,257
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.59 / 20 * 25	\$628,188
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 6615.75 / 60 * 25	\$13,783
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	48 * 43 * 173 / 80 * 25 * 1.15	\$128,323
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$874,257 + \$628,188 + \$13,783 + \$128,323	\$1,644,551

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-601-201**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.7	Segment Length	1.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 40 TO WEST LIMITS OF WINGER	Termini	CSAH 40 TO WEST LIMITS OF WINGER
860	Present AADT	860
2017	Year of Count	2017
1.2	Projection Factor	1.2
1032	Projected Traffic	1032
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1968	Latest Year SA funds	1968
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.7 * 381494.04 / 60 * 25 * 1.1	\$297,247
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.7 * 2112 * 47.59 / 20 * 25	\$213,584
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.7 * 6615.75 / 60 * 25	\$4,686
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$297,247 + \$213,584 + \$4,686</b>	<b>\$515,517</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-601-210**

**Original**

**Current**

WINGER	Municipality	WINGER
0.21	Segment Length	0.21
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM WINGER TO MAIN ST	Termini	W LIM WINGER TO MAIN ST
860	Present AADT	860
2017	Year of Count	2017
1.2	Projection Factor	1.2
1032	Projected Traffic	1032
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.21 * 2473473.86 / 60 * 25 * 1.15	\$248,893
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.21 * 2904 * 47.59 / 15 * 25	\$48,370
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.21 * 80560.78 / 60 * 25	\$7,049
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$248,893 + \$48,370 + \$7,049</b>	<b>\$304,312</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-601-215**

Original		Current
WINGER	Municipality	WINGER
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
MAIN ST TO LOITEN ST	Termini	MAIN ST TO LOITEN ST
1250	Present AADT	1250
2017	Year of Count	2017
1.2	Projection Factor	1.2
1500	Projected Traffic	1500
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695775A	USDOT Number	695775A
0.2	Located at Milepoint	0.2
1	Mainline Tracks	1
SIGNALS ONLY	Protection Type	SIGNALS ONLY
1991	Last Year Protection Upgraded	1991
48	Crossing Length	48
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 2473473.86 / 60 * 25 * 1.15	\$237,041
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2904 * 47.59 / 15 * 25	\$46,067
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 80560.78 / 60 * 25	\$6,713
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	300000 / 25 * 25	\$300,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	48 * 1750 / 25 * 25	\$84,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$237,041 + \$46,067 + \$6,713 + \$300,000 + \$84,000	\$673,821

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-601-220**

**Original**

**Current**

WINGER	Municipality	WINGER
0.05	Segment Length	0.05
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
LOITEN ST TO S. JCT. TH 59	Termini	LOITEN ST TO S. JCT. TH 59
1150	Present AADT	1150
2017	Year of Count	2017
1.2	Projection Factor	1.2
1380	Projected Traffic	1380
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.05 * 2473473.86 / 60 * 25 * 1.15	\$59,260
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.05 * 2904 * 47.59 / 15 * 25	\$11,517
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.05 * 80560.78 / 60 * 25	\$1,678
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$59,260 + \$11,517 + \$1,678</b>	<b>\$72,455</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-601-230**

**Original**

**Current**

WINGER	Municipality	WINGER
0.13	Segment Length	0.13
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N JCT TH 59 TO E LIM WINGER	Termini	N JCT TH 59 TO E LIM WINGER
990	Present AADT	990
2017	Year of Count	2017
1.2	Projection Factor	1.2
1188	Projected Traffic	1188
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2004 SAP 60-601-55	Comments	OVERLAYED IN 2004 SAP 60-601-55
REINSTATEED FULL NEEDS/ URBAN DESIGN		REINSTATEED FULL NEEDS/ URBAN DESIGN
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.13 * 381494.04 / 60 * 25 * 1.1	\$22,731
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.13 * 2112 * 47.59 / 20 * 25	\$16,333
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.13 * 6615.75 / 60 * 25	\$358
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$22,731 + \$16,333 + \$358</b>	<b>\$39,422</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-601-240**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM WINGER TO CSAH 8	Termini	E LIM WINGER TO CSAH 8
990	Present AADT	990
2017	Year of Count	2017
1.2	Projection Factor	1.2
1188	Projected Traffic	1188
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESURFACED SAP 60-601-55	Comments	RESURFACED SAP 60-601-55
REINSTATED FULL NEEDS		REINSTATED FULL NEEDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 381494.04 / 60 * 25 * 1.1	\$699,406
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 47.59 / 20 * 25	\$502,550
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 6615.75 / 60 * 25	\$11,026
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$699,406 + \$502,550 + \$11,026</b>	<b>\$1,212,982</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-601-250

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 8 TO 0.2 MI E	Termini	CSAH 8 TO 0.2 MI E
990	Present AADT	990
2017	Year of Count	2017
1.2	Projection Factor	1.2
1188	Projected Traffic	1188
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
WIDENED AND RECONSTRUCTED IN 2004 SAP 60-6010-55 REPLACED BR 7069 WITH 60K53 UNDER SAME PLAN	Comments	WIDENED AND RECONSTRUCTED IN 2004 SAP 60-6010-55 REPLACED BR 7069 WITH 60K53 UNDER SAME PLAN
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
60K53	Structure Number	60K53
48.15	Milepoint	48.15
2004	Year Built	2004
SANDHILL RIVER	Feature Crossed	SANDHILL RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
10	Culvert Height	10
84	Culvert Length	84
199.99972034	Area of Waterway Opening	199.99972034
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 381494.04 / 60 * 25 * 1.1	\$34,970
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 47.59 / 20 * 25	\$25,128
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 6615.75 / 60 * 25	\$551
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	84 * 199.99972034 * 18.01 / 100 * 25 * 1.15	\$86,988

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$34,970 + \$25,128 + \$551 + \$86,988</b>	<b>\$147,637</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-601-260**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8.3	Segment Length	8.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.2 MI E OF CSAH 8 TO W. LIMITS OF FOSSTON	Termini	0.2 MI E OF CSAH 8 TO W. LIMITS OF FOSSTON
1150	Present AADT	1150
2017	Year of Count	2017
1.2	Projection Factor	1.2
1380	Projected Traffic	1380
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2004 SAP 60-601-55	Comments	OVERLAYED IN 2004 SAP 60-601-55
REINSTATED FULL NEEDS IN 2010		REINSTATED FULL NEEDS IN 2010
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60J20	Structure Number	60J20
53.27	Milepoint	53.27
1998	Year Built	1998
CO DITCH # 48	Feature Crossed	CO DITCH # 48
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
9	Culvert Height	9
88	Culvert Length	88
93.000096	Area of Waterway Opening	93.000096
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8.3 * 381494.04 / 60 * 25 * 1.1	\$1,451,267
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8.3 * 2112 * 47.59 / 20 * 25	\$1,042,792
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8.3 * 6615.75 / 60 * 25	\$22,879

<b>Culvert</b>	<b>CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost</b>	<b>88 * 93.000096 * 18.01 / 100 * 25 * 1.15</b>	<b>\$42,376</b>
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$1,451,267 + \$1,042,792 + \$22,879 + \$42,376</b>	<b>\$2,559,314</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-601-280

Original		Current
FOSSTON	Municipality	FOSSTON
0.13	Segment Length	0.13
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM FOSSTON TO JOHNSON AVE	Termini	W LIM FOSSTON TO JOHNSON AVE
1150	Present AADT	1150
2017	Year of Count	2017
1.2	Projection Factor	1.2
1380	Projected Traffic	1380
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2004 SAP 60-601-55	Comments	OVERLAYED IN 2004 SAP 60-601-55
REINSTATE FULL NEEDS IN 2010		REINSTATE FULL NEEDS IN 2010
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.13 * 381494.04 / 60 * 25 * 1.1	\$22,731
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.13 * 2112 * 47.59 / 20 * 25	\$16,333
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.13 * 6615.75 / 60 * 25	\$358
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$22,731 + \$16,333 + \$358	\$39,422

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-601-290

Original		Current
FOSSTON	Municipality	FOSSTON
0.31	Segment Length	0.31
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
(ON JOHNSON AVE) SO HILLIGOSS TO TH 2	Termini	(ON JOHNSON AVE) SO HILLIGOSS TO TH 2
1500	Present AADT	1500
2017	Year of Count	2017
1.2	Projection Factor	1.2
1800	Projected Traffic	1800
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2004	Latest Year SA funds	2004
1	Number of Signal Legs	1
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2004 SAP 60-601-055	Comments	OVERLAYED IN 2004 SAP 60-601-055
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081716A	USDOT Number	081716A
0.25	Located at Milepoint	0.25
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1988	Last Year Protection Upgraded	1988
56	Crossing Length	56
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.31 * 2473473.86 / 60 * 25 * 1.15	\$367,414
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.31 * 2904 * 47.59 / 15 * 25	\$71,404
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.31 * 80560.78 / 60 * 25	\$10,406
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	56 * 1750 / 25 * 25	\$98,000

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface</b>	<b>\$38,281 + \$367,414 + \$71,404 + \$10,406 + \$350,000 + \$98,000</b>	<b>\$935,505</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-601-300**

**Original**

**Current**

FOSSTON	Municipality	FOSSTON
0.06	Segment Length	0.06
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO 0.06 MI E	Termini	TH 2 TO 0.06 MI E
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SAP 060-601-060 RECONST	Comments	2014 SAP 060-601-060 RECONST
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.06 * 381494.04 / 60 * 25 * 1.1	\$10,491
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.06 * 2112 * 47.59 / 20 * 25	\$7,538
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.06 * 6615.75 / 60 * 25	\$165
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$10,491 + \$7,538 + \$165</b>	<b>\$18,194</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-601-310**

**Original**

**Current**

FOSSTON	Municipality	FOSSTON
0.19	Segment Length	0.19
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.06 MI TO 0.25 MI E OF TH 2	Termini	0.06 MI TO 0.25 MI E OF TH 2
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SAP 060-601-060 RECONST	Comments	2014 SAP 060-601-060 RECONST
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.19 * 381494.04 / 60 * 25 * 1.1	\$33,222
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.19 * 2112 * 47.59 / 20 * 25	\$23,871
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.19 * 6615.75 / 60 * 25	\$524
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$33,222 + \$23,871 + \$524</b>	<b>\$57,617</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-601-320**

Original		Current
FOSSTON	Municipality	FOSSTON
0.07	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.25 MI E TO 0.32 MI E OF TH 2	Termini	0.25 MI E TO 0.32 MI E OF TH 2
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SAP 060-601-060 RECONST	Comments	2014 SAP 060-601-060 RECONST
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 381494.04 / 60 * 25 * 1.1	\$12,240
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2112 * 47.59 / 20 * 25	\$8,795
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 6615.75 / 60 * 25	\$193
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$12,240 + \$8,795 + \$193</b>	<b>\$21,228</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-601-330**

Original		Current
FOSSTON	Municipality	FOSSTON
0.07	Segment Length	0.07
SURFACE TREATED	Existing Surface Type	SURFACE TREATED
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.32 MI E OF TH 2 TO E LIM FOSSTON	Termini	0.32 MI E OF TH 2 TO E LIM FOSSTON
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SAP 060-601-060 RECONST	Comments	2014 SAP 060-601-060 RECONST
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 381494.04 / 60 * 25 * 1.1	\$12,240
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2112 * 47.59 / 20 * 25	\$8,795
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 6615.75 / 60 * 25	\$193
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$12,240 + \$8,795 + \$193</b>	<b>\$21,228</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-601-340

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8.6	Segment Length	8.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM FOSSTON TO E. COUNTY LINE	Termini	E LIM FOSSTON TO E. COUNTY LINE
660	Present AADT	660
2017	Year of Count	2017
1.2	Projection Factor	1.2
792	Projected Traffic	792
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SAP 060-601-058 M&OL	Comments	2014 SAP 060-601-058 M&OL
COMBINED SEG 340 & 350 IN 2005		COMBINED SEG 340 & 350 IN 2005
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
92443	Structure Number	92443
61.03	Milepoint	61.03
1966	Year Built	1966
POPLAR RIVER	Feature Crossed	POPLAR RIVER
	Type of Service	
	Number of Spans	
50	Bridge Length	50
32.4	Bridge Width	32.4
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8.6 * 381494.04 / 60 * 25 * 1.1	\$1,503,722
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8.6 * 2112 * 47.59 / 20 * 25	\$1,080,483
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8.6 * 6615.75 / 60 * 25	\$23,706
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	50 * 32.4 * 173 / 80 * 25 * 1.15	\$100,718
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,503,722 + \$1,080,483 + \$23,706 + \$100,718	\$2,708,629

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-602-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO TH 92	Termini	CSAH 3 TO TH 92
375	Present AADT	375
2017	Year of Count	2017
1.2	Projection Factor	1.2
450	Projected Traffic	450
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SP 060-602-019 OL	Comments	2015 SP 060-602-019 OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 381494.04 / 60 * 25 * 1.1	\$1,049,109
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 47.59 / 20 * 25	\$753,826
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 6615.75 / 60 * 25	\$16,539
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,049,109 + \$753,826 + \$16,539</b>	<b>\$1,819,474</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-602-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 92 TO S LIM GULLY	Termini	TH 92 TO S LIM GULLY
850	Present AADT	850
2017	Year of Count	2017
1.2	Projection Factor	1.2
1020	Projected Traffic	1020
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2005	Comments	CONSTRUCTED IN 2005
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 381494.04 / 60 * 25 * 1.1	\$34,970
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 47.59 / 20 * 25	\$25,128
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 6615.75 / 60 * 25	\$551
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$34,970 + \$25,128 + \$551</b>	<b>\$60,649</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-602-021**

Original		Current
GULLY	Municipality	GULLY
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S LIMS GULLY TO 2ND AVE	Termini	S LIMS GULLY TO 2ND AVE
850	Present AADT	850
2017	Year of Count	2017
1.2	Projection Factor	1.2
1020	Projected Traffic	1020
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2005 UNDER SAP 60-602-018	Comments	CONSTRUCTED IN 2005 UNDER SAP 60-602-018
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 2473473.86 / 60 * 25 * 1.15	\$237,041
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2904 * 47.59 / 15 * 25	\$46,067
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 80560.78 / 60 * 25	\$6,713
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$237,041 + \$46,067 + \$6,713</b>	<b>\$289,821</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-602-030**

Original		Current
GULLY	Municipality	GULLY
0.12	Segment Length	0.12
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2ND AVE TO GULLY AVE	Termini	2ND AVE TO GULLY AVE
850	Present AADT	850
2017	Year of Count	2017
1.2	Projection Factor	1.2
1020	Projected Traffic	1020
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2005 UNDER SAP 60-602-018	Comments	CONSTRUCTED IN 2005 UNDER SAP 60-602-018
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.12 * 2473473.86 / 60 * 25 * 1.15	\$142,225
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.12 * 2904 * 47.59 / 15 * 25	\$27,640
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.12 * 80560.78 / 60 * 25	\$4,028
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$142,225 + \$27,640 + \$4,028</b>	<b>\$173,893</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-602-040**

Original		Current
GULLY	Municipality	GULLY
0.18	Segment Length	0.18
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
GULLY AVE TO NO LIM GULLY	Termini	GULLY AVE TO NO LIM GULLY
680	Present AADT	680
2017	Year of Count	2017
1.2	Projection Factor	1.2
816	Projected Traffic	816
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2005 UNDER SAP 60-602-018	Comments	CONSTRUCTED IN 2005 UNDER SAP 60-602-018
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
696114K	USDOT Number	696114K
0	Located at Milepoint	0
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
36	Crossing Length	36
	Last Year Surfaced	
100%	Percentage of Cost	100%
ADDED CONCRETE PLANKS IN 2005	Comments	ADDED CONCRETE PLANKS IN 2005

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.18 * 2473473.86 / 60 * 25 * 1.15	\$213,337
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.18 * 2904 * 47.59 / 15 * 25	\$41,460
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.18 * 80560.78 / 60 * 25	\$6,042
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	36 * 1750 / 25 * 25	\$63,000

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface</b>	<b>\$0 + \$213,337 + \$41,460 + \$6,042 + \$2,000 + \$63,000</b>	<b>\$325,839</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-602-045**

Original		Current
GULLY	Municipality	GULLY
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N. LIMITS OF GULLY TO CSAH 74	Termini	N. LIMITS OF GULLY TO CSAH 74
680	Present AADT	680
2017	Year of Count	2017
1.2	Projection Factor	1.2
816	Projected Traffic	816
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2005 UNDER SAP 60-602-018	Comments	CONSTRUCTED IN 2005 UNDER SAP 60-602-018
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.4 * 381494.04 / 60 * 25 * 1.1	\$69,941
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2112 * 47.59 / 20 * 25	\$50,255
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 6615.75 / 60 * 25	\$1,103
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$69,941 + \$50,255 + \$1,103	\$121,299

**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-602-050</b>
<b>Original</b>	<b>Current</b>	
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.9	Segment Length	4.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 74 TO 4.9 MILES NORTH	Termini	CSAH 74 TO 4.9 MILES NORTH
500	Present AADT	500
2017	Year of Count	2017
1.2	Projection Factor	1.2
600	Projected Traffic	600
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2006	Latest Year SA funds	2006
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED 2006, SP 60-602-017	Comments	RECONSTRUCTED 2006, SP 60-602-017
	Interchange Override	
	Segment Override	

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
60K73	Structure Number	60K73
9.037	Milepoint	9.037
2006	Year Built	2006
SD # 61 LAT 1	Feature Crossed	SD # 61 LAT 1
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
66	Culvert Length	66
39.99972879	Area of Waterway Opening	39.99972879
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
60K74	Structure Number	60K74
9.93	Milepoint	9.93
2006	Year Built	2006
JD # 72 BR 8	Feature Crossed	JD # 72 BR 8
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
5	Culvert Width	5
3	Culvert Height	3
78	Culvert Length	78
22.00033521	Area of Waterway Opening	22.00033521
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
60K75	Structure Number	60K75

10.874	Milepoint	10.874
2006	Year Built	2006
CD # 88	Feature Crossed	CD # 88
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
	Culvert Width	
	Culvert Height	
78	Culvert Length	78
34.99989724	Area of Waterway Opening	34.99989724
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

### Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.9 * 381494.04 / 60 * 25 * 1.1	\$856,772
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.9 * 2112 * 47.59 / 20 * 25	\$615,624
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.9 * 6615.75 / 60 * 25	\$13,507
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	66 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$13,669
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	78 * 22.00033521 * 18.01 / 100 * 25 * 1.15	\$8,885
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	78 * 34.99989724 * 18.01 / 100 * 25 * 1.15	\$14,136
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert	\$0 + \$856,772 + \$615,624 + \$13,507 + \$13,669 + \$8,885 + \$14,136	\$1,522,593

**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-602-060</b>
<b>Original</b>		<b>Current</b>
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
4.9 MILES N. OF CSAH 74 TO N CO LINE	Termini	4.9 MILES N. OF CSAH 74 TO N CO LINE
500	Present AADT	500
2017	Year of Count	2017
1.2	Projection Factor	1.2
600	Projected Traffic	600
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2006	Latest Year SA funds	2006
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED IN 2006, SP 60-602-017	Comments	RECONSTRUCTED IN 2006, SP 60-602-017
	Interchange Override	
	Segment Override	

<b>Bridge Information</b>		<b>Status: Original</b>
<b>Original</b>		<b>Current</b>
60556	Structure Number	60556
17.46	Milepoint	17.46
2006	Year Built	2006
CLEARWATER RIVER	Feature Crossed	CLEARWATER RIVER
	Type of Service	
	Number of Spans	
111.92	Bridge Length	111.92
39.33	Bridge Width	39.33
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

<b>Bridge Information</b>		<b>Status: Original</b>
<b>Original</b>		<b>Current</b>
60557	Structure Number	60557
12.22	Milepoint	12.22
2006	Year Built	2006
LOST RIVER	Feature Crossed	LOST RIVER
	Type of Service	
	Number of Spans	
88.5	Bridge Length	88.5
39.33	Bridge Width	39.33
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$6 * 381494.04 / 60 * 25 * 1.1$	\$1,049,109
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$6 * 2112 * 47.59 / 20 * 25$	\$753,826
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$6 * 6615.75 / 60 * 25$	\$16,539
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$111.92 * 39.33 * 173 / 80 * 25 * 1.15$	\$273,669
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$88.5 * 39.33 * 173 / 80 * 25 * 1.15$	\$216,402
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge	$\$0 + \$1,049,109 + \$753,826 + \$16,539 + \$273,669 + \$216,402$	\$2,309,545



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-603-005**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.5	Segment Length	1.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 30 to CSAH 6	Termini	CSAH 30 to CSAH 6
100	Present AADT	100
	Year of Count	
1.5	Projection Factor	1.5
150	Projected Traffic	150
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2019	Latest Year SA funds	2019
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
Constructed in 2019	Comments	Constructed in 2019
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.5 * 381494.04 / 60 * 25 * 1.1	\$262,277
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.5 * 2112 * 47.59 / 20 * 25	\$188,456
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.5 * 6615.75 / 60 * 25	\$4,135
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$262,277 + \$188,456 + \$4,135</b>	<b>\$454,868</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-603-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 6 TO CSAH 29	Termini	CSAH 6 TO CSAH 29
465	Present AADT	465
2017	Year of Count	2017
1.2	Projection Factor	1.2
558	Projected Traffic	558
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2019	Latest Year SA funds	2019
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
Gradewiden overlaid in 2019	Comments	Gradewiden overlaid in 2019
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 381494.04 / 60 * 25 * 1.1	\$874,257
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.59 / 20 * 25	\$628,188
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 6615.75 / 60 * 25	\$13,783
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$874,257 + \$628,188 + \$13,783</b>	<b>\$1,516,228</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-603-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.9	Segment Length	5.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 29 TO AND ALONG POLK/CLEARWATER CO. LINE	Termini	CSAH 29 TO AND ALONG POLK/CLEARWATER CO. LINE
340	Present AADT	340
2017	Year of Count	2017
1.2	Projection Factor	1.2
408	Projected Traffic	408
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1988	Latest Year SA funds	1988
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
COMBINED SEG 020, 030 & 040 IN 2005 overlaid in 2019	Comments	COMBINED SEG 020, 030 & 040 IN 2005 overlaid in 2019
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.9 * 381494.04 / 60 * 25 * 1.1	\$1,031,623
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.9 * 2112 * 47.59 / 20 * 25	\$741,262
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.9 * 6615.75 / 60 * 25	\$16,264
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,031,623 + \$741,262 + \$16,264</b>	<b>\$1,789,149</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-604-010

Original	Current
Unassigned/Unknown	Unassigned/Unknown
1.3	1.3
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
SO CO LINE TO W LIM LENGBY	SO CO LINE TO W LIM LENGBY
630	630
2017	2017
1.2	1.2
756	756
RURAL	RURAL
2 - RURAL : 150 - 1499	2 ( RURAL : 150 - 1499 )
2008	2008
0	0
No Special Message	No Special Message
SHOULDER GRADED AND PAVED IN 2008, BIT PAVEMENT RECLAMATION, SAP 60-604-08	SHOULDER GRADED AND PAVED IN 2008, BIT PAVEMENT RECLAMATION, SAP 60-604-08
	Interchange Override
	Segment Override

Culvert Information

Status: Original

Original	Current
60L06	60L06
1.016	1.016
2008	2008
POPLAR RIVER	POPLAR RIVER
STREAM CROSSING	STREAM CROSSING
1	1
10	10
5	5
90	90
50.00046828	50.00046828
100%	100%
	Comments
1	Culvert Group Code

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.3 * 381494.04 / 60 * 25 * 1.1	\$227,307
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.3 * 2112 * 47.59 / 20 * 25	\$163,329
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.3 * 6615.75 / 60 * 25	\$3,584
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	90 * 50.00046828 * 18.01 / 100 * 25 * 1.15	\$23,301

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$227,307 + \$163,329 + \$3,584 + \$23,301</b>	<b>\$417,521</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-604-020**

Original		Current
LENGBY	Municipality	LENGBY
0.22	Segment Length	0.22
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM LENGBY TO DEWEY	Termini	W LIM LENGBY TO DEWEY
550	Present AADT	550
2017	Year of Count	2017
1.2	Projection Factor	1.2
660	Projected Traffic	660
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED IN 2009 SAP 060-604-009	Comments	RECONSTRUCTED IN 2009 SAP 060-604-009
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.22 * 2473473.86 / 60 * 25 * 1.15	\$260,745
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.22 * 2904 * 47.59 / 15 * 25	\$50,674
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.22 * 80560.78 / 60 * 25	\$7,385
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$260,745 + \$50,674 + \$7,385</b>	<b>\$318,804</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-604-030**

Original		Current
LENGBY	Municipality	LENGBY
0.18	Segment Length	0.18
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
(ON TILL AV) DEWEY TO BN RR	Termini	(ON TILL AV) DEWEY TO BN RR
900	Present AADT	900
2017	Year of Count	2017
1.2	Projection Factor	1.2
1080	Projected Traffic	1080
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2009	Latest Year SA funds	2009
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED IN 2009 SAP 060-604009	Comments	RECONSTRUCTED IN 2009 SAP 060-604009
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081728U	USDOT Number	081728U
0.18	Located at Milepoint	0.18
1	Mainline Tracks	1
SIGNALS ONLY	Protection Type	SIGNALS ONLY
1988	Last Year Protection Upgraded	1988
40	Crossing Length	40
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.18 * 2473473.86 / 60 * 25 * 1.15	\$213,337
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.18 * 2904 * 47.59 / 15 * 25	\$41,460
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.18 * 80560.78 / 60 * 25	\$6,042
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	300000 / 25 * 25	\$300,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	40 * 1750 / 25 * 25	\$70,000

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface</b>	<b>\$0 + \$213,337 + \$41,460 + \$6,042 + \$300,000 + \$70,000</b>	<b>\$630,839</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-604-040**

Original		Current
LENGBY	Municipality	LENGBY
0.13	Segment Length	0.13
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
B N RR TO N.E CORPORATE LIMITS	Termini	B N RR TO N.E CORPORATE LIMITS
900	Present AADT	900
2017	Year of Count	2017
1.2	Projection Factor	1.2
1080	Projected Traffic	1080
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SURFACED IN 2009 060-604-010	Comments	SURFACED IN 2009 060-604-010
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.13 * 381494.04 / 60 * 25 * 1.1	\$22,731
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.13 * 2112 * 47.59 / 20 * 25	\$16,333
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.13 * 6615.75 / 60 * 25	\$358
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$22,731 + \$16,333 + \$358</b>	<b>\$39,422</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-604-050**

Original		Current
LENGBY	Municipality	LENGBY
0.1	Segment Length	0.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N.E. LIMITS OF LENGBY TO N.W LIMITS LENGBY	Termini	N.E. LIMITS OF LENGBY TO N.W LIMITS LENGBY
900	Present AADT	900
2017	Year of Count	2017
1.2	Projection Factor	1.2
1080	Projected Traffic	1080
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SURFACED 2008 060-604-010	Comments	SURFACED 2008 060-604-010
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.1 * 381494.04 / 60 * 25 * 1.1	\$17,485
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 47.59 / 20 * 25	\$12,564
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 6615.75 / 60 * 25	\$276
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$17,485 + \$12,564 + \$276</b>	<b>\$30,325</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-604-060**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.6	Segment Length	0.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N.W LIMITS LENGBY TO TH 2	Termini	N.W LIMITS LENGBY TO TH 2
900	Present AADT	900
2017	Year of Count	2017
1.2	Projection Factor	1.2
1080	Projected Traffic	1080
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2005	Comments	REINSTATE FULL NEEDS IN 2005
SAP 60-604-10, MILL & OVERLAY 2008		SAP 60-604-10, MILL & OVERLAY 2008
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.6 * 381494.04 / 60 * 25 * 1.1	\$104,911
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.6 * 2112 * 47.59 / 20 * 25	\$75,383
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.6 * 6615.75 / 60 * 25	\$1,654
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$104,911 + \$75,383 + \$1,654	\$181,948

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-605-010

Original	Current
Unassigned/Unknown	Unassigned/Unknown
7	7
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
CSAH 8 TO CSAH 6	CSAH 8 TO CSAH 6
170	170
2017	2017
1.2	1.2
204	204
RURAL	RURAL
2 - RURAL : 150 - 1499	2 ( RURAL : 150 - 1499 )
2012	2012
0	0
No Special Message	No Special Message
2012 SAP 060-605-008 OL	2012 SAP 060-605-008 OL
REINSTATED FULL NEEDS	REINSTATED FULL NEEDS
	Interchange Override
	Segment Override

**Culvert Information**

Status: Original

Original	Current
93152	93152
3.25	3.25
1975	1975
HILL RIVER	HILL RIVER
	Type of Service
2	2
14	14
8	8
90	90
163.99985679	163.99985679
100%	100%
	Comments
1	1
	Culvert Group Code

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7 * 381494.04 / 60 * 25 * 1.1	\$1,223,960
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 47.59 / 20 * 25	\$879,463
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 6615.75 / 60 * 25	\$19,296
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	90 * 163.99985679 * 18.01 / 100 * 25 * 1.15	\$76,425

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$1,223,960 + \$879,463 + \$19,296 + \$76,425</b>	<b>\$2,199,144</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-605-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 6 TO E CO LINE	Termini	CSAH 6 TO E CO LINE
200	Present AADT	200
2017	Year of Count	2017
1.2	Projection Factor	1.2
240	Projected Traffic	240
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1992	Latest Year SA funds	1992
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATED FULL NEEDS	Comments	REINSTATED FULL NEEDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7 * 381494.04 / 60 * 25 * 1.1	\$1,223,960
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 47.59 / 20 * 25	\$879,463
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 6615.75 / 60 * 25	\$19,296
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,223,960 + \$879,463 + \$19,296</b>	<b>\$2,122,719</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-606-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO CO LINE TO SO LIM FOSSTON	Termini	SO CO LINE TO SO LIM FOSSTON
690	Present AADT	690
2017	Year of Count	2017
1.2	Projection Factor	1.2
828	Projected Traffic	828
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SP 060-070-005 RUMBLES & OL ON CSAH 6	Comments	2014 SP 060-070-005 RUMBLES & OL ON CSAH 6
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 381494.04 / 60 * 25 * 1.1	\$874,257
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.59 / 20 * 25	\$628,188
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 6615.75 / 60 * 25	\$13,783
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$874,257 + \$628,188 + \$13,783</b>	<b>\$1,516,228</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-606-011**

**Original**

**Current**

FOSSTON	Municipality	FOSSTON
0.1	Segment Length	0.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S LIM FOSSTON TO 0.11 M S TH 2	Termini	S LIM FOSSTON TO 0.11 M S TH 2
690	Present AADT	690
2017	Year of Count	2017
1.2	Projection Factor	1.2
828	Projected Traffic	828
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.1 * 2473473.86 / 60 * 25 * 1.15	\$118,521
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2904 * 47.59 / 15 * 25	\$23,034
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 80560.78 / 60 * 25	\$3,357
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$118,521 + \$23,034 + \$3,357</b>	<b>\$144,912</b>



SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-606-020

Original		Current
FOSSTON	Municipality	FOSSTON
0.11	Segment Length	0.11
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.11 M S TO TH 2	Termini	0.11 M S TO TH 2
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081719V	USDOT Number	081719V
0.08	Located at Milepoint	0.08
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1988	Last Year Protection Upgraded	1988
56	Crossing Length	56
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.11 * 381494.04 / 60 * 25 * 1.1	\$19,234
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.11 * 2112 * 47.59 / 20 * 25	\$13,820
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.11 * 6615.75 / 60 * 25	\$303
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	56 * 1750 / 25 * 25	\$98,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$19,234 + \$13,820 + \$303 + \$350,000 + \$98,000	\$481,357

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name :

POLK

Segment Nbr : 060-606-030

**Original**

**Current**

FOSSTON	Municipality	FOSSTON
0.58	Segment Length	0.58
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO 0.58 MI NO OF TH 2	Termini	TH 2 TO 0.58 MI NO OF TH 2
2000	Present AADT	2000
2017	Year of Count	2017
1.2	Projection Factor	1.2
2400	Projected Traffic	2400
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2006	Latest Year SA funds	2006
1	Number of Signal Legs	1
No Special Message	Special Message Code	No Special Message
MILL AND OVERLAY 2006, SAP 60-606-24	Comments	MILL AND OVERLAY 2006, SAP 60-606-24
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.58 * 2473473.86 / 60 * 25 * 1.15	\$687,420
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.58 * 2904 * 47.59 / 15 * 25	\$133,595
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.58 * 80560.78 / 60 * 25	\$19,469
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$38,281 + \$687,420 + \$133,595 + \$19,469</b>	<b>\$878,765</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-606-040

Original		Current
FOSSTON	Municipality	FOSSTON
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.58 MI N OF TH 2 TO 0.78 M N & E OF TH 2	Termini	0.58 MI N OF TH 2 TO 0.78 M N & E OF TH 2
1300	Present AADT	1300
2017	Year of Count	2017
1.2	Projection Factor	1.2
1560	Projected Traffic	1560
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2001	Latest Year SA funds	2001
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 2473473.86 / 60 * 25 * 1.15	\$237,041
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2904 * 47.59 / 15 * 25	\$46,067
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 80560.78 / 60 * 25	\$6,713
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$237,041 + \$46,067 + \$6,713	\$289,821

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-606-050**

Original		Current
FOSSTON	Municipality	FOSSTON
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.78 MILES NORTHEAST OF TH 2 TO NORTH LIMITS FOSSTON	Termini	0.78 MILES NORTHEAST OF TH 2 TO NORTH LIMITS FOSSTON
1300	Present AADT	1300
2017	Year of Count	2017
1.2	Projection Factor	1.2
1560	Projected Traffic	1560
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2001	Latest Year SA funds	2001
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
TOTAL RECONSTRUCTION IN 2001	Comments	TOTAL RECONSTRUCTION IN 2001
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 1098967.83 / 60 * 25 * 1.1	\$100,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2376 * 47.59 / 20 * 25	\$28,268
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 82442.62 / 60 * 25	\$6,870
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$100,739 + \$28,268 + \$6,870</b>	<b>\$135,877</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-606-051**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.2	Segment Length	2.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N LIM FOSSTON TO CSAH 3	Termini	N LIM FOSSTON TO CSAH 3
1300	Present AADT	1300
2017	Year of Count	2017
1.2	Projection Factor	1.2
1560	Projected Traffic	1560
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2001	Latest Year SA funds	2001
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
TOTAL RECONSTRUCTION IN 2001	Comments	TOTAL RECONSTRUCTION IN 2001
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60J63	Structure Number	60J63
7.417	Milepoint	7.417
2001	Year Built	2001
Poplar River	Feature Crossed	Poplar River
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
6	Culvert Height	6
108	Culvert Length	108
120.00026276	Area of Waterway Opening	120.00026276
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.2 * 1098967.83 / 60 * 25 * 1.1	\$1,108,126
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.2 * 2376 * 47.59 / 20 * 25	\$310,953
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.2 * 82442.62 / 60 * 25	\$75,572
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	108 * 120.00026276 * 18.01 / 100 * 25 * 1.15	\$67,105
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,108,126 + \$310,953 + \$75,572 + \$67,105	\$1,561,756

**SANEEDS - CSAH - Segment Report**

Roadway Segment Information		Status : Original
County Name :	POLK	Segment Nbr : 060-606-060
Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.1	Segment Length	5.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO CSAH 35	Termini	CSAH 3 TO CSAH 35
540	Present AADT	540
2017	Year of Count	2017
1.2	Projection Factor	1.2
648	Projected Traffic	648
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED IN 2002	Comments	RECONSTRUCTED IN 2002
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original		Current
60J96	Structure Number	60J96
13.997	Milepoint	13.997
2002	Year Built	2002
HILL RIVER	Feature Crossed	HILL RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
6	Culvert Height	6
70	Culvert Length	70
120.00026276	Area of Waterway Opening	120.00026276
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original		Current
60J97	Structure Number	60J97
12.437	Milepoint	12.437
2002	Year Built	2002
CO DITCH # 23	Feature Crossed	CO DITCH # 23
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
6	Culvert Height	6
84	Culvert Length	84
60.00013138	Area of Waterway Opening	60.00013138
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original		Current
60J98	Structure Number	60J98
11.593	Milepoint	11.593

2002	Year Built	2002
CO DITCH # 23	Feature Crossed	CO DITCH # 23
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
70	Culvert Length	70
39.99972879	Area of Waterway Opening	39.99972879
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information**

Status: Original

Original		Current
60J99	Structure Number	60J99
10.544	Milepoint	10.544
2002	Year Built	2002
CO DITCH # 84	Feature Crossed	CO DITCH # 84
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
5	Culvert Width	5
3	Culvert Height	3
104	Culvert Length	104
22.00033521	Area of Waterway Opening	22.00033521
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.1 * 381494.04 / 60 * 25 * 1.1	\$891,742
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.1 * 2112 * 47.59 / 20 * 25	\$640,752
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.1 * 6615.75 / 60 * 25	\$14,058
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	70 * 120.00026276 * 18.01 / 100 * 25 * 1.15	\$43,494
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	84 * 60.00013138 * 18.01 / 100 * 25 * 1.15	\$26,097
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	70 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$14,498
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	104 * 22.00033521 * 18.01 / 100 * 25 * 1.15	\$11,847
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert + Culvert	\$0 + \$891,742 + \$640,752 + \$14,058 + \$43,494 + \$26,097 + \$14,498 + \$11,847	\$1,642,488

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-606-070**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
6.6	Segment Length	6.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 35 TO TH 92	Termini	CSAH 35 TO TH 92
300	Present AADT	300
2017	Year of Count	2017
1.2	Projection Factor	1.2
360	Projected Traffic	360
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2003	Latest Year SA funds	2003
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED 2003	Comments	RECONSTRUCTED 2003
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.6 * 381494.04 / 60 * 25 * 1.1	\$1,154,019
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.6 * 2112 * 47.59 / 20 * 25	\$829,208
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.6 * 6615.75 / 60 * 25	\$18,193
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,154,019 + \$829,208 + \$18,193</b>	<b>\$2,001,420</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-606-081**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.5	Segment Length	4.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 92 TO N CO LINE	Termini	TH 92 TO N CO LINE
140	Present AADT	140
2017	Year of Count	2017
1.2	Projection Factor	1.2
168	Projected Traffic	168
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60509	Structure Number	60509
24.407	Milepoint	24.407
1967	Year Built	1967
LOST RIVER	Feature Crossed	LOST RIVER
	Type of Service	
	Number of Spans	
82	Bridge Length	82
32	Bridge Width	32
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**RailRoadCrossing Information**

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
696126E	USDOT Number	696126E
1.2	Located at Milepoint	1.2
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
40	Crossing Length	40
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$4.5 * 381494.04 / 60 * 25 * 1.1$	\$786,831
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$4.5 * 2112 * 47.59 / 20 * 25$	\$565,369
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$4.5 * 6615.75 / 60 * 25$	\$12,405
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$82 * 32 * 173 / 80 * 25 * 1.15$	\$163,139
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$40 * 1750 / 25 * 25$	\$70,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + RR Crossing Protection + RR Crossing Surface	$\$0 + \$786,831 + \$565,369 + \$12,405 + \$163,139 + \$2,000 + \$70,000$	\$1,599,744

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-606-090**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
ALONG N CO LINE TO CSAH 33	Termini	ALONG N CO LINE TO CSAH 33
225	Present AADT	225
2017	Year of Count	2017
1.2	Projection Factor	1.2
270	Projected Traffic	270
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2007	Comments	OVERLAYED IN 2007
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 381494.04 / 60 * 25 * 1.1	\$349,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.59 / 20 * 25	\$251,275
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 6615.75 / 60 * 25	\$5,513
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$349,703 + \$251,275 + \$5,513</b>	<b>\$606,491</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-607-010**

Original	Current
Unassigned/Unknown	Unassigned/Unknown
0.4	0.4
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
RED RIVER TO TH 220	RED RIVER TO TH 220
470	470
2017	2017
1.2	1.2
564	564
RURAL	RURAL
2 - RURAL : 150 - 1499	2 ( RURAL : 150 - 1499 )
2003	2003
0	0
No Special Message	No Special Message
	Comments
	Interchange Override
	Segment Override

**Bridge Information**

Status: Original

Original	Current
7097	7097
0	0
1957	1957
RED RIVER OF THE NORTH	RED RIVER OF THE NORTH
	Type of Service
0	Number of Spans
757	Bridge Length
26	Bridge Width
50%	Shared Structure
STATE BORDER BRIDGE @ 50%	Comments
2 ( 150-999,999 )	Bridge Group Code
	STATE BORDER BRIDGE @ 50%
	2 ( 150-999,999 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.4 * 381494.04 / 60 * 25 * 1.1	\$69,941
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2112 * 47.59 / 20 * 25	\$50,255
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 6615.75 / 60 * 25	\$1,103
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost * PercentOfCost	757 * 26 * 141 / 80 * 25 * 1.15 * 50%	\$498,662
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$69,941 + \$50,255 + \$1,103 + \$498,662	\$619,961

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-608-009**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO 0.5 MI N	Termini	CSAH 1 TO 0.5 MI N
280	Present AADT	280
2017	Year of Count	2017
1.2	Projection Factor	1.2
336	Projected Traffic	336
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SP 060-608-013 OL	Comments	2015 SP 060-608-013 OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 381494.04 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.59 / 20 * 25	\$62,819
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 6615.75 / 60 * 25	\$1,378
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$87,426 + \$62,819 + \$1,378</b>	<b>\$151,623</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-608-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.5 MI N TO 0.9 MI N CSAH 1	Termini	0.5 MI N TO 0.9 MI N CSAH 1
280	Present AADT	280
2017	Year of Count	2017
1.2	Projection Factor	1.2
336	Projected Traffic	336
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SP 060-608-013 OL	Comments	2015 SP 060-608-013 OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.4 * 381494.04 / 60 * 25 * 1.1	\$69,941
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2112 * 47.59 / 20 * 25	\$50,255
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 6615.75 / 60 * 25	\$1,103
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$69,941 + \$50,255 + \$1,103</b>	<b>\$121,299</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-608-011**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
5.4	Segment Length	5.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.9 MI N CSAH 1 TO S LIM MCINTOSH	Termini	0.9 MI N CSAH 1 TO S LIM MCINTOSH
280	Present AADT	280
2017	Year of Count	2017
1.2	Projection Factor	1.2
336	Projected Traffic	336
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SP 060-608-013 OL	Comments	2015 SP 060-608-013 OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.4 * 381494.04 / 60 * 25 * 1.1	\$944,198
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.4 * 2112 * 47.59 / 20 * 25	\$678,443
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.4 * 6615.75 / 60 * 25	\$14,885
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$944,198 + \$678,443 + \$14,885</b>	<b>\$1,637,526</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-608-020**

Original		Current
MC INTOSH	Municipality	MC INTOSH
0.28	Segment Length	0.28
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO LIM OF MCINTOSH TO BN RR	Termini	SO LIM OF MCINTOSH TO BN RR
550	Present AADT	550
2017	Year of Count	2017
1.2	Projection Factor	1.2
660	Projected Traffic	660
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SP 060-608-013 OL	Comments	2015 SP 060-608-013 OL
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081698E	USDOT Number	081698E
0.28	Located at Milepoint	0.28
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1988	Last Year Protection Upgraded	1988
32	Crossing Length	32
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.28 * 381494.04 / 60 * 25 * 1.1	\$48,958
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.28 * 2112 * 47.59 / 20 * 25	\$35,179
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.28 * 6615.75 / 60 * 25	\$772
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	32 * 1750 / 25 * 25	\$56,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$48,958 + \$35,179 + \$772 + \$350,000 + \$56,000	\$490,909



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-608-030**

**Original**

**Current**

MC INTOSH	Municipality	MC INTOSH
0.06	Segment Length	0.06
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
BN RR TO CSAH 114	Termini	BN RR TO CSAH 114
1200	Present AADT	1200
2017	Year of Count	2017
1.2	Projection Factor	1.2
1440	Projected Traffic	1440
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1988	Latest Year SA funds	1988
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.06 * 381494.04 / 60 * 25 * 1.1	\$10,491
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.06 * 2112 * 47.59 / 20 * 25	\$7,538
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.06 * 6615.75 / 60 * 25	\$165
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$10,491 + \$7,538 + \$165</b>	<b>\$18,194</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-608-040**

Original		Current
MC INTOSH	Municipality	MC INTOSH
0.68	Segment Length	0.68
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 114 TO NO. LIM. MCINTOSH	Termini	CSAH 114 TO NO. LIM. MCINTOSH
1400	Present AADT	1400
2017	Year of Count	2017
1.2	Projection Factor	1.2
1680	Projected Traffic	1680
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2007	Comments	CONSTRUCTED IN 2007
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.68 * 2473473.86 / 60 * 25 * 1.15	\$805,940
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.68 * 2904 * 47.59 / 15 * 25	\$156,628
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.68 * 80560.78 / 60 * 25	\$22,826
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$805,940 + \$156,628 + \$22,826</b>	<b>\$985,394</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-608-060**

Original	Current
Unassigned/Unknown	Unassigned/Unknown
3.1	3.1
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
N LIM MCINTOSH TO 0.2 MI N OF CSAH 35	N LIM MCINTOSH TO 0.2 MI N OF CSAH 35
910	910
2017	2017
1.2	1.2
1092	1092
RURAL	RURAL
2 - RURAL : 150 - 1499	2 ( RURAL : 150 - 1499 )
2007	2007
0	0
No Special Message	No Special Message
LET IN 2007 CONSTRUCTED IN 2008, SP 60-608-12	LET IN 2007 CONSTRUCTED IN 2008, SP 60-608-12
	Interchange Override
	Segment Override

**Culvert Information**

Status: Original

Original	Current
60K89	60K89
9.16	9.16
2008	2008
POPLAR RIVER	POPLAR RIVER
STREAM CROSSING	STREAM CROSSING
2	2
14	14
9	9
74	74
252.00012124	252.00012124
100%	100%
	Comments
1	Culvert Group Code

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.1 * 381494.04 / 60 * 25 * 1.1	\$542,039
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.1 * 2112 * 47.59 / 20 * 25	\$389,477
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.1 * 6615.75 / 60 * 25	\$8,545
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	74 * 252.00012124 * 18.01 / 100 * 25 * 1.15	\$96,557

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$542,039 + \$389,477 + \$8,545 + \$96,557</b>	<b>\$1,036,618</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-608-070

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.2 MI NO OF CSAH 35 TO NO CO LINE	Termini	0.2 MI NO OF CSAH 35 TO NO CO LINE
470	Present AADT	470
2017	Year of Count	2017
1.2	Projection Factor	1.2
564	Projected Traffic	564
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
LET IN 2007 CONSTRUCTED IN 2008, SP 60-608-012	Comments	LET IN 2007 CONSTRUCTED IN 2008, SP 60-608-012
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 381494.04 / 60 * 25 * 1.1	\$874,257
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.59 / 20 * 25	\$628,188
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 6615.75 / 60 * 25	\$13,783
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$874,257 + \$628,188 + \$13,783	\$1,516,228

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-609-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.3	Segment Length	1.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
RED RIVER TO TH 220	Termini	RED RIVER TO TH 220
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2009	Latest Year SA funds	2009
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2009 ALONG WITH BRIDGE REPLACEMENT - SP 60-609-021	Comments	CONSTRUCTED IN 2009 ALONG WITH BRIDGE REPLACEMENT - SP 60-609-021
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60561	Structure Number	60561
0	Milepoint	0
2010	Year Built	2010
RED RIVER OF THE NORTH	Feature Crossed	RED RIVER OF THE NORTH
STREAM CROSSING	Type of Service	STREAM CROSSING
5	Number of Spans	5
551	Bridge Length	551
26	Bridge Width	26
50%	Shared Structure	50%
STATE BORDER BRIDGE @ 50%	Comments	STATE BORDER BRIDGE @ 50%
2 ( 150-999,999 )	Bridge Group Code	2 ( 150-999,999 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.3 * 381494.04 / 60 * 25 * 1.1	\$227,307
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.3 * 2112 * 47.59 / 20 * 25	\$163,329
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.3 * 6615.75 / 60 * 25	\$3,584
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost * PercentOfCost	551 * 26 * 141 / 80 * 25 * 1.15 * 50%	\$362,963
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$227,307 + \$163,329 + \$3,584 + \$362,963	\$757,183

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-609-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH220 TO CSAH 16 S	Termini	TH220 TO CSAH 16 S
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED IN 2004 SAP 60-609-019	Comments	RECONSTRUCTED IN 2004 SAP 60-609-019
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60J34	Structure Number	60J34
7.14	Milepoint	7.14
2000	Year Built	2000
ANDERSON CREEK	Feature Crossed	ANDERSON CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
6	Culvert Height	6
98	Culvert Length	98
60	Area of Waterway Opening	60
100%	Shared Structure	100%
2014 - AWW MISSING, JP	Comments	2014 - AWW MISSING, JP
1	Culvert Group Code	1

**Culvert Information**

Status: Original

Original		Current
60K56	Structure Number	60K56
1.625	Milepoint	1.625
2004	Year Built	2004
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
14	Culvert Width	14
6	Culvert Height	6
70	Culvert Length	70
84.00039921	Area of Waterway Opening	84.00039921
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 381494.04 / 60 * 25 * 1.1	\$1,049,109
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 47.59 / 20 * 25	\$753,826
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 6615.75 / 60 * 25	\$16,539
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	98 * 60 * 18.01 / 100 * 25 * 1.15	\$30,446
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	70 * 84.00039921 * 18.01 / 100 * 25 * 1.15	\$30,446
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$1,049,109 + \$753,826 + \$16,539 + \$30,446 + \$30,446	\$1,880,366



**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-609-030</b>
<b>Original</b>	<b>Current</b>	
Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 16 S TO TH 75	Termini	CSAH 16 S TO TH 75
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED IN 2004 SAP 60-609-19 COMBINED WITH 040 & 041 IN 2005	Comments	RECONSTRUCTED IN 2004 SAP 60-609-19 COMBINED WITH 040 & 041 IN 2005
	Interchange Override	
	Segment Override	

<b>Bridge Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
60504	Structure Number	60504
8.69	Milepoint	8.69
1959	Year Built	1959
BURNHAM CREEK	Feature Crossed	BURNHAM CREEK
	Type of Service	
	Number of Spans	
81	Bridge Length	81
32	Bridge Width	32
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
60J35	Structure Number	60J35
7.64	Milepoint	7.64
2000	Year Built	2000
ANDERSON CREEK	Feature Crossed	ANDERSON CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
10	Culvert Height	10
144	Culvert Length	144
120	Area of Waterway Opening	120
100%	Shared Structure	100%
2014 - AWW MISSING, JP	Comments	2014 - AWW MISSING, JP
1	Culvert Group Code	1

<b>RailRoadCrossing Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY

072107A	USDOT Number	072107A
6.9	Located at Milepoint	6.9
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
48	Crossing Length	48
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

### Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	$TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear$	$0 * 61250 / 40 * 25$	\$0
Construction	$Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost$	$7 * 381494.04 / 60 * 25 * 1.1$	\$1,223,960
Preservation	$Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear$	$7 * 2112 * 47.59 / 20 * 25$	\$879,463
ROW	$Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear$	$7 * 6615.75 / 60 * 25$	\$19,296
Bridge	$BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost$	$81 * 32 * 173 / 80 * 25 * 1.15$	\$161,150
Culvert	$CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost$	$144 * 120 * 18.01 / 100 * 25 * 1.15$	\$89,474
RR Crossing Protection	$UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear$	$48 * 1750 / 25 * 25$	\$84,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert + RR Crossing Protection + RR Crossing Surface	$\$0 + \$1,223,960 + \$879,463 + \$19,296 + \$161,150 + \$89,474 + \$2,000 + \$84,000$	\$2,459,343

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-609-050**

Original		Current
CROOKSTON	Municipality	CROOKSTON
0.24	Segment Length	0.24
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 (W LIM CROOKSTON T)O 0.24 MI E	Termini	TH 75 (W LIM CROOKSTON T)O 0.24 MI E
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED 2004 SAP 60-609-020	Comments	OVERLAYED 2004 SAP 60-609-020
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.24 * 381494.04 / 60 * 25 * 1.1	\$41,964
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.24 * 2112 * 47.59 / 20 * 25	\$30,153
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.24 * 6615.75 / 60 * 25	\$662
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$41,964 + \$30,153 + \$662</b>	<b>\$72,779</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-609-060**

Original		Current
CROOKSTON	Municipality	CROOKSTON
0.26	Segment Length	0.26
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.24 MI E OF W LIM CROOKSTON TO S FRONT ST	Termini	0.24 MI E OF W LIM CROOKSTON TO S FRONT ST
960	Present AADT	960
2017	Year of Count	2017
1.2	Projection Factor	1.2
1152	Projected Traffic	1152
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED 2004 SAP 60-609-020	Comments	OVERLAYED 2004 SAP 60-609-020
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.26 * 381494.04 / 60 * 25 * 1.1	\$45,461
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.26 * 2112 * 47.59 / 20 * 25	\$32,666
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.26 * 6615.75 / 60 * 25	\$717
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$45,461 + \$32,666 + \$717</b>	<b>\$78,844</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-609-070**

Original		Current
CROOKSTON	Municipality	CROOKSTON
0.24	Segment Length	0.24
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
INGERSOLL AVE ON S FRONT ST TO S MAIN ST (3RD AVE SW)	Termini	INGERSOLL AVE ON S FRONT ST TO S MAIN ST (3RD AVE SW)
960	Present AADT	960
2017	Year of Count	2017
1.2	Projection Factor	1.2
1152	Projected Traffic	1152
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED 2004 SAP 60-609-020	Comments	OVERLAYED 2004 SAP 60-609-020
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
102155A	USDOT Number	102155A
0.19	Located at Milepoint	0.19
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
2002	Last Year Protection Upgraded	2002
56	Crossing Length	56
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.24 * 2473473.86 / 60 * 25 * 1.15	\$284,449
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.24 * 2904 * 47.59 / 15 * 25	\$55,281
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.24 * 80560.78 / 60 * 25	\$8,056
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	56 * 1750 / 25 * 25	\$98,000

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface</b>	<b>\$0 + \$284,449 + \$55,281 + \$8,056 + \$350,000 + \$98,000</b>	<b>\$795,786</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-609-080**

Original		Current
CROOKSTON	Municipality	CROOKSTON
0.28	Segment Length	0.28
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S MAIN ST (3RD AVE SW) TO 0.06 MI E OF SCHOOL ST	Termini	S MAIN ST (3RD AVE SW) TO 0.06 MI E OF SCHOOL ST
3850	Present AADT	3850
2017	Year of Count	2017
1.2	Projection Factor	1.2
4620	Projected Traffic	4620
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED 2004 SAP 60-609-020	Comments	OVERLAYED 2004 SAP 60-609-020
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.28 * 2473473.86 / 60 * 25 * 1.15	\$331,858
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.28 * 2904 * 47.59 / 15 * 25	\$64,494
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.28 * 80560.78 / 60 * 25	\$9,399
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$331,858 + \$64,494 + \$9,399</b>	<b>\$405,751</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-609-090**

Original		Current
CROOKSTON	Municipality	CROOKSTON
1.02	Segment Length	1.02
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.06 MI E OF SCHOOL ST TO TH 2	Termini	0.06 MI E OF SCHOOL ST TO TH 2
3850	Present AADT	3850
2017	Year of Count	2017
1.2	Projection Factor	1.2
4620	Projected Traffic	4620
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED 2004 SAP 60-609-020	Comments	OVERLAYED 2004 SAP 60-609-020
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
103742E	USDOT Number	103742E
0.95	Located at Milepoint	0.95
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
82	Crossing Length	82
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.02 * 1098967.83 / 60 * 25 * 1.1	\$513,767
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.02 * 2376 * 47.59 / 20 * 25	\$144,169
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.02 * 82442.62 / 60 * 25	\$35,038
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	82 * 1750 / 25 * 25	\$143,500
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$513,767 + \$144,169 + \$35,038 + \$2,000 + \$143,500	\$838,474



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-610-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO CO LINE TO CSAH 1	Termini	SO CO LINE TO CSAH 1
415	Present AADT	415
2017	Year of Count	2017
1.2	Projection Factor	1.2
498	Projected Traffic	498
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1981	Latest Year SA funds	1981
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60503	Structure Number	60503
0.1	Milepoint	0.1
1959	Year Built	1959
SAND HILL RIVER	Feature Crossed	SAND HILL RIVER
	Type of Service	
	Number of Spans	
50	Bridge Length	50
32	Bridge Width	32
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 381494.04 / 60 * 25 * 1.1	\$349,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.59 / 20 * 25	\$251,275
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 6615.75 / 60 * 25	\$5,513
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	50 * 32 * 173 / 80 * 25 * 1.15	\$99,475
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$349,703 + \$251,275 + \$5,513 + \$99,475	\$705,966

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-610-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO CSAH 41	Termini	CSAH 1 TO CSAH 41
415	Present AADT	415
2017	Year of Count	2017
1.2	Projection Factor	1.2
498	Projected Traffic	498
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1984	Latest Year SA funds	1984
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 381494.04 / 60 * 25 * 1.1	\$1,049,109
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 47.59 / 20 * 25	\$753,826
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 6615.75 / 60 * 25	\$16,539
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,049,109 + \$753,826 + \$16,539</b>	<b>\$1,819,474</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-610-030**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 41 TO 3.0 MI NO	Termini	CSAH 41 TO 3.0 MI NO
740	Present AADT	740
2017	Year of Count	2017
1.2	Projection Factor	1.2
888	Projected Traffic	888
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1984	Latest Year SA funds	1984
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 381494.04 / 60 * 25 * 1.1	\$524,554
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.59 / 20 * 25	\$376,913
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 6615.75 / 60 * 25	\$8,270
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$524,554 + \$376,913 + \$8,270</b>	<b>\$909,737</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-610-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3.0 MI N CSAH 41 TO 6.0 MI N	Termini	3.0 MI N CSAH 41 TO 6.0 MI N
740	Present AADT	740
2017	Year of Count	2017
1.2	Projection Factor	1.2
888	Projected Traffic	888
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1984	Latest Year SA funds	1984
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
90079	Structure Number	90079
	Milepoint	
1925	Year Built	1925
MAPLE LAKE OUTLET (DAM)	Feature Crossed	MAPLE LAKE OUTLET (DAM)
	Type of Service	
	Number of Spans	
48	Bridge Length	48
27	Bridge Width	27
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Bridge Information**

Status: Original

Original		Current
92436	Structure Number	92436
13.321	Milepoint	13.321
1965	Year Built	1965
MAPLE LAKE OUTLET	Feature Crossed	MAPLE LAKE OUTLET
	Type of Service	
	Number of Spans	
19	Bridge Length	19
32.4	Bridge Width	32.4
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$3 * 381494.04 / 60 * 25 * 1.1$	\$524,554
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 2112 * 47.59 / 20 * 25$	\$376,913
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 6615.75 / 60 * 25$	\$8,270
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$48 * 27 * 173 / 80 * 25 * 1.15$	\$80,575
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$19 * 32.4 * 173 / 80 * 25 * 1.15$	\$38,273
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge	$\$0 + \$524,554 + \$376,913 + \$8,270 + \$80,575 + \$38,273$	\$1,028,585

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-610-041**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.6	Segment Length	0.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
6.0 MI NO OF CSAH 41 TO SO LIM MENTOR	Termini	6.0 MI NO OF CSAH 41 TO SO LIM MENTOR
740	Present AADT	740
2017	Year of Count	2017
1.2	Projection Factor	1.2
888	Projected Traffic	888
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1984	Latest Year SA funds	1984
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.6 * 381494.04 / 60 * 25 * 1.1	\$104,911
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.6 * 2112 * 47.59 / 20 * 25	\$75,383
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.6 * 6615.75 / 60 * 25	\$1,654
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$104,911 + \$75,383 + \$1,654</b>	<b>\$181,948</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-610-050**

Original		Current
MENTOR	Municipality	MENTOR
0.7	Segment Length	0.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO LIM MENTOR TO CSAH 113	Termini	SO LIM MENTOR TO CSAH 113
740	Present AADT	740
2017	Year of Count	2017
1.2	Projection Factor	1.2
888	Projected Traffic	888
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1984	Latest Year SA funds	1984
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081673J	USDOT Number	081673J
0.7	Located at Milepoint	0.7
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
2000	Last Year Protection Upgraded	2000
32	Crossing Length	32
	Last Year Surfaced	
100%	Percentage of Cost	100%
INSTALLED SIGNALS AND GATES	Comments	INSTALLED SIGNALS AND GATES

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.7 * 381494.04 / 60 * 25 * 1.1	\$122,396
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.7 * 2112 * 47.59 / 20 * 25	\$87,946
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.7 * 6615.75 / 60 * 25	\$1,930
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	32 * 1750 / 25 * 25	\$56,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$122,396 + \$87,946 + \$1,930 + \$350,000 + \$56,000	\$618,272

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-610-060**

**Original**

**Current**

MENTOR	Municipality	MENTOR
0.23	Segment Length	0.23
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 113 TO TH 2	Termini	CSAH 113 TO TH 2
465	Present AADT	465
2017	Year of Count	2017
1.2	Projection Factor	1.2
558	Projected Traffic	558
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.23 * 381494.04 / 60 * 25 * 1.1	\$40,216
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.23 * 2112 * 47.59 / 20 * 25	\$28,897
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.23 * 6615.75 / 60 * 25	\$634
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$40,216 + \$28,897 + \$634</b>	<b>\$69,747</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-611-010**

Original		Current
CROOKSTON	Municipality	CROOKSTON
0.6	Segment Length	0.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO 0.60 MI E	Termini	TH 2 TO 0.60 MI E
7400	Present AADT	7400
2017	Year of Count	2017
1.2	Projection Factor	1.2
8880	Projected Traffic	8880
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2002	Latest Year SA funds	2002
1	Number of Signal Legs	1
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.6 * 2473473.86 / 60 * 25 * 1.15	\$711,124
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.6 * 2904 * 47.59 / 15 * 25	\$138,201
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.6 * 80560.78 / 60 * 25	\$20,140
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$38,281 + \$711,124 + \$138,201 + \$20,140	\$907,746

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-611-011

Original		Current
CROOKSTON	Municipality	CROOKSTON
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.6 MI E TO 1.0 MI E OF TH 2	Termini	0.6 MI E TO 1.0 MI E OF TH 2
5200	Present AADT	5200
2017	Year of Count	2017
1.2	Projection Factor	1.2
6240	Projected Traffic	6240
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
103202J	USDOT Number	103202J
0.1	Located at Milepoint	0.1
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1988	Last Year Protection Upgraded	1988
48	Crossing Length	48
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.4 * 2473473.86 / 60 * 25 * 1.15	\$474,082
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2904 * 47.59 / 15 * 25	\$92,134
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 80560.78 / 60 * 25	\$13,427
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	48 * 1750 / 25 * 25	\$84,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$474,082 + \$92,134 + \$13,427 + \$350,000 + \$84,000	\$1,013,643

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-611-020**

Original		Current
CROOKSTON	Municipality	CROOKSTON
0.8	Segment Length	0.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.0 MI E OF TH 2 TO E LIM CROOKSTON	Termini	1.0 MI E OF TH 2 TO E LIM CROOKSTON
3450	Present AADT	3450
2017	Year of Count	2017
1.2	Projection Factor	1.2
4140	Projected Traffic	4140
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.8 * 1098967.83 / 60 * 25 * 1.1	\$402,955
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2376 * 47.59 / 20 * 25	\$113,074
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 82442.62 / 60 * 25	\$27,481
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$402,955 + \$113,074 + \$27,481</b>	<b>\$543,510</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-611-021**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.2	Segment Length	3.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM CROOKSTON TO CSAH 13	Termini	E LIM CROOKSTON TO CSAH 13
3450	Present AADT	3450
2017	Year of Count	2017
1.2	Projection Factor	1.2
4140	Projected Traffic	4140
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.2 * 1098967.83 / 60 * 25 * 1.1	\$1,611,819
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.2 * 2376 * 47.59 / 20 * 25	\$452,295
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.2 * 82442.62 / 60 * 25	\$109,923
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,611,819 + \$452,295 + \$109,923</b>	<b>\$2,174,037</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-611-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 13 TO CSAH 46	Termini	CSAH 13 TO CSAH 46
3100	Present AADT	3100
2017	Year of Count	2017
1.2	Projection Factor	1.2
3720	Projected Traffic	3720
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60507	Structure Number	60507
5.6	Milepoint	5.6
1977	Year Built	1977
RED LAKE RIVER	Feature Crossed	RED LAKE RIVER
	Type of Service	
	Number of Spans	
789.7	Bridge Length	789.7
47.8	Bridge Width	47.8
100%	Shared Structure	100%
	Comments	
2 ( 150-999,999 )	Bridge Group Code	2 ( 150-999,999 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 1098967.83 / 60 * 25 * 1.1	\$1,007,387
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2376 * 47.59 / 20 * 25	\$282,685
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 82442.62 / 60 * 25	\$68,702
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	789.7 * 47.8 * 141 / 80 * 25 * 1.15	\$1,912,745
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,007,387 + \$282,685 + \$68,702 + \$1,912,745	\$3,271,519

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-611-040**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 46 TO 0.50 MI E AT GENTILLY	Termini	CSAH 46 TO 0.50 MI E AT GENTILLY
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 SAP 060-611-019 BIT. OVERLAY, BIT AND AGG. SHOULDERS	Comments	2013 SAP 060-611-019 BIT. OVERLAY, BIT AND AGG. SHOULDERS
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
95655	Structure Number	95655
7.49	Milepoint	7.49
1982	Year Built	1982
GENTILLY RIVER	Feature Crossed	GENTILLY RIVER
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
10	Culvert Height	10
115	Culvert Length	115
195.9998551	Area of Waterway Opening	195.9998551
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 381494.04 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.59 / 20 * 25	\$62,819
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 6615.75 / 60 * 25	\$1,378
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	115 * 195.9998551 * 18.01 / 100 * 25 * 1.15	\$116,709

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$87,426 + \$62,819 + \$1,378 + \$116,709</b>	<b>\$268,332</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-611-050**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.50 MI TO 1.00 MI E OF CSAH 46 AT GENTILLY	Termini	0.50 MI TO 1.00 MI E OF CSAH 46 AT GENTILLY
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 SAP 060-611-019 MILL AND OVERLAY	Comments	2013 SAP 060-611-019 MILL AND OVERLAY
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 2473473.86 / 60 * 25 * 1.15	\$592,603
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2904 * 47.59 / 15 * 25	\$115,168
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 80560.78 / 60 * 25	\$16,783
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$592,603 + \$115,168 + \$16,783	\$724,554



SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-611-060

Original	Current
Unassigned/Unknown	Unassigned/Unknown
5	5
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
1.00 MI E OF CSAH 46 AT GENTILLY TO N. COUNTY LINE	1.00 MI E OF CSAH 46 AT GENTILLY TO N. COUNTY LINE
800	800
2017	2017
1.2	1.2
960	960
RURAL	RURAL
2 - RURAL : 150 - 1499	2 ( RURAL : 150 - 1499 )
2017	2017
0	0
No Special Message	No Special Message
2017 SAP 060-070-010 Lighting at CSAH 11 & 53	2017 SAP 060-070-010 Lighting at CSAH 11 & 53
2013 SAP 060-611-019 BIT. OVERLAY, BIT. AND AGG. SHOULDERS	2013 SAP 060-611-019 BIT. OVERLAY, BIT. AND AGG. SHOULDERS
	Interchange Override
	Segment Override

Culvert Information

Status: Original

Original	Current
90080	90080
10.98	10.98
1953	1953
KRIPPLE CREEK	KRIPPLE CREEK
1	1
10	10
8	8
92	92
80.00053397	80.00053397
100%	100%
	Comments
1	Culvert Group Code 1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 381494.04 / 60 * 25 * 1.1	\$874,257
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.59 / 20 * 25	\$628,188
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 6615.75 / 60 * 25	\$13,783

<b>Culvert</b>	<b>CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost</b>	<b>92 * 80.00053397 * 18.01 / 100 * 25 * 1.15</b>	<b>\$38,109</b>
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$874,257 + \$628,188 + \$13,783 + \$38,109</b>	<b>\$1,554,337</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-612-010**

**Original**

**Current**

FERTILE	Municipality	FERTILE
0.6	Segment Length	0.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 32 TO E LIM FERTILE	Termini	TH 32 TO E LIM FERTILE
770	Present AADT	770
2017	Year of Count	2017
1.2	Projection Factor	1.2
924	Projected Traffic	924
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.6 * 381494.04 / 60 * 25 * 1.1	\$104,911
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.6 * 2112 * 47.59 / 20 * 25	\$75,383
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.6 * 6615.75 / 60 * 25	\$1,654
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$104,911 + \$75,383 + \$1,654</b>	<b>\$181,948</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-612-011**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
7.1	Segment Length	7.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM FERTILE TO CSAH 41	Termini	E LIM FERTILE TO CSAH 41
770	Present AADT	770
2017	Year of Count	2017
1.2	Projection Factor	1.2
924	Projected Traffic	924
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7.1 * 381494.04 / 60 * 25 * 1.1	\$1,241,445
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.1 * 2112 * 47.59 / 20 * 25	\$892,027
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.1 * 6615.75 / 60 * 25	\$19,572
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,241,445 + \$892,027 + \$19,572</b>	<b>\$2,153,044</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-612-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
7.1	Segment Length	7.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 41 TO CO RD 231	Termini	CSAH 41 TO CO RD 231
560	Present AADT	560
2017	Year of Count	2017
1.2	Projection Factor	1.2
672	Projected Traffic	672
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1980	Latest Year SA funds	1980
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7.1 * 381494.04 / 60 * 25 * 1.1	\$1,241,445
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.1 * 2112 * 47.59 / 20 * 25	\$892,027
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.1 * 6615.75 / 60 * 25	\$19,572
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,241,445 + \$892,027 + \$19,572</b>	<b>\$2,153,044</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-612-030**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 231 TO S LIMS MENTOR	Termini	CO RD 231 TO S LIMS MENTOR
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2005	Comments	REINSTATE FULL NEEDS IN 2005
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 381494.04 / 60 * 25 * 1.1	\$174,851
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 47.59 / 20 * 25	\$125,638
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 6615.75 / 60 * 25	\$2,757
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$174,851 + \$125,638 + \$2,757</b>	<b>\$303,246</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-612-040**

Original		Current
MENTOR	Municipality	MENTOR
1.03	Segment Length	1.03
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S LIMS MENTOR TO CSAH 45	Termini	S LIMS MENTOR TO CSAH 45
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESTATE FULL NEEDS IN 2005	Comments	RESTATE FULL NEEDS IN 2005
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081671V	USDOT Number	081671V
0.9	Located at Milepoint	0.9
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1998	Last Year Protection Upgraded	1998
41	Crossing Length	41
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.03 * 381494.04 / 60 * 25 * 1.1	\$180,097
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.03 * 2112 * 47.59 / 20 * 25	\$129,407
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.03 * 6615.75 / 60 * 25	\$2,839
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	41 * 1750 / 25 * 25	\$71,750
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$180,097 + \$129,407 + \$2,839 + \$350,000 + \$71,750	\$734,093

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-612-050**

**Original**

**Current**

MENTOR	Municipality	MENTOR
0.12	Segment Length	0.12
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 45 TO TH 2	Termini	CSAH 45 TO TH 2
810	Present AADT	810
2017	Year of Count	2017
1.2	Projection Factor	1.2
972	Projected Traffic	972
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2005	Comments	REINSTATE FULL NEEDS IN 2005
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.12 * 381494.04 / 60 * 25 * 1.1	\$20,982
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.12 * 2112 * 47.59 / 20 * 25	\$15,077
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.12 * 6615.75 / 60 * 25	\$331
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$20,982 + \$15,077 + \$331</b>	<b>\$36,390</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-612-060**

Original		Current
MENTOR	Municipality	MENTOR
0.51	Segment Length	0.51
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
WBL TH 2 TO N LIMS MENTOR	Termini	WBL TH 2 TO N LIMS MENTOR
365	Present AADT	365
2017	Year of Count	2017
1.2	Projection Factor	1.2
438	Projected Traffic	438
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 SAP 060-612-013 RECONST. GRADE WIDEN OVERLAY, AGG. SHOULDERS	Comments	2013 SAP 060-612-013 RECONST. GRADE WIDEN OVERLAY, AGG. SHOULDERS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.51 * 381494.04 / 60 * 25 * 1.1	\$89,174
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.51 * 2112 * 47.59 / 20 * 25	\$64,075
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.51 * 6615.75 / 60 * 25	\$1,406
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$89,174 + \$64,075 + \$1,406	\$154,655

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-612-070

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.5	Segment Length	3.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N LIM MENTOR TO N CO LINE	Termini	N LIM MENTOR TO N CO LINE
365	Present AADT	365
2017	Year of Count	2017
1.2	Projection Factor	1.2
438	Projected Traffic	438
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 RECONST PLAN SHOWS 1.5 IN FUTURE PAVING. IF/WHEN REMOVE ROAD PROJECT BELOW AND ADD BOTH FOR TOTAL RECONST COST - JP/KIM (3/2015)	Comments	2013 RECONST PLAN SHOWS 1.5 IN FUTURE PAVING. IF/WHEN REMOVE ROAD PROJECT BELOW AND ADD BOTH FOR TOTAL RECONST COST - JP/KIM (3/2015)
2013 SAP 060-612-013 RECONST. GRADE WIDEN, OVERLAY, AGG. SHOULDERS		2013 SAP 060-612-013 RECONST. GRADE WIDEN, OVERLAY, AGG. SHOULDERS
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
60K69	Structure Number	60K69
21.39	Milepoint	21.39
2006	Year Built	2006
CD # 111	Feature Crossed	CD # 111
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
5	Culvert Height	5
70	Culvert Length	70
50.00046828	Area of Waterway Opening	50.00046828
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.5 * 381494.04 / 60 * 25 * 1.1	\$611,980
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.5 * 2112 * 47.59 / 20 * 25	\$439,732
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.5 * 6615.75 / 60 * 25	\$9,648

<b>Culvert</b>	<b>CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost</b>	<b>70 * 50.00046828 * 18.01 / 100 * 25 * 1.15</b>	<b>\$18,123</b>
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$611,980 + \$439,732 + \$9,648 + \$18,123</b>	<b>\$1,079,483</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-613-005

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.3	Segment Length	2.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 11 TO 2.25 MILES NORTH	Termini	CSAH 11 TO 2.25 MILES NORTH
385	Present AADT	385
2017	Year of Count	2017
1.2	Projection Factor	1.2
462	Projected Traffic	462
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
	Latest Year SA funds	
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED USING LOCAL FUNDS UNDER LOCAL CONTRACT	Comments	RECONSTRUCTED USING LOCAL FUNDS UNDER LOCAL CONTRACT
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
60J73	Structure Number	60J73
1.12	Milepoint	1.12
2000	Year Built	2000
JUD DITCH # 60	Feature Crossed	JUD DITCH # 60
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
5	Culvert Height	5
172	Culvert Length	172
50.00046828	Area of Waterway Opening	50.00046828
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.3 * 381494.04 / 60 * 25 * 1.1	\$402,158
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.3 * 2112 * 47.59 / 20 * 25	\$288,966
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.3 * 6615.75 / 60 * 25	\$6,340
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	172 * 50.00046828 * 18.01 / 100 * 25 * 1.15	\$44,530

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$402,158 + \$288,966 + \$6,340 + \$44,530</b>	<b>\$741,994</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-613-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.4	Segment Length	6.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.25 MILES NORTH OF CSAH 11 TO CR 252	Termini	2.25 MILES NORTH OF CSAH 11 TO CR 252
385	Present AADT	385
2017	Year of Count	2017
1.2	Projection Factor	1.2
462	Projected Traffic	462
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
WIDEN AND OVERLAYED IN 2007, SAP 60-613-005	Comments	WIDEN AND OVERLAYED IN 2007, SAP 60-613-005
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.4 * 381494.04 / 60 * 25 * 1.1	\$1,119,049
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.4 * 2112 * 47.59 / 20 * 25	\$804,081
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.4 * 6615.75 / 60 * 25	\$17,642
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,119,049 + \$804,081 + \$17,642	\$1,940,772

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-613-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.1	Segment Length	1.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CR 252 TO E CO LINE	Termini	CR 252 TO E CO LINE
385	Present AADT	385
2017	Year of Count	2017
1.2	Projection Factor	1.2
462	Projected Traffic	462
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 060-613-006 OL	Comments	2015 SAP 060-613-006 OL
TOTAL RECONSTRUCTION IN 2001 SAP 060-613-004		TOTAL RECONSTRUCTION IN 2001 SAP 060-613-004
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.1 * 381494.04 / 60 * 25 * 1.1	\$192,337
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.1 * 2112 * 47.59 / 20 * 25	\$138,201
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.1 * 6615.75 / 60 * 25	\$3,032
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$192,337 + \$138,201 + \$3,032	\$333,570

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-614-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S CO LINE TO CSAH 1	Termini	S CO LINE TO CSAH 1
245	Present AADT	245
2017	Year of Count	2017
1.2	Projection Factor	1.2
294	Projected Traffic	294
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATED FULL NEEDS	Comments	REINSTATED FULL NEEDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 381494.04 / 60 * 25 * 1.1	\$349,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.59 / 20 * 25	\$251,275
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 6615.75 / 60 * 25	\$5,513
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$349,703 + \$251,275 + \$5,513</b>	<b>\$606,491</b>



SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-614-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO CO RD 232	Termini	CSAH 1 TO CO RD 232
245	Present AADT	245
2017	Year of Count	2017
1.2	Projection Factor	1.2
294	Projected Traffic	294
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
60531	Structure Number	60531
2.97	Milepoint	2.97
1996	Year Built	1996
SAND HILL RIVER	Feature Crossed	SAND HILL RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
152.6	Bridge Length	152.6
39.3	Bridge Width	39.3
100%	Shared Structure	100%
	Comments	
2 ( 150-999,999 )	Bridge Group Code	2 ( 150-999,999 )

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 381494.04 / 60 * 25 * 1.1	\$174,851
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 47.59 / 20 * 25	\$125,638
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 6615.75 / 60 * 25	\$2,757
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	152.6 * 39.3 * 141 / 80 * 25 * 1.15	\$303,888
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$174,851 + \$125,638 + \$2,757 + \$303,888	\$607,134

**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-614-030</b>
<b>Original</b>	<b>Current</b>	
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.5	Segment Length	5.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 232 TO 5.5 MI N	Termini	CO RD 232 TO 5.5 MI N
245	Present AADT	245
2017	Year of Count	2017
1.2	Projection Factor	1.2
294	Projected Traffic	294
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATED FULL NEEDS	Comments	REINSTATED FULL NEEDS
	Interchange Override	
	Segment Override	

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
60K63	Structure Number	60K63
8.45	Milepoint	8.45
2005	Year Built	2005
CO DITCH # 119	Feature Crossed	CO DITCH # 119
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
7	Culvert Height	7
64	Culvert Length	64
167.99972203	Area of Waterway Opening	167.99972203
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
91400	Structure Number	91400
4.46	Milepoint	4.46
1976	Year Built	1976
CO DITCH # 73	Feature Crossed	CO DITCH # 73
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
54	Culvert Length	54
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
91401	Structure Number	91401
6.25	Milepoint	6.25

1976	Year Built	1976
CO DITCH # 46	Feature Crossed	CO DITCH # 46
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
96	Culvert Length	96
52.0004009	Area of Waterway Opening	52.0004009
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information**

Status: Original

Original		Current
91402	Structure Number	91402
7.44	Milepoint	7.44
1976	Year Built	1976
CO DITCH # 90	Feature Crossed	CO DITCH # 90
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
54	Culvert Length	54
51.00043459	Area of Waterway Opening	51.00043459
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information**

Status: Original

Original		Current
91403	Structure Number	91403
7.95	Milepoint	7.95
1976	Year Built	1976
CO DITCH # 9	Feature Crossed	CO DITCH # 9
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
54	Culvert Length	54
131.99985848	Area of Waterway Opening	131.99985848
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.5 * 381494.04 / 60 * 25 * 1.1	\$961,683
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.5 * 2112 * 47.59 / 20 * 25	\$691,007
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.5 * 6615.75 / 60 * 25	\$15,161
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 167.99972203 * 18.01 / 100 * 25 * 1.15	\$55,672

Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 65.99992924 * 18.01 / 100 * 25 * 1.15	\$18,454
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	96 * 52.0004009 * 18.01 / 100 * 25 * 1.15	\$25,848
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 51.00043459 * 18.01 / 100 * 25 * 1.15	\$14,260
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 131.99985848 * 18.01 / 100 * 25 * 1.15	\$36,908
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert + Culvert + Culvert	\$0 + \$961,683 + \$691,007 + \$15,161 + \$55,672 + \$18,454 + \$25,848 + \$14,260 + \$36,908	\$1,818,993

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-614-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
5.5 MI N CO RD 232 TO CSAH 45	Termini	5.5 MI N CO RD 232 TO CSAH 45
390	Present AADT	390
2017	Year of Count	2017
1.2	Projection Factor	1.2
468	Projected Traffic	468
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1986	Latest Year SA funds	1986
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92441	Structure Number	92441
9.47	Milepoint	9.47
1966	Year Built	1966
CO DITCH # 93	Feature Crossed	CO DITCH # 93
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
86	Culvert Length	86
85.00036552	Area of Waterway Opening	85.00036552
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 381494.04 / 60 * 25 * 1.1	\$874,257
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.59 / 20 * 25	\$628,188
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 6615.75 / 60 * 25	\$13,783
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	86 * 85.00036552 * 18.01 / 100 * 25 * 1.15	\$37,850
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$874,257 + \$628,188 + \$13,783 + \$37,850	\$1,554,078

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-614-050**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.9	Segment Length	3.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 45 TO TH 75	Termini	CSAH 45 TO TH 75
700	Present AADT	700
2017	Year of Count	2017
1.2	Projection Factor	1.2
840	Projected Traffic	840
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
97559	Structure Number	97559
14.97	Milepoint	14.97
1993	Year Built	1993
BURNHAM CREEK (CD #79)	Feature Crossed	BURNHAM CREEK (CD #79)
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
12	Culvert Width	12
9	Culvert Height	9
90	Culvert Length	90
216.00025769	Area of Waterway Opening	216.00025769
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information**

Status: Original

Original		Current
97560	Structure Number	97560
15.46	Milepoint	15.46
1993	Year Built	1993
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
9	Culvert Height	9
80	Culvert Length	80
107.99959065	Area of Waterway Opening	107.99959065
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.9 * 381494.04 / 60 * 25 * 1.1	\$681,921
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.9 * 2112 * 47.59 / 20 * 25	\$489,987
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.9 * 6615.75 / 60 * 25	\$10,751
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	90 * 216.00025769 * 18.01 / 100 * 25 * 1.15	\$100,658
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	80 * 107.99959065 * 18.01 / 100 * 25 * 1.15	\$44,737
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$681,921 + \$489,987 + \$10,751 + \$100,658 + \$44,737	\$1,328,054

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-615-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.1	Segment Length	5.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 220 TO CSAH 16	Termini	TH 220 TO CSAH 16
140	Present AADT	140
2017	Year of Count	2017
1.2	Projection Factor	1.2
168	Projected Traffic	168
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 060-615-010 RECONST W CULVERT #60L35	Comments	2015 SAP 060-615-010 RECONST W CULVERT #60L35
COMBINED SEGMENTS 010 & 011 IN 2006		COMBINED SEGMENTS 010 & 011 IN 2006
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60L35	Structure Number	60L35
0.86	Milepoint	0.86
2015	Year Built	2015
un named coulee	Feature Crossed	un named coulee
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
62	Culvert Length	62
40	Area of Waterway Opening	40
100%	Shared Structure	100%
2015 SAP 060-615-010 PCC 10'X4' BOX AND END SECTIONS	Comments	2015 SAP 060-615-010 PCC 10'X4' BOX AND END SECTIONS
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.1 * 381494.04 / 60 * 25 * 1.1	\$891,742
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.1 * 2112 * 47.59 / 20 * 25	\$640,752
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.1 * 6615.75 / 60 * 25	\$14,058



<b>Culvert</b>	<b>CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost</b>	<b>62 * 40 * 18.01 / 100 * 25 * 1.15</b>	<b>\$12,841</b>
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$891,742 + \$640,752 + \$14,058 + \$12,841</b>	<b>\$1,559,393</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-615-012**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 16 TO W LIM FISHER	Termini	CSAH 16 TO W LIM FISHER
520	Present AADT	520
2017	Year of Count	2017
1.2	Projection Factor	1.2
624	Projected Traffic	624
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 - OVERLAYED WITH PROJECT SAP 060-615-010	Comments	2015 - OVERLAYED WITH PROJECT SAP 060-615-010
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60505	Structure Number	60505
5.2	Milepoint	5.2
1968	Year Built	1968
RED LAKE RIVER	Feature Crossed	RED LAKE RIVER
	Type of Service	
0	Number of Spans	0
1226	Bridge Length	1226
34	Bridge Width	34
100%	Shared Structure	100%
	Comments	
2 ( 150-999,999 )	Bridge Group Code	2 ( 150-999,999 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 381494.04 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.59 / 20 * 25	\$62,819
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 6615.75 / 60 * 25	\$1,378
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	1226 * 34 * 141 / 80 * 25 * 1.15	\$2,112,206
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$87,426 + \$62,819 + \$1,378 + \$2,112,206	\$2,263,829

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-615-020**

Original		Current
FISHER	Municipality	FISHER
0.1	Segment Length	0.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM FISHER TO 2ND ST	Termini	W LIM FISHER TO 2ND ST
520	Present AADT	520
2017	Year of Count	2017
1.2	Projection Factor	1.2
624	Projected Traffic	624
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 OVERLAYED WITH PROJECT SAP 060-615-010	Comments	2015 OVERLAYED WITH PROJECT SAP 060-615-010
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.1 * 2473473.86 / 60 * 25 * 1.15	\$118,521
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2904 * 47.59 / 15 * 25	\$23,034
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 80560.78 / 60 * 25	\$3,357
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$118,521 + \$23,034 + \$3,357</b>	<b>\$144,912</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-615-030**

Original		Current
FISHER	Municipality	FISHER
0.1	Segment Length	0.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2ND ST TO 3RD ST	Termini	2ND ST TO 3RD ST
520	Present AADT	520
2017	Year of Count	2017
1.2	Projection Factor	1.2
624	Projected Traffic	624
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 OVERLAYED WITH PROJECT SAP 060-615-010	Comments	2015 OVERLAYED WITH PROJECT SAP 060-615-010
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.1 * 2473473.86 / 60 * 25 * 1.15	\$118,521
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2904 * 47.59 / 15 * 25	\$23,034
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 80560.78 / 60 * 25	\$3,357
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$118,521 + \$23,034 + \$3,357</b>	<b>\$144,912</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-615-040

Original		Current
FISHER	Municipality	FISHER
0.19	Segment Length	0.19
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3RD ST TO NO LIM FISHER	Termini	3RD ST TO NO LIM FISHER
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1992	Latest Year SA funds	1992
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2005	Comments	REINSTATE FULL NEEDS IN 2005
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
103181T	USDOT Number	103181T
0	Located at Milepoint	0
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
2001	Last Year Protection Upgraded	2001
48	Crossing Length	48
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.19 * 2473473.86 / 60 * 25 * 1.15	\$225,189
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.19 * 2904 * 47.59 / 15 * 25	\$43,764
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.19 * 80560.78 / 60 * 25	\$6,378
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	48 * 1750 / 25 * 25	\$84,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$225,189 + \$43,764 + \$6,378 + \$350,000 + \$84,000	\$709,331

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-615-050**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.1	Segment Length	0.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NO LIM FISHER TO TH 2	Termini	NO LIM FISHER TO TH 2
1100	Present AADT	1100
2017	Year of Count	2017
1.2	Projection Factor	1.2
1320	Projected Traffic	1320
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1992	Latest Year SA funds	1992
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS	Comments	REINSTATE FULL NEEDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.1 * 2473473.86 / 60 * 25 * 1.15	\$118,521
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2904 * 47.59 / 15 * 25	\$23,034
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 80560.78 / 60 * 25	\$3,357
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$118,521 + \$23,034 + \$3,357</b>	<b>\$144,912</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-616-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.5	Segment Length	5.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO CSAH 9	Termini	TH 75 TO CSAH 9
100	Present AADT	100
2017	Year of Count	2017
1.2	Projection Factor	1.2
120	Projected Traffic	120
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
072078S	USDOT Number	072078S
0.1	Located at Milepoint	0.1
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
48	Crossing Length	48
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.5 * 381494.04 / 60 * 25 * 1.1	\$961,683
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.5 * 2112 * 47.59 / 20 * 25	\$691,007
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.5 * 6615.75 / 60 * 25	\$15,161
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	48 * 1750 / 25 * 25	\$84,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$961,683 + \$691,007 + \$15,161 + \$2,000 + \$84,000	\$1,753,851

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name :

POLK

Segment Nbr : 060-616-020

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 9 TO CSAH 15	Termini	CSAH 9 TO CSAH 15
255	Present AADT	255
2017	Year of Count	2017
1.2	Projection Factor	1.2
306	Projected Traffic	306
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2003	Latest Year SA funds	2003
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESTATE FULL NEEDS IN 2005	Comments	RESTATE FULL NEEDS IN 2005
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 381494.04 / 60 * 25 * 1.1	\$524,554
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.59 / 20 * 25	\$376,913
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 6615.75 / 60 * 25	\$8,270
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$524,554 + \$376,913 + \$8,270	\$909,737



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-617-010**

Original		Current
EAST GRAND FORKS	Municipality	EAST GRAND FORKS
0.8	Segment Length	0.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W JCT TO E JCT TH 2	Termini	W JCT TO E JCT TH 2
440	Present AADT	440
2017	Year of Count	2017
1.2	Projection Factor	1.2
528	Projected Traffic	528
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2007, SAP 60-617-018	Comments	CONSTRUCTED IN 2007, SAP 60-617-018
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.8 * 381494.04 / 60 * 25 * 1.1	\$139,881
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2112 * 47.59 / 20 * 25	\$100,510
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 6615.75 / 60 * 25	\$2,205
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$139,881 + \$100,510 + \$2,205</b>	<b>\$242,596</b>

**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-617-011</b>
<b>Original</b>	<b>Current</b>	
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E JCT TH 2 TO 3.0 MI E	Termini	E JCT TH 2 TO 3.0 MI E
800	Present AADT	800
2017	Year of Count	2017
1.2	Projection Factor	1.2
960	Projected Traffic	960
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SAP 060-617-020 OL	Comments	2014 SAP 060-617-020 OL
RECONSTRUCTED IN 2003		RECONSTRUCTED IN 2003
	Interchange Override	
	Segment Override	

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
60J14	Structure Number	60J14
3.39	Milepoint	3.39
2002	Year Built	2002
Grand Marais Creek	Feature Crossed	Grand Marais Creek
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Barrels	3
	Culvert Width	
	Culvert Height	
72	Culvert Length	72
336.00052045	Area of Waterway Opening	336.00052045
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
60K22	Structure Number	60K22
	Milepoint	
2003	Year Built	2003
CO DITCH # 32	Feature Crossed	CO DITCH # 32
OTHER	Type of Service	OTHER
1	Number of Barrels	1
14	Culvert Width	14
5	Culvert Height	5
40	Culvert Length	40
69.99979448	Area of Waterway Opening	69.99979448
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 381494.04 / 60 * 25 * 1.1	\$524,554
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.59 / 20 * 25	\$376,913
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 6615.75 / 60 * 25	\$8,270
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	72 * 336.00052045 * 18.01 / 100 * 25 * 1.15	\$125,263
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	40 * 69.99979448 * 18.01 / 100 * 25 * 1.15	\$14,498
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$524,554 + \$376,913 + \$8,270 + \$125,263 + \$14,498	\$1,049,498

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-617-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3.0 MI E OF E JCT TH 2 TO CSAH	Termini	3.0 MI E OF E JCT TH 2 TO CSAH
20		20
800	Present AADT	800
2017	Year of Count	2017
1.2	Projection Factor	1.2
960	Projected Traffic	960
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SAP 060-617-020 OL	Comments	2014 SAP 060-617-020 OL
CRACK AND OVERLAYED IN 2006		CRACK AND OVERLAYED IN 2006
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 381494.04 / 60 * 25 * 1.1	\$1,049,109
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 47.59 / 20 * 25	\$753,826
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 6615.75 / 60 * 25	\$16,539
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,049,109 + \$753,826 + \$16,539	\$1,819,474

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-617-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.5	Segment Length	7.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 20 TO TH 75	Termini	CSAH 20 TO TH 75
490	Present AADT	490
2017	Year of Count	2017
1.2	Projection Factor	1.2
588	Projected Traffic	588
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 060-617-019 OL	Comments	2012 SAP 060-617-019 OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7.5 * 381494.04 / 60 * 25 * 1.1	\$1,311,386
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.5 * 2112 * 47.59 / 20 * 25	\$942,282
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.5 * 6615.75 / 60 * 25	\$20,674
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,311,386 + \$942,282 + \$20,674</b>	<b>\$2,274,342</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-617-040**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.1	Segment Length	6.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO CSAH 13	Termini	TH 75 TO CSAH 13
325	Present AADT	325
2017	Year of Count	2017
1.2	Projection Factor	1.2
390	Projected Traffic	390
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 060-617-021 OL	Comments	2015 SAP 060-617-021 OL
SURFACED IN 2003		SURFACED IN 2003
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60J26	Structure Number	60J26
21.88	Milepoint	21.88
1999	Year Built	1999
JUDICIAL DITCH 60	Feature Crossed	JUDICIAL DITCH 60
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
5	Culvert Height	5
110	Culvert Length	110
50.00046828	Area of Waterway Opening	50.00046828
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.1 * 381494.04 / 60 * 25 * 1.1	\$1,066,594
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.1 * 2112 * 47.59 / 20 * 25	\$766,389
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.1 * 6615.75 / 60 * 25	\$16,815
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	110 * 50.00046828 * 18.01 / 100 * 25 * 1.15	\$28,479

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$1,066,594 + \$766,389 + \$16,815 + \$28,479</b>	<b>\$1,878,277</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-618-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
8	Segment Length	8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO CSAH 17	Termini	TH 2 TO CSAH 17
165	Present AADT	165
2017	Year of Count	2017
1.2	Projection Factor	1.2
198	Projected Traffic	198
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-618-003 OL	Comments	2017 SAP 060-618-003 OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8 * 381494.04 / 60 * 25 * 1.1	\$1,398,811
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8 * 2112 * 47.59 / 20 * 25	\$1,005,101
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8 * 6615.75 / 60 * 25	\$22,053
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,398,811 + \$1,005,101 + \$22,053</b>	<b>\$2,425,965</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-619-009**

**Original**

**Current**

EAST GRAND FORKS	Municipality	EAST GRAND FORKS
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 220 TO 0.50 MI E	Termini	TH 220 TO 0.50 MI E
1550	Present AADT	1550
2017	Year of Count	2017
1.2	Projection Factor	1.2
1860	Projected Traffic	1860
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 060-619-018 Overlay	Comments	2018 SAP 060-619-018 Overlay
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 1098967.83 / 60 * 25 * 1.1	\$251,847
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2376 * 47.59 / 20 * 25	\$70,671
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 82442.62 / 60 * 25	\$17,176
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$251,847 + \$70,671 + \$17,176</b>	<b>\$339,694</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-619-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.6	Segment Length	4.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.5 MI E TO 5.1 MI E OF TH 220	Termini	0.5 MI E TO 5.1 MI E OF TH 220
1750	Present AADT	1750
2017	Year of Count	2017
1.2	Projection Factor	1.2
2100	Projected Traffic	2100
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 060-619-018 Overlay	Comments	2018 SAP 060-619-018 Overlay
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
90089	Structure Number	90089
3.005	Milepoint	3.005
1955	Year Built	1955
GRAND MARAIS RIVER	Feature Crossed	GRAND MARAIS RIVER
	Type of Service	
3	Number of Barrels	3
10	Culvert Width	10
10	Culvert Height	10
75	Culvert Length	75
299.99958051	Area of Waterway Opening	299.99958051
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.6 * 1098967.83 / 60 * 25 * 1.1	\$2,316,991
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.6 * 2376 * 47.59 / 20 * 25	\$650,175
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.6 * 82442.62 / 60 * 25	\$158,015
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	75 * 299.99958051 * 18.01 / 100 * 25 * 1.15	\$116,502
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,316,991 + \$650,175 + \$158,015 + \$116,502	\$3,241,683

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-619-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8	Segment Length	8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
5.1 MI E OF TH 220 TO NO JCT CSAH 20	Termini	5.1 MI E OF TH 220 TO NO JCT CSAH 20
1150	Present AADT	1150
2017	Year of Count	2017
1.2	Projection Factor	1.2
1380	Projected Traffic	1380
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 SAP 060-619-015 OL BIT OVERLAY AGG. SHOULDERS	Comments	2013 SAP 060-619-015 OL BIT OVERLAY AGG. SHOULDERS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8 * 381494.04 / 60 * 25 * 1.1	\$1,398,811
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8 * 2112 * 47.59 / 20 * 25	\$1,005,101
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8 * 6615.75 / 60 * 25	\$22,053
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,398,811 + \$1,005,101 + \$22,053	\$2,425,965

**SANEEDS - CSAH - Segment Report**

Roadway Segment Information		Status : Original
County Name :		POLK
		Segment Nbr : 060-619-040
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.6	Segment Length	6.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N JCT CSAH 20 TO TH 75	Termini	N JCT CSAH 20 TO TH 75
150	Present AADT	150
2017	Year of Count	2017
1.2	Projection Factor	1.2
180	Projected Traffic	180
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-619-016 Reconst	Comments	2017 SAP 060-619-016 Reconst
2017 SAP 060-619-017 New Culvert		2017 SAP 060-619-017 New Culvert
60L88		60L88
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
95514	Structure Number	95514
15.425	Milepoint	15.425
1992	Year Built	1992
CO DITCH # 2	Feature Crossed	CO DITCH # 2
	Type of Service	
3	Number of Barrels	3
10	Culvert Width	10
5	Culvert Height	5
50	Culvert Length	50
150	Area of Waterway Opening	150
100%	Shared Structure	100%
2017 Updated for AWW and asked for Bridge Log correction, JP	Comments	2017 Updated for AWW and asked for Bridge Log correction, JP
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
60L88	Structure Number	60L88
19.3	Milepoint	19.3
2017	Year Built	2017
	Feature Crossed	
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
6	Culvert Width	6
10	Culvert Height	10
56	Culvert Length	56
60	Area of Waterway Opening	60
100%	Shared Structure	100%
2017 SAP 060-619-017 New Culvert	Comments	2017 SAP 060-619-017 New Culvert
60L88 replaces 6x4 LT10		60L88 replaces 6x4 LT10
Constructed with CSAH Regular Funds		Constructed with CSAH Regular Funds
1	Culvert Group Code	1

**Segment Cost  
Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.6 * 381494.04 / 60 * 25 * 1.1	\$1,154,019
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.6 * 2112 * 47.59 / 20 * 25	\$829,208
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.6 * 6615.75 / 60 * 25	\$18,193
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	50 * 150 * 18.01 / 100 * 25 * 1.15	\$38,834
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	56 * 60 * 18.01 / 100 * 25 * 1.15	\$17,398
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert + Culvert</b>	<b>\$0 + \$1,154,019 + \$829,208 + \$18,193 + \$38,834 + \$17,398</b>	<b>\$2,057,652</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-619-050

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8.3	Segment Length	8.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO EAST COUNTY LINE	Termini	TH 75 TO EAST COUNTY LINE
110	Present AADT	110
2017	Year of Count	2017
1.2	Projection Factor	1.2
132	Projected Traffic	132
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1998	Latest Year SA funds	1998
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081502H	USDOT Number	081502H
0	Located at Milepoint	0
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
40	Crossing Length	40
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8.3 * 381494.04 / 60 * 25 * 1.1	\$1,451,267
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8.3 * 2112 * 47.59 / 20 * 25	\$1,042,792
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8.3 * 6615.75 / 60 * 25	\$22,879
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	40 * 1750 / 25 * 25	\$70,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$1,451,267 + \$1,042,792 + \$22,879 + \$2,000 + \$70,000	\$2,588,938

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-620-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 17 TO CSAH 19	Termini	CSAH 17 TO CSAH 19
135	Present AADT	135
2017	Year of Count	2017
1.2	Projection Factor	1.2
162	Projected Traffic	162
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1988	Latest Year SA funds	1988
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATED FULL NEEDS	Comments	REINSTATED FULL NEEDS
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
91398	Structure Number	91398
1.02	Milepoint	1.02
1976	Year Built	1976
CO DITCH # 126	Feature Crossed	CO DITCH # 126
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
48	Culvert Length	48
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 381494.04 / 60 * 25 * 1.1	\$349,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.59 / 20 * 25	\$251,275
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 6615.75 / 60 * 25	\$5,513
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	48 * 65.99992924 * 18.01 / 100 * 25 * 1.15	\$16,403
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$349,703 + \$251,275 + \$5,513 + \$16,403	\$622,894

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-620-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 19 TO CSAH 21	Termini	CSAH 19 TO CSAH 21
950	Present AADT	950
2017	Year of Count	2017
1.2	Projection Factor	1.2
1140	Projected Traffic	1140
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1996	Latest Year SA funds	1996
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 381494.04 / 60 * 25 * 1.1	\$524,554
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.59 / 20 * 25	\$376,913
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 6615.75 / 60 * 25	\$8,270
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$524,554 + \$376,913 + \$8,270</b>	<b>\$909,737</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-620-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 21 TO CSAH 23	Termini	CSAH 21 TO CSAH 23
640	Present AADT	640
2017	Year of Count	2017
1.2	Projection Factor	1.2
768	Projected Traffic	768
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 060-620-017 M&OL	Comments	2016 SAP 060-620-017 M&OL
REINSTATED FULL NEEDS		REINSTATED FULL NEEDS
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60517	Structure Number	60517
6.3	Milepoint	6.3
1971	Year Built	1971
CO DITCH # 66	Feature Crossed	CO DITCH # 66
	Type of Service	
	Number of Spans	
62.1	Bridge Length	62.1
38	Bridge Width	38
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 381494.04 / 60 * 25 * 1.1	\$699,406
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 47.59 / 20 * 25	\$502,550
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 6615.75 / 60 * 25	\$11,026
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	62.1 * 38 * 173 / 80 * 25 * 1.15	\$146,713
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$699,406 + \$502,550 + \$11,026 + \$146,713	\$1,359,695

**SANEEDS - CSAH - Segment Report**

Roadway Segment Information		Status : Original
County Name :	POLK	Segment Nbr : 060-620-040
Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.5	Segment Length	6.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 23 TO N CO LINE	Termini	CSAH 23 TO N CO LINE
640	Present AADT	640
2017	Year of Count	2017
1.2	Projection Factor	1.2
768	Projected Traffic	768
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 060-620-017 M&OL	Comments	2016 SAP 060-620-017 M&OL
WIDENING NEEDS WERE INSTATED IN 1999 FOR \$37,793. REINSTATED FULL NEEDS FOR 75,586.		WIDENING NEEDS WERE INSTATED IN 1999 FOR \$37,793. REINSTATED FULL NEEDS FOR 75,586.
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original		Current
60J38	Structure Number	60J38
9.973	Milepoint	9.973
1999	Year Built	1999
CO DITCH # 33	Feature Crossed	CO DITCH # 33
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
72	Culvert Length	72
39.99972879	Area of Waterway Opening	39.99972879
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original		Current
90084	Structure Number	90084
9.1	Milepoint	9.1
1969	Year Built	1969
CO DITCH # 2	Feature Crossed	CO DITCH # 2
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
54	Culvert Length	54
131.99985848	Area of Waterway Opening	131.99985848
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
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Original		Current
91399	Structure Number	91399
10.36	Milepoint	10.36
1976	Year Built	1976
JUD DITCH # 75	Feature Crossed	JUD DITCH # 75
	Type of Service	
1	Number of Barrels	1
	Culvert Width	
	Culvert Height	
104	Culvert Length	104
90.00019707	Area of Waterway Opening	90.00019707
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

### Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.5 * 381494.04 / 60 * 25 * 1.1	\$1,136,534
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.5 * 2112 * 47.59 / 20 * 25	\$816,644
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.5 * 6615.75 / 60 * 25	\$17,918
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	72 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$14,912
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 131.99985848 * 18.01 / 100 * 25 * 1.15	\$36,908
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	104 * 90.00019707 * 18.01 / 100 * 25 * 1.15	\$48,465
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert	\$0 + \$1,136,534 + \$816,644 + \$17,918 + \$14,912 + \$36,908 + \$48,465	\$2,071,381

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-621-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.7	Segment Length	0.7
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 64 TO 0.70 MILES EAST	Termini	CSAH 64 TO 0.70 MILES EAST
155	Present AADT	155
2017	Year of Count	2017
1.2	Projection Factor	1.2
186	Projected Traffic	186
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1988	Latest Year SA funds	1988
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.7 * 381494.04 / 60 * 25 * 1.1	\$122,396
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.7 * 2112 * 47.59 / 20 * 25	\$87,946
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.7 * 6615.75 / 60 * 25	\$1,930
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$122,396 + \$87,946 + \$1,930</b>	<b>\$212,272</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-621-011**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.3	Segment Length	0.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.70 MILES EAST OF CSAH 64 TO TH 220	Termini	0.70 MILES EAST OF CSAH 64 TO TH 220
155	Present AADT	155
2017	Year of Count	2017
1.2	Projection Factor	1.2
186	Projected Traffic	186
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1988	Latest Year SA funds	1988
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.3 * 381494.04 / 60 * 25 * 1.1	\$52,455
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 47.59 / 20 * 25	\$37,691
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 6615.75 / 60 * 25	\$827
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$52,455 + \$37,691 + \$827</b>	<b>\$90,973</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-621-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
11	Segment Length	11
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 220 TO CSAH 20 SOUTH	Termini	TH 220 TO CSAH 20 SOUTH
1850	Present AADT	1850
2017	Year of Count	2017
1.2	Projection Factor	1.2
2220	Projected Traffic	2220
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
1996	Latest Year SA funds	1996
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
97667	Structure Number	97667
11.45	Milepoint	11.45
1995	Year Built	1995
CO DITCH # 66	Feature Crossed	CO DITCH # 66
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
86	Culvert Length	86
191.99998986	Area of Waterway Opening	191.99998986
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	11 * 1098967.83 / 60 * 25 * 1.1	\$5,540,629
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	11 * 2376 * 47.59 / 20 * 25	\$1,554,765
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	11 * 82442.62 / 60 * 25	\$377,862
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	86 * 191.99998986 * 18.01 / 100 * 25 * 1.15	\$85,497
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$5,540,629 + \$1,554,765 + \$377,862 + \$85,497	\$7,558,753

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-621-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.4	Segment Length	5.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 20 SOUTH TO TH 75	Termini	CSAH 20 SOUTH TO TH 75
1850	Present AADT	1850
2017	Year of Count	2017
1.2	Projection Factor	1.2
2220	Projected Traffic	2220
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
1992	Latest Year SA funds	1992
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
97525	Structure Number	97525
14.46	Milepoint	14.46
1992	Year Built	1992
CO DITCH # 2	Feature Crossed	CO DITCH # 2
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
7	Culvert Height	7
80	Culvert Length	80
102.9997591	Area of Waterway Opening	102.9997591
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.4 * 1098967.83 / 60 * 25 * 1.1	\$2,719,945
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.4 * 2376 * 47.59 / 20 * 25	\$763,248
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.4 * 82442.62 / 60 * 25	\$185,496
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	80 * 102.9997591 * 18.01 / 100 * 25 * 1.15	\$42,666
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,719,945 + \$763,248 + \$185,496 + \$42,666	\$3,711,355

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-621-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8.1	Segment Length	8.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO AND ALONG POLK/PENNINGTON CO. LINE	Termini	TH 75 TO AND ALONG POLK/PENNINGTON CO. LINE
1800	Present AADT	1800
2017	Year of Count	2017
1.2	Projection Factor	1.2
2160	Projected Traffic	2160
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
COMBINED SEGS 040 & 050 IN 2005	Comments	COMBINED SEGS 040 & 050 IN 2005
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60J21	Structure Number	60J21
22.19	Milepoint	22.19
1999	Year Built	1999
COULEE	Feature Crossed	COULEE
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
60	Culvert Length	60
39.99972879	Area of Waterway Opening	39.99972879
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081507S	USDOT Number	081507S
0	Located at Milepoint	0
10	Mainline Tracks	10
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
48	Crossing Length	48
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result



Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8.1 * 1098967.83 / 60 * 25 * 1.1	\$4,079,918
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8.1 * 2376 * 47.59 / 20 * 25	\$1,144,873
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8.1 * 82442.62 / 60 * 25	\$278,244
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$12,427
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	48 * 1750 / 25 * 25	\$84,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + RR Crossing Protection + RR Crossing Surface	\$0 + \$4,079,918 + \$1,144,873 + \$278,244 + \$12,427 + \$2,000 + \$84,000	\$5,601,462

**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-622-010</b>
<b>Original</b>	<b>Current</b>	
Unassigned/Unknown	Municipality	Unassigned/Unknown
10.6	Segment Length	10.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 220 TO N CO LINE	Termini	TH 220 TO N CO LINE
280	Present AADT	280
2017	Year of Count	2017
1.2	Projection Factor	1.2
336	Projected Traffic	336
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1994	Latest Year SA funds	1994
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS	Comments	REINSTATE FULL NEEDS
	Interchange Override	
	Segment Override	

<b>Bridge Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
60520	Structure Number	60520
3.93	Milepoint	3.93
1973	Year Built	1973
JUD DITCH # 75	Feature Crossed	JUD DITCH # 75
	Type of Service	
	Number of Spans	
68	Bridge Length	68
36	Bridge Width	36
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

<b>Bridge Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
60542	Structure Number	60542
8.86	Milepoint	8.86
2000	Year Built	2000
JUD DITCH # 1	Feature Crossed	JUD DITCH # 1
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
123	Bridge Length	123
44	Bridge Width	44
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
92749	Structure Number	92749
2.93	Milepoint	2.93
1969	Year Built	1969
CO DITCH # 175	Feature Crossed	CO DITCH # 175
	Type of Service	
1	Number of Barrels	1

14	Culvert Width	14
8	Culvert Height	8
64	Culvert Length	64
81.00050028	Area of Waterway Opening	81.00050028
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

### Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	10.6 * 381494.04 / 60 * 25 * 1.1	\$1,853,425
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	10.6 * 2112 * 47.59 / 20 * 25	\$1,331,759
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	10.6 * 6615.75 / 60 * 25	\$29,220
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	68 * 36 * 173 / 80 * 25 * 1.15	\$152,197
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	123 * 44 * 173 / 80 * 25 * 1.15	\$336,474
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 81.00050028 * 18.01 / 100 * 25 * 1.15	\$26,842
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge + Culvert	\$0 + \$1,853,425 + \$1,331,759 + \$29,220 + \$152,197 + \$336,474 + \$26,842	\$3,729,917

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Revised**

**County Name :**

**POLK**

**Segment Nbr : 060-623-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7.15
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 220 TO 2.0 MI E OF CSAH 66	Termini	TH 220 TO 2.0 MI E OF CSAH 66
235	Present AADT	235
2017	Year of Count	2017
1.2	Projection Factor	1.2
282	Projected Traffic	282
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1994	Latest Year SA funds	2020
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7.15 * 381494.04 / 60 * 25 * 1.1	\$1,250,188
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.15 * 2112 * 47.59 / 20 * 25	\$898,309
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.15 * 6615.75 / 60 * 25	\$19,709
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,250,188 + \$898,309 + \$19,709</b>	<b>\$2,168,206</b>

**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-623-020</b>
<b>Original</b>	<b>Current</b>	
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.7	Segment Length	6.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.0 MI E CSAH 66 TO TH 75	Termini	2.0 MI E CSAH 66 TO TH 75
235	Present AADT	235
2017	Year of Count	2017
1.2	Projection Factor	1.2
282	Projected Traffic	282
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 060-623-020 OVERLAY	Comments	2018 SAP 060-623-020 OVERLAY
CRACK AND OVERLAYED IN 2006		CRACK AND OVERLAYED IN 2006
	Interchange Override	
	Segment Override	

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
92447	Structure Number	92447
12.6	Milepoint	12.6
1966	Year Built	1966
CO DITCH # 43	Feature Crossed	CO DITCH # 43
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
7	Culvert Height	7
72	Culvert Length	72
63.99999662	Area of Waterway Opening	63.99999662
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
95401	Structure Number	95401
9.54	Milepoint	9.54
1981	Year Built	1981
JUD DITCH # 75,BR 1	Feature Crossed	JUD DITCH # 75,BR 1
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
72	Culvert Length	72
131.99985848	Area of Waterway Opening	131.99985848
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.7 * 381494.04 / 60 * 25 * 1.1	\$1,171,505
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.7 * 2112 * 47.59 / 20 * 25	\$841,772
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.7 * 6615.75 / 60 * 25	\$18,469
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	72 * 63.99999662 * 18.01 / 100 * 25 * 1.15	\$23,860
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	72 * 131.99985848 * 18.01 / 100 * 25 * 1.15	\$49,210
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$1,171,505 + \$841,772 + \$18,469 + \$23,860 + \$49,210	\$2,104,816

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-623-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.3	Segment Length	4.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO 4.3 MI NE	Termini	TH 75 TO 4.3 MI NE
440	Present AADT	440
2017	Year of Count	2017
1.2	Projection Factor	1.2
528	Projected Traffic	528
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2008, SAP 60-623-16	Comments	OVERLAYED IN 2008, SAP 60-623-16
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081513V	USDOT Number	081513V
0	Located at Milepoint	0
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
48	Crossing Length	48
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.3 * 381494.04 / 60 * 25 * 1.1	\$751,861
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.3 * 2112 * 47.59 / 20 * 25	\$540,242
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.3 * 6615.75 / 60 * 25	\$11,853
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	48 * 1750 / 25 * 25	\$84,000

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface</b>	<b>\$0 + \$751,861 + \$540,242 + \$11,853 + \$2,000 + \$84,000</b>	<b>\$1,389,956</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-623-040**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
8	Segment Length	8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
4.3 MI NE TH 75 TO E CO LINE	Termini	4.3 MI NE TH 75 TO E CO LINE
440	Present AADT	440
2017	Year of Count	2017
1.2	Projection Factor	1.2
528	Projected Traffic	528
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 060-623-017 OL	Comments	2012 SAP 060-623-017 OL
REINSTATED FULL NEEDS		REINSTATED FULL NEEDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8 * 381494.04 / 60 * 25 * 1.1	\$1,398,811
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8 * 2112 * 47.59 / 20 * 25	\$1,005,101
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8 * 6615.75 / 60 * 25	\$22,053
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,398,811 + \$1,005,101 + \$22,053</b>	<b>\$2,425,965</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-624-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO CSAH 1	Termini	TH 2 TO CSAH 1
80	Present AADT	80
2017	Year of Count	2017
1.2	Projection Factor	1.2
96	Projected Traffic	96
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 381494.04 / 60 * 25 * 1.1	\$524,554
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.59 / 20 * 25	\$376,913
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 6615.75 / 60 * 25	\$8,270
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$524,554 + \$376,913 + \$8,270</b>	<b>\$909,737</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-624-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH1 TO CSAH 27	Termini	CSAH1 TO CSAH 27
70	Present AADT	70
2017	Year of Count	2017
1.2	Projection Factor	1.2
84	Projected Traffic	84
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 381494.04 / 60 * 25 * 1.1	\$349,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.59 / 20 * 25	\$251,275
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 6615.75 / 60 * 25	\$5,513
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$349,703 + \$251,275 + \$5,513</b>	<b>\$606,491</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-625-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.6	Segment Length	1.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO CO LINE TO E LIM LENGBY	Termini	SO CO LINE TO E LIM LENGBY
200	Present AADT	200
2017	Year of Count	2017
1.2	Projection Factor	1.2
240	Projected Traffic	240
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS	Comments	REINSTATE FULL NEEDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.6 * 381494.04 / 60 * 25 * 1.1	\$279,762
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.6 * 2112 * 47.59 / 20 * 25	\$201,020
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.6 * 6615.75 / 60 * 25	\$4,411
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$279,762 + \$201,020 + \$4,411</b>	<b>\$485,193</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-625-020**

**Original**

**Current**

LENGBY	Municipality	LENGBY
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM LENGBY TO RINGSTAD	Termini	E LIM LENGBY TO RINGSTAD
200	Present AADT	200
2017	Year of Count	2017
1.2	Projection Factor	1.2
240	Projected Traffic	240
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1981	Latest Year SA funds	1981
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS	Comments	REINSTATE FULL NEEDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 2473473.86 / 60 * 25 * 1.15	\$237,041
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2904 * 47.59 / 15 * 25	\$46,067
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 80560.78 / 60 * 25	\$6,713
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$237,041 + \$46,067 + \$6,713</b>	<b>\$289,821</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-625-030**

**Original**

**Current**

LENGBY	Municipality	LENGBY
0.15	Segment Length	0.15
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
RINGSTAD TO TILL & 2ND ST	Termini	RINGSTAD TO TILL & 2ND ST
345	Present AADT	345
2017	Year of Count	2017
1.2	Projection Factor	1.2
414	Projected Traffic	414
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1981	Latest Year SA funds	1981
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS	Comments	REINSTATE FULL NEEDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.15 * 2473473.86 / 60 * 25 * 1.15	\$177,781
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.15 * 2904 * 47.59 / 15 * 25	\$34,550
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.15 * 80560.78 / 60 * 25	\$5,035
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$177,781 + \$34,550 + \$5,035</b>	<b>\$217,366</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-627-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 6 TO 5.0 MI E	Termini	CSAH 6 TO 5.0 MI E
310	Present AADT	310
2017	Year of Count	2017
1.2	Projection Factor	1.2
372	Projected Traffic	372
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
95287	Structure Number	95287
2.48	Milepoint	2.48
1980	Year Built	1980
POPLAR RIVER	Feature Crossed	POPLAR RIVER
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
6	Culvert Height	6
96	Culvert Length	96
89.00023076	Area of Waterway Opening	89.00023076
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 381494.04 / 60 * 25 * 1.1	\$874,257
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.59 / 20 * 25	\$628,188
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 6615.75 / 60 * 25	\$13,783
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	96 * 89.00023076 * 18.01 / 100 * 25 * 1.15	\$44,240
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$874,257 + \$628,188 + \$13,783 + \$44,240	\$1,560,468

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-627-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
5.0 MI E OF CSAH 6 TO CSAH 24	Termini	5.0 MI E OF CSAH 6 TO CSAH 24
310	Present AADT	310
2017	Year of Count	2017
1.2	Projection Factor	1.2
372	Projected Traffic	372
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2005	Comments	REINSTATE FULL NEEDS IN 2005
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 381494.04 / 60 * 25 * 1.1	\$349,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.59 / 20 * 25	\$251,275
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 6615.75 / 60 * 25	\$5,513
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$349,703 + \$251,275 + \$5,513</b>	<b>\$606,491</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-627-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.5	Segment Length	2.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 24 TO POLK/ CLEARWATER CO. LINE	Termini	CSAH 24 TO POLK/ CLEARWATER CO. LINE
310	Present AADT	310
2017	Year of Count	2017
1.2	Projection Factor	1.2
372	Projected Traffic	372
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2005	Comments	REINSTATE FULL NEEDS IN 2005
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.5 * 381494.04 / 60 * 25 * 1.1	\$437,129
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 2112 * 47.59 / 20 * 25	\$314,094
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 6615.75 / 60 * 25	\$6,891
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$437,129 + \$314,094 + \$6,891</b>	<b>\$758,114</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-628-010**

Original		Current
TRAIL	Municipality	TRAIL
0.86	Segment Length	0.86
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 92 TO N LIM TRAIL	Termini	TH 92 TO N LIM TRAIL
55	Present AADT	55
2017	Year of Count	2017
1.2	Projection Factor	1.2
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
696121V	USDOT Number	696121V
0.05	Located at Milepoint	0.05
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
32	Crossing Length	32
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.86 * 190747.02 / 60 * 25 * 1.1	\$75,186
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.86 * 546 * 10.75 / 2 * 25	\$63,097
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.86 * 0 / 60 * 25	\$0
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	32 * 1750 / 25 * 25	\$56,000
Total Segment Cost	Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$75,186 + \$63,097 + \$0 + \$2,000 + \$56,000	\$196,283

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-628-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N LIM TRAIL TO 5.0 MI N	Termini	N LIM TRAIL TO 5.0 MI N
55	Present AADT	55
2017	Year of Count	2017
1.2	Projection Factor	1.2
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60508	Structure Number	60508
4.44	Milepoint	4.44
1967	Year Built	1967
LOST RIVER	Feature Crossed	LOST RIVER
	Type of Service	
	Number of Spans	
94.7	Bridge Length	94.7
32	Bridge Width	32
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Culvert Information**

Status: Original

Original		Current
60K76	Structure Number	60K76
2.29	Milepoint	2.29
2006	Year Built	2006
SD # 61 LAT 1	Feature Crossed	SD # 61 LAT 1
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
42	Culvert Length	42
39.99972879	Area of Waterway Opening	39.99972879
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
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Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$5 * 190747.02 / 60 * 25 * 1.1$	\$437,129
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$5 * 546 * 10.75 / 2 * 25$	\$366,844
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$5 * 0 / 60 * 25$	\$0
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$94.7 * 32 * 173 / 80 * 25 * 1.15$	\$188,406
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$42 * 39.99972879 * 18.01 / 100 * 25 * 1.15$	\$8,699
Total Segment Cost	Construction + Preservation + ROW + Bridge + Culvert	$\$437,129 + \$366,844 + \$0 + \$188,406 + \$8,699$	\$1,001,078

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-628-030**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
5.0 MI N OF N LIMS TRAIL TO CSAH 2	Termini	5.0 MI N OF N LIMS TRAIL TO CSAH 2
30	Present AADT	30
2017	Year of Count	2017
1.2	Projection Factor	1.2
36	Projected Traffic	36
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 190747.02 / 60 * 25 * 1.1	\$349,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 546 * 10.75 / 2 * 25	\$293,475
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$349,703 + \$293,475 + \$0</b>	<b>\$643,178</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-629-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.9	Segment Length	4.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO E CO LINE	Termini	CSAH 3 TO E CO LINE
80	Present AADT	80
2017	Year of Count	2017
1.2	Projection Factor	1.2
96	Projected Traffic	96
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
60J11	Structure Number	60J11
0.77	Milepoint	0.77
1997	Year Built	1997
CO DITCH # 68	Feature Crossed	CO DITCH # 68
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
5	Culvert Height	5
116	Culvert Length	116
50.00046828	Area of Waterway Opening	50.00046828
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.9 * 190747.02 / 60 * 25 * 1.1	\$428,386
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.9 * 546 * 10.75 / 2 * 25	\$359,507
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.9 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	116 * 50.00046828 * 18.01 / 100 * 25 * 1.15	\$30,032
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$428,386 + \$359,507 + \$0 + \$30,032	\$817,925

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-630-010

Original		Current
MC INTOSH	Municipality	MC INTOSH
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 8 TO E LIM MCINTOSH	Termini	CSAH 8 TO E LIM MCINTOSH
270	Present AADT	270
2017	Year of Count	2017
1.2	Projection Factor	1.2
324	Projected Traffic	324
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESURFACED UNDER 60-630-009	Comments	RESURFACED UNDER 60-630-009
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
91511	Structure Number	91511
0.32	Milepoint	0.32
1977	Year Built	1977
POPLAR RIVER	Feature Crossed	POPLAR RIVER
	Type of Service	
3	Number of Barrels	3
14	Culvert Width	14
8	Culvert Height	8
55	Culvert Length	55
246.00032338	Area of Waterway Opening	246.00032338
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 381494.04 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.59 / 20 * 25	\$62,819
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 6615.75 / 60 * 25	\$1,378
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	55 * 246.00032338 * 18.01 / 100 * 25 * 1.15	\$70,057
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$87,426 + \$62,819 + \$1,378 + \$70,057	\$221,680

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-630-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
5.4	Segment Length	5.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM MCINTOSH TO 5.4 MI E	Termini	E LIM MCINTOSH TO 5.4 MI E
190	Present AADT	190
2017	Year of Count	2017
1.2	Projection Factor	1.2
228	Projected Traffic	228
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESURFACED UNDER 60-630-009	Comments	RESURFACED UNDER 60-630-009
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.4 * 381494.04 / 60 * 25 * 1.1	\$944,198
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.4 * 2112 * 47.59 / 20 * 25	\$678,443
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.4 * 6615.75 / 60 * 25	\$14,885
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$944,198 + \$678,443 + \$14,885</b>	<b>\$1,637,526</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-630-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
5.4 MI E TO 5.8 MI E+S OF E LIM MCINTOSH	Termini	5.4 MI E TO 5.8 MI E+S OF E LIM MCINTOSH
115	Present AADT	115
2017	Year of Count	2017
1.2	Projection Factor	1.2
138	Projected Traffic	138
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.4 * 381494.04 / 60 * 25 * 1.1	\$69,941
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2112 * 47.59 / 20 * 25	\$50,255
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 6615.75 / 60 * 25	\$1,103
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$69,941 + \$50,255 + \$1,103	\$121,299

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-630-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.8	Segment Length	3.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
5.8 MI E & S OF E LIM MCINTOSH TO N LIMS FOSSTON	Termini	5.8 MI E & S OF E LIM MCINTOSH TO N LIMS FOSSTON
410	Present AADT	410
2017	Year of Count	2017
1.2	Projection Factor	1.2
492	Projected Traffic	492
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SAP 060-630-010 M&OL	Comments	2014 SAP 060-630-010 M&OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93051	Structure Number	93051
8.86	Milepoint	8.86
1974	Year Built	1974
POPLAR RIVER	Feature Crossed	POPLAR RIVER
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
72	Culvert Length	72
131.99985848	Area of Waterway Opening	131.99985848
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.8 * 381494.04 / 60 * 25 * 1.1	\$664,435
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.8 * 2112 * 47.59 / 20 * 25	\$477,423
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.8 * 6615.75 / 60 * 25	\$10,475
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	72 * 131.99985848 * 18.01 / 100 * 25 * 1.15	\$49,210

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$664,435 + \$477,423 + \$10,475 + \$49,210</b>	<b>\$1,201,543</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-630-041**

**Original**

**Current**

FOSSTON	Municipality	FOSSTON
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N LIMS FOSSTON TO 0.2 MI S	Termini	N LIMS FOSSTON TO 0.2 MI S
410	Present AADT	410
2017	Year of Count	2017
1.2	Projection Factor	1.2
492	Projected Traffic	492
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SAP 060-630-010 M&OL	Comments	2014 SAP 060-630-010 M&OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 381494.04 / 60 * 25 * 1.1	\$34,970
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 47.59 / 20 * 25	\$25,128
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 6615.75 / 60 * 25	\$551
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$34,970 + \$25,128 + \$551</b>	<b>\$60,649</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-630-042**

Original		Current
FOSSTON	Municipality	FOSSTON
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.20 MI TO 0.40 MI S OF N LIMS FOSSTON	Termini	0.20 MI TO 0.40 MI S OF N LIMS FOSSTON
1650	Present AADT	1650
2017	Year of Count	2017
1.2	Projection Factor	1.2
1980	Projected Traffic	1980
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SAP 060-630-010 M&OL	Comments	2014 SAP 060-630-010 M&OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 1098967.83 / 60 * 25 * 1.1	\$100,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2376 * 47.59 / 20 * 25	\$28,268
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 82442.62 / 60 * 25	\$6,870
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$100,739 + \$28,268 + \$6,870</b>	<b>\$135,877</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-630-050**

Original		Current
FOSSTON	Municipality	FOSSTON
0.17	Segment Length	0.17
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.4 MI S OF S LIMS FOSSTON TO TH 2	Termini	0.4 MI S OF S LIMS FOSSTON TO TH 2
1250	Present AADT	1250
2017	Year of Count	2017
1.2	Projection Factor	1.2
1500	Projected Traffic	1500
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SAP 060-630-010 M&OL	Comments	2014 SAP 060-630-010 M&OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.17 * 2473473.86 / 60 * 25 * 1.15	\$201,485
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.17 * 2904 * 47.59 / 15 * 25	\$39,157
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.17 * 80560.78 / 60 * 25	\$5,706
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$201,485 + \$39,157 + \$5,706</b>	<b>\$246,348</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-631-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.5	Segment Length	4.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 8 TO CSAH 1	Termini	CSAH 8 TO CSAH 1
50	Present AADT	50
2017	Year of Count	2017
1.2	Projection Factor	1.2
60	Projected Traffic	60
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2003	Latest Year SA funds	2003
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
GRADED IN 2003	Comments	GRADED IN 2003
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60K19	Structure Number	60K19
0.91	Milepoint	0.91
2003	Year Built	2003
CD # 16	Feature Crossed	CD # 16
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
6	Culvert Height	6
102	Culvert Length	102
71.9997271	Area of Waterway Opening	71.9997271
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.5 * 190747.02 / 60 * 25 * 1.1	\$393,416
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.5 * 546 * 10.75 / 2 * 25	\$330,159
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.5 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	102 * 71.9997271 * 18.01 / 100 * 25 * 1.15	\$38,026
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$393,416 + \$330,159 + \$0 + \$38,026	\$761,601

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-632-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.7	Segment Length	3.7
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.5 MI W ALONG S CO LINE TO CSAH 1	Termini	0.5 MI W ALONG S CO LINE TO CSAH 1
185	Present AADT	185
2017	Year of Count	2017
1.2	Projection Factor	1.2
222	Projected Traffic	222
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1980	Latest Year SA funds	1980
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2006	Comments	REINSTATE FULL NEEDS IN 2006
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.7 * 381494.04 / 60 * 25 * 1.1	\$646,950
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.7 * 2112 * 47.59 / 20 * 25	\$464,859
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.7 * 6615.75 / 60 * 25	\$10,199
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$646,950 + \$464,859 + \$10,199</b>	<b>\$1,122,008</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-633-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 6 TO NORTH COUNTY LINE	Termini	CSAH 6 TO NORTH COUNTY LINE
25	Present AADT	25
2017	Year of Count	2017
1.2	Projection Factor	1.2
30	Projected Traffic	30
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60521	Structure Number	60521
2.94	Milepoint	2.94
1973	Year Built	1973
LOST RIVER	Feature Crossed	LOST RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
93.2	Bridge Length	93.2
22.2	Bridge Width	22.2
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Culvert Information**

Status: Original

Original		Current
96949	Structure Number	96949
2.242	Milepoint	2.242
1900	Year Built	1900
DITCH	Feature Crossed	DITCH
	Type of Service	
2	Number of Barrels	2
	Culvert Width	
	Culvert Height	
42	Culvert Length	42
38.99976248	Area of Waterway Opening	38.99976248
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
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Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$4 * 190747.02 / 60 * 25 * 1.1$	\$349,703
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$4 * 546 * 10.75 / 2 * 25$	\$293,475
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$4 * 0 / 60 * 25$	\$0
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$93.2 * 22.2 * 173 / 80 * 25 * 1.15$	\$128,636
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$42 * 38.99976248 * 18.01 / 100 * 25 * 1.15$	\$8,481
Total Segment Cost	Construction + Preservation + ROW + Bridge + Culvert	$\$349,703 + \$293,475 + \$0$ $+ \$128,636 + \$8,481$	\$780,295

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-634-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2.5	Segment Length	2.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO CSAH 39	Termini	CSAH 1 TO CSAH 39
110	Present AADT	110
2017	Year of Count	2017
1.2	Projection Factor	1.2
132	Projected Traffic	132
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1969	Latest Year SA funds	1969
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.5 * 190747.02 / 60 * 25 * 1.1	\$218,564
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 546 * 10.75 / 2 * 25	\$183,422
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$218,564 + \$183,422 + \$0</b>	<b>\$401,986</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-634-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 39 TO CSAH 36	Termini	CSAH 39 TO CSAH 36
65	Present AADT	65
2017	Year of Count	2017
1.2	Projection Factor	1.2
78	Projected Traffic	78
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1969	Latest Year SA funds	1969
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 190747.02 / 60 * 25 * 1.1	\$262,277
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 546 * 10.75 / 2 * 25	\$220,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$262,277 + \$220,106 + \$0</b>	<b>\$482,383</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name :

POLK

Segment Nbr : 060-634-030

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2.5	Segment Length	2.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 36 TO CSAH 41	Termini	CSAH 36 TO CSAH 41
510	Present AADT	510
2017	Year of Count	2017
1.2	Projection Factor	1.2
612	Projected Traffic	612
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.5 * 381494.04 / 60 * 25 * 1.1	\$437,129
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 2112 * 47.59 / 20 * 25	\$314,094
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 6615.75 / 60 * 25	\$6,891
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$437,129 + \$314,094 + \$6,891	\$758,114

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-634-040**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 41 TO S LIM ERSKINE	Termini	CSAH 41 TO S LIM ERSKINE
1150	Present AADT	1150
2017	Year of Count	2017
1.2	Projection Factor	1.2
1380	Projected Traffic	1380
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1987	Latest Year SA funds	1987
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 381494.04 / 60 * 25 * 1.1	\$349,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.59 / 20 * 25	\$251,275
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 6615.75 / 60 * 25	\$5,513
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$349,703 + \$251,275 + \$5,513</b>	<b>\$606,491</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-634-050**

**Original**

**Current**

ERSKINE	Municipality	ERSKINE
0.09	Segment Length	0.09
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S LIMS ERSKINE TO 0.09 MI N	Termini	S LIMS ERSKINE TO 0.09 MI N
1150	Present AADT	1150
2017	Year of Count	2017
1.2	Projection Factor	1.2
1380	Projected Traffic	1380
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-634-012 Reconstruct	Comments	2017 SAP 060-634-012 Reconstruct
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.09 * 381494.04 / 60 * 25 * 1.1	\$15,737
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.09 * 2112 * 47.59 / 20 * 25	\$11,307
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.09 * 6615.75 / 60 * 25	\$248
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$15,737 + \$11,307 + \$248</b>	<b>\$27,292</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-634-051**

Original		Current
ERSKINE	Municipality	ERSKINE
0.68	Segment Length	0.68
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
.09 MILES NORTH OF SOUTH LIMITS OF ERSKINE TO FIRST STREET\	Termini	.09 MILES NORTH OF SOUTH LIMITS OF ERSKINE TO FIRST STREET\
1500	Present AADT	1500
2017	Year of Count	2017
1.2	Projection Factor	1.2
1800	Projected Traffic	1800
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-634-012 Reconstruct	Comments	2017 SAP 060-634-012 Reconstruct
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.68 * 2473473.86 / 60 * 25 * 1.15	\$805,940
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.68 * 2904 * 47.59 / 15 * 25	\$156,628
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.68 * 80560.78 / 60 * 25	\$22,826
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$805,940 + \$156,628 + \$22,826	\$985,394



SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-634-060

Original		Current
ERSKINE	Municipality	ERSKINE
0.15	Segment Length	0.15
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1ST ST TO TH 2 IN ERSKINE	Termini	1ST ST TO TH 2 IN ERSKINE
2100	Present AADT	2100
2017	Year of Count	2017
1.2	Projection Factor	1.2
2520	Projected Traffic	2520
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-634-012 Reconstruct	Comments	2017 SAP 060-634-012 Reconstruct
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081685D	USDOT Number	081685D
0.13	Located at Milepoint	0.13
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
2005	Last Year Protection Upgraded	2005
54	Crossing Length	54
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.15 * 2473473.86 / 60 * 25 * 1.15	\$177,781
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.15 * 2904 * 47.59 / 15 * 25	\$34,550
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.15 * 80560.78 / 60 * 25	\$5,035
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	54 * 1750 / 25 * 25	\$94,500
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$177,781 + \$34,550 + \$5,035 + \$350,000 + \$94,500	\$661,866

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-634-070**

**Original**

**Current**

ERSKINE	Municipality	ERSKINE
0.31	Segment Length	0.31
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO NORTH LIMITS ERSKINE	Termini	TH 2 TO NORTH LIMITS ERSKINE
440	Present AADT	440
2017	Year of Count	2017
1.2	Projection Factor	1.2
528	Projected Traffic	528
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2001	Latest Year SA funds	2001
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED IN 2001	Comments	RECONSTRUCTED IN 2001
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.31 * 2473473.86 / 60 * 25 * 1.15	\$367,414
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.31 * 2904 * 47.59 / 15 * 25	\$71,404
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.31 * 80560.78 / 60 * 25	\$10,406
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$367,414 + \$71,404 + \$10,406</b>	<b>\$449,224</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name :

POLK

Segment Nbr : 060-634-080

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.1	Segment Length	0.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NORTH LIMITS OF ERSKINE TO BADGER LAKE	Termini	NORTH LIMITS OF ERSKINE TO BADGER LAKE
440	Present AADT	440
2017	Year of Count	2017
1.2	Projection Factor	1.2
528	Projected Traffic	528
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2001	Latest Year SA funds	2001
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED IN 2001	Comments	RECONSTRUCTED IN 2001
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.1 * 381494.04 / 60 * 25 * 1.1	\$17,485
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 47.59 / 20 * 25	\$12,564
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 6615.75 / 60 * 25	\$276
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$17,485 + \$12,564 + \$276</b>	<b>\$30,325</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-634-090**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.8	Segment Length	0.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM BADGER LAKE TO T.H 59	Termini	FROM BADGER LAKE TO T.H 59
440	Present AADT	440
2017	Year of Count	2017
1.2	Projection Factor	1.2
528	Projected Traffic	528
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2001	Latest Year SA funds	2001
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.8 * 381494.04 / 60 * 25 * 1.1	\$139,881
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2112 * 47.59 / 20 * 25	\$100,510
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 6615.75 / 60 * 25	\$2,205
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$139,881 + \$100,510 + \$2,205</b>	<b>\$242,596</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-635-010**

**Original**

**Current**

ERSKINE	Municipality	ERSKINE
0.27	Segment Length	0.27
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 34 TO E LIMS ERSKINE	Termini	CSAH 34 TO E LIMS ERSKINE
270	Present AADT	270
2017	Year of Count	2017
1.2	Projection Factor	1.2
324	Projected Traffic	324
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.27 * 381494.04 / 60 * 25 * 1.1	\$47,210
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.27 * 2112 * 47.59 / 20 * 25	\$33,922
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.27 * 6615.75 / 60 * 25	\$744
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$47,210 + \$33,922 + \$744</b>	<b>\$81,876</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-635-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.1	Segment Length	1.1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIMS ERSKINE TO T.H. 59	Termini	E LIMS ERSKINE TO T.H. 59
130	Present AADT	130
2017	Year of Count	2017
1.2	Projection Factor	1.2
156	Projected Traffic	156
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695796T	USDOT Number	695796T
0	Located at Milepoint	0
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
2012	Last Year Protection Upgraded	2012
24	Crossing Length	24
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**RailRoadCrossing Information**

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
926352R	USDOT Number	926352R
0	Located at Milepoint	0
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
80	Crossing Length	80
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$1.1 * 381494.04 / 60 * 25 * 1.1$	\$192,337
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$1.1 * 2112 * 47.59 / 20 * 25$	\$138,201
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$1.1 * 6615.75 / 60 * 25$	\$3,032
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$24 * 1750 / 25 * 25$	\$42,000
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$80 * 1750 / 25 * 25$	\$140,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface + RR Crossing Protection + RR Crossing Surface	$\$0 + \$192,337 + \$138,201 + \$3,032 + \$2,000 + \$42,000 + \$2,000 + \$140,000$	\$519,570

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name :

POLK

Segment Nbr : 060-635-025

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
5.7	Segment Length	5.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
T.H. 59 TO CSAH 8	Termini	T.H. 59 TO CSAH 8
150	Present AADT	150
2017	Year of Count	2017
1.2	Projection Factor	1.2
180	Projected Traffic	180
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2000	Comments	CONSTRUCTED IN 2000
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

**Original**

**Current**

97128	Structure Number	97128
5.54	Milepoint	5.54
1995	Year Built	1995
POPLAR RIVER	Feature Crossed	POPLAR RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Barrels	3
	Culvert Width	
	Culvert Height	
60	Culvert Length	60
252.00012124	Area of Waterway Opening	252.00012124
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.7 * 381494.04 / 60 * 25 * 1.1	\$996,653
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.7 * 2112 * 47.59 / 20 * 25	\$716,134
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.7 * 6615.75 / 60 * 25	\$15,712
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 252.00012124 * 18.01 / 100 * 25 * 1.15	\$78,290
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$996,653 + \$716,134 + \$15,712 + \$78,290	\$1,806,789



SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-635-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.2	Segment Length	7.2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 8 TO CSAH 6	Termini	CSAH 8 TO CSAH 6
150	Present AADT	150
2017	Year of Count	2017
1.2	Projection Factor	1.2
180	Projected Traffic	180
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
96587	Structure Number	96587
9.47	Milepoint	9.47
1988	Year Built	1988
HILL RIVER	Feature Crossed	HILL RIVER
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
7	Culvert Height	7
112	Culvert Length	112
139.99958896	Area of Waterway Opening	139.99958896
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7.2 * 381494.04 / 60 * 25 * 1.1	\$1,258,930
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.2 * 2112 * 47.59 / 20 * 25	\$904,591
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.2 * 6615.75 / 60 * 25	\$19,847
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	112 * 139.99958896 * 18.01 / 100 * 25 * 1.15	\$81,189
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,258,930 + \$904,591 + \$19,847 + \$81,189	\$2,264,557

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-635-031**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 6 TO CSAH 2	Termini	CSAH 6 TO CSAH 2
150	Present AADT	150
2017	Year of Count	2017
1.2	Projection Factor	1.2
180	Projected Traffic	180
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 381494.04 / 60 * 25 * 1.1	\$874,257
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.59 / 20 * 25	\$628,188
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 6615.75 / 60 * 25	\$13,783
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$874,257 + \$628,188 + \$13,783</b>	<b>\$1,516,228</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-636-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 39 TO CSAH 42	Termini	CSAH 39 TO CSAH 42
85	Present AADT	85
2017	Year of Count	2017
1.2	Projection Factor	1.2
102	Projected Traffic	102
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 190747.02 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 546 * 10.75 / 2 * 25	\$73,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$87,426 + \$73,369 + \$0</b>	<b>\$160,795</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-636-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.4	Segment Length	3.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 42 TO 3.4 MI NE	Termini	CSAH 42 TO 3.4 MI NE
245	Present AADT	245
2017	Year of Count	2017
1.2	Projection Factor	1.2
294	Projected Traffic	294
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message overlayed in 2019	Special Message Code Comments Interchange Override Segment Override	No Special Message overlayed in 2019

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.4 * 381494.04 / 60 * 25 * 1.1	\$594,495
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.4 * 2112 * 47.59 / 20 * 25	\$427,168
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.4 * 6615.75 / 60 * 25	\$9,372
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$594,495 + \$427,168 + \$9,372</b>	<b>\$1,031,035</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-636-030**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3.4 MI NE OF CSAH 42 TO CSAH 34	Termini	3.4 MI NE OF CSAH 42 TO CSAH 34
245	Present AADT	245
2017	Year of Count	2017
1.2	Projection Factor	1.2
294	Projected Traffic	294
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 381494.04 / 60 * 25 * 1.1	\$174,851
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 47.59 / 20 * 25	\$125,638
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 6615.75 / 60 * 25	\$2,757
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$174,851 + \$125,638 + \$2,757</b>	<b>\$303,246</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-637-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
6.4	Segment Length	6.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 10 TO CSAH 34	Termini	CSAH 10 TO CSAH 34
125	Present AADT	125
2017	Year of Count	2017
1.2	Projection Factor	1.2
150	Projected Traffic	150
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 060-637-005 OL	Comments	2012 SAP 060-637-005 OL
REINSTATED FULL NEEDS		REINSTATED FULL NEEDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.4 * 381494.04 / 60 * 25 * 1.1	\$1,119,049
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.4 * 2112 * 47.59 / 20 * 25	\$804,081
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.4 * 6615.75 / 60 * 25	\$17,642
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,119,049 + \$804,081 + \$17,642</b>	<b>\$1,940,772</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-638-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO 2.0 MI N	Termini	TH 2 TO 2.0 MI N
35	Present AADT	35
2017	Year of Count	2017
1.2	Projection Factor	1.2
42	Projected Traffic	42
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1967	Latest Year SA funds	1967
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 190747.02 / 60 * 25 * 1.1	\$174,851
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$174,851 + \$146,738 + \$0</b>	<b>\$321,589</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-638-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2.9	Segment Length	2.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.0 MI N OF TH 2 TO N CO LINE	Termini	2.0 MI N OF TH 2 TO N CO LINE
35	Present AADT	35
2017	Year of Count	2017
1.2	Projection Factor	1.2
42	Projected Traffic	42
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2005	Comments	REINSTATE FULL NEEDS IN 2005
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.9 * 190747.02 / 60 * 25 * 1.1	\$253,535
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.9 * 546 * 10.75 / 2 * 25	\$212,769
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.9 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$253,535 + \$212,769 + \$0</b>	<b>\$466,304</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-639-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
4.2	Segment Length	4.2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO CSAH 10	Termini	CSAH 12 TO CSAH 10
115	Present AADT	115
2017	Year of Count	2017
1.2	Projection Factor	1.2
138	Projected Traffic	138
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1994	Latest Year SA funds	1994
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.2 * 190747.02 / 60 * 25 * 1.1	\$367,188
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.2 * 546 * 10.75 / 2 * 25	\$308,149
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.2 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$367,188 + \$308,149 + \$0</b>	<b>\$675,337</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-639-030**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
5.5	Segment Length	5.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 10 TO CSAH 34	Termini	CSAH 10 TO CSAH 34
65	Present AADT	65
2017	Year of Count	2017
1.2	Projection Factor	1.2
78	Projected Traffic	78
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1977	Latest Year SA funds	1977
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.5 * 190747.02 / 60 * 25 * 1.1	\$480,841
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.5 * 546 * 10.75 / 2 * 25	\$403,528
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.5 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$480,841 + \$403,528 + \$0</b>	<b>\$884,369</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-640-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.3	Segment Length	0.3
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
ALONG S CO LINE	Termini	ALONG S CO LINE
80	Present AADT	80
2017	Year of Count	2017
1.2	Projection Factor	1.2
96	Projected Traffic	96
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.3 * 190747.02 / 60 * 25 * 1.1$	\$26,228
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.3 * 546 * 10.75 / 2 * 25$	\$22,011
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.3 * 0 / 60 * 25$	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$26,228 + \$22,011 + \$0</b>	<b>\$48,239</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-640-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S CO LINE TO CSAH 1	Termini	S CO LINE TO CSAH 1
80	Present AADT	80
2017	Year of Count	2017
1.2	Projection Factor	1.2
96	Projected Traffic	96
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 190747.02 / 60 * 25 * 1.1	\$174,851
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$174,851 + \$146,738 + \$0</b>	<b>\$321,589</b>

**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-641-005</b>
<b>Original</b>		<b>Current</b>
Unassigned/Unknown	Municipality	Unassigned/Unknown
8.5	Segment Length	8.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO CSAH 14	Termini	TH 75 TO CSAH 14
230	Present AADT	230
2017	Year of Count	2017
1.2	Projection Factor	1.2
276	Projected Traffic	276
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 060-641-030 OVERLAY	Comments	2018 SAP 060-641-030 OVERLAY
GRADED IN 2005 UNDER SAP 60-641-021		GRADED IN 2005 UNDER SAP 60-641-021
SURFACED IN 2009 UNDER SAP 60-641-22		SURFACED IN 2009 UNDER SAP 60-641-22
	Interchange Override	
	Segment Override	

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>		<b>Current</b>
60K68	Structure Number	60K68
2.309	Milepoint	2.309
2005	Year Built	2005
CO DITCH # 93	Feature Crossed	CO DITCH # 93
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
14	Culvert Width	14
7	Culvert Height	7
74	Culvert Length	74
97.99992755	Area of Waterway Opening	97.99992755
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>		<b>Current</b>
60K70	Structure Number	60K70
11.769	Milepoint	11.769
2004	Year Built	2004
DITCH	Feature Crossed	DITCH
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
5	Culvert Width	5
3	Culvert Height	3
132	Culvert Length	132
71.9997271	Area of Waterway Opening	71.9997271
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
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Original		Current
60K72	Structure Number	60K72
0.736	Milepoint	0.736
2005	Year Built	2005
COULEE	Feature Crossed	COULEE
	Type of Service	
2	Number of Barrels	2
8	Culvert Width	8
5	Culvert Height	5
87	Culvert Length	87
80.00053397	Area of Waterway Opening	80.00053397
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1
<b>RailRoadCrossing Information</b>		Status: Original

Original		Current
MINNESOTA NORTHERN RAILROAD, INC.	RailRoad Name	MINNESOTA NORTHERN RAILROAD, INC.
072067E	USDOT Number	072067E
12.2	Located at Milepoint	12.2
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
24	Crossing Length	24
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

### Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8.5 * 381494.04 / 60 * 25 * 1.1	\$1,486,237
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8.5 * 2112 * 47.59 / 20 * 25	\$1,067,920
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8.5 * 6615.75 / 60 * 25	\$23,431
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	74 * 97.99992755 * 18.01 / 100 * 25 * 1.15	\$37,550
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	132 * 71.9997271 * 18.01 / 100 * 25 * 1.15	\$49,210
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	87 * 80.00053397 * 18.01 / 100 * 25 * 1.15	\$36,038
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	24 * 1750 / 25 * 25	\$42,000

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert + RR Crossing Protection + RR Crossing Surface</b>	<b>\$0 + \$1,486,237 + \$1,067,920 + \$23,431 + \$37,550 + \$49,210 + \$36,038 + \$2,000 + \$42,000</b>	<b>\$2,744,386</b>
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**SANEEDS - CSAH - Segment Report**

Roadway Segment Information		Status : Original
County Name :	POLK	Segment Nbr : 060-641-007
Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.9	Segment Length	3.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 14 TO TH 9	Termini	CSAH 14 TO TH 9
230	Present AADT	230
2017	Year of Count	2017
1.2	Projection Factor	1.2
276	Projected Traffic	276
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 060-641-031 GEOGRID, 8 IN CL5, HMA PAVING	Comments	2018 SAP 060-641-031 GEOGRID, 8 IN CL5, HMA PAVING
GRADED IN 2005 UNDER SAP 60-641-021 Paved in 2018 under SAP 60-641-031		GRADED IN 2005 UNDER SAP 60-641-021 Paved in 2018 under SAP 60-641-031
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original		Current
60K64	Structure Number	60K64
	Milepoint	
2005	Year Built	2005
	Feature Crossed	
OTHER	Type of Service	OTHER
2	Number of Barrels	2
12	Culvert Width	12
7	Culvert Height	7
62	Culvert Length	62
167.99972203	Area of Waterway Opening	167.99972203
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original		Current
60K65	Structure Number	60K65
	Milepoint	
2005	Year Built	2005
	Feature Crossed	
OTHER	Type of Service	OTHER
2	Number of Barrels	2
12	Culvert Width	12
7	Culvert Height	7
60	Culvert Length	60
167.99972203	Area of Waterway Opening	167.99972203
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1



**Segment Cost  
Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.9 * 381494.04 / 60 * 25 * 1.1	\$681,921
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.9 * 2112 * 47.59 / 20 * 25	\$489,987
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.9 * 6615.75 / 60 * 25	\$10,751
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	62 * 167.99972203 * 18.01 / 100 * 25 * 1.15	\$53,933
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 167.99972203 * 18.01 / 100 * 25 * 1.15	\$52,193
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert + Culvert</b>	<b>\$0 + \$681,921 + \$489,987 + \$10,751 + \$53,933 + \$52,193</b>	<b>\$1,288,785</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-641-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8.4	Segment Length	8.4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 9 TO TH 102	Termini	TH 9 TO TH 102
25	Present AADT	25
2017	Year of Count	2017
1.2	Projection Factor	1.2
30	Projected Traffic	30
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
071395T	USDOT Number	071395T
8.4	Located at Milepoint	8.4
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
42	Crossing Length	42
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$8.4 * 190747.02 / 60 * 25 * 1.1$	\$734,376
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$8.4 * 546 * 10.75 / 2 * 25$	\$616,298
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$8.4 * 0 / 60 * 25$	\$0
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$42 * 1750 / 25 * 25$	\$73,500
Total Segment Cost	$\text{Construction} + \text{Preservation} + \text{ROW} + \text{RR Crossing Protection} + \text{RR Crossing Surface}$	$\$734,376 + \$616,298 + \$0 + \$2,000 + \$73,500$	\$1,426,174

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-641-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
4.3	Segment Length	4.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 102 TO TH 32	Termini	TH 102 TO TH 32
265	Present AADT	265
2017	Year of Count	2017
1.2	Projection Factor	1.2
318	Projected Traffic	318
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SHOULDER GRADED & SURFACED IN 2008, SP 60-641-23	Comments	SHOULDER GRADED & SURFACED IN 2008, SP 60-641-23
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.3 * 381494.04 / 60 * 25 * 1.1	\$751,861
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.3 * 2112 * 47.59 / 20 * 25	\$540,242
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.3 * 6615.75 / 60 * 25	\$11,853
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$751,861 + \$540,242 + \$11,853</b>	<b>\$1,303,956</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-641-021

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.9	Segment Length	2.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 32 TO CSAH 12	Termini	TH 32 TO CSAH 12
485	Present AADT	485
2017	Year of Count	2017
1.2	Projection Factor	1.2
582	Projected Traffic	582
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SHOULDER GRADED AND RESURFACED IN 2008, SP 60-641-23	Comments	SHOULDER GRADED AND RESURFACED IN 2008, SP 60-641-23
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.9 * 381494.04 / 60 * 25 * 1.1	\$507,069
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.9 * 2112 * 47.59 / 20 * 25	\$364,349
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.9 * 6615.75 / 60 * 25	\$7,994
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$507,069 + \$364,349 + \$7,994	\$879,412

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-641-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.2	Segment Length	5.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO CSAH 42	Termini	CSAH 12 TO CSAH 42
485	Present AADT	485
2017	Year of Count	2017
1.2	Projection Factor	1.2
582	Projected Traffic	582
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2009	Latest Year SA funds	2009
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SHOULDER GRADED AND OVERLAYED IN 2009 SAP 60-641-24	Comments	SHOULDER GRADED AND OVERLAYED IN 2009 SAP 60-641-24
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.2 * 381494.04 / 60 * 25 * 1.1	\$909,227
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.2 * 2112 * 47.59 / 20 * 25	\$653,316
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.2 * 6615.75 / 60 * 25	\$14,334
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$909,227 + \$653,316 + \$14,334</b>	<b>\$1,576,877</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-641-040**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.1	Segment Length	5.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 42 TO CSAH 34	Termini	CSAH 42 TO CSAH 34
485	Present AADT	485
2017	Year of Count	2017
1.2	Projection Factor	1.2
582	Projected Traffic	582
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATED FULL NEEDS overlay in 2019	Comments	REINSTATED FULL NEEDS overlay in 2019
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.1 * 381494.04 / 60 * 25 * 1.1	\$891,742
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.1 * 2112 * 47.59 / 20 * 25	\$640,752
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.1 * 6615.75 / 60 * 25	\$14,058
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$891,742 + \$640,752 + \$14,058</b>	<b>\$1,546,552</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-641-041**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.5	Segment Length	1.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 34 TO TH 59	Termini	CSAH 34 TO TH 59
485	Present AADT	485
2017	Year of Count	2017
1.2	Projection Factor	1.2
582	Projected Traffic	582
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1987	Latest Year SA funds	1987
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695788B	USDOT Number	695788B
0.8	Located at Milepoint	0.8
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
40	Crossing Length	40
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.5 * 381494.04 / 60 * 25 * 1.1	\$262,277
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.5 * 2112 * 47.59 / 20 * 25	\$188,456
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.5 * 6615.75 / 60 * 25	\$4,135
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	40 * 1750 / 25 * 25	\$70,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$262,277 + \$188,456 + \$4,135 + \$2,000 + \$70,000	\$526,868

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-641-050**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.2	Segment Length	4.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 59 TO W LIM MCINTOSH	Termini	TH 59 TO W LIM MCINTOSH
530	Present AADT	530
2017	Year of Count	2017
1.2	Projection Factor	1.2
636	Projected Traffic	636
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
GRADEWIDENED IN 2014	Comments	GRADEWIDENED IN 2014
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.2 * 381494.04 / 60 * 25 * 1.1	\$734,376
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.2 * 2112 * 47.59 / 20 * 25	\$527,678
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.2 * 6615.75 / 60 * 25	\$11,578
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$734,376 + \$527,678 + \$11,578</b>	<b>\$1,273,632</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-641-060**

**Original**

**Current**

MC INTOSH	Municipality	MC INTOSH
0.36	Segment Length	0.36
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W. LIM. MC INTOSH TO .36 MI. E.	Termini	W. LIM. MC INTOSH TO .36 MI. E.
670	Present AADT	670
2017	Year of Count	2017
1.2	Projection Factor	1.2
804	Projected Traffic	804
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1987	Latest Year SA funds	1987
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.36 * 381494.04 / 60 * 25 * 1.1	\$62,947
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.36 * 2112 * 47.59 / 20 * 25	\$45,230
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.36 * 6615.75 / 60 * 25	\$992
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$62,947 + \$45,230 + \$992</b>	<b>\$109,169</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-641-070**

Original		Current
MC INTOSH	Municipality	MC INTOSH
0.36	Segment Length	0.36
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.36 MI E OF W LIMS TO CSAH 114	Termini	0.36 MI E OF W LIMS TO CSAH 114
730	Present AADT	730
2017	Year of Count	2017
1.2	Projection Factor	1.2
876	Projected Traffic	876
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1988	Latest Year SA funds	1988
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
USED MUNICIPALMAINTENANCE DOLLARS, 2007- REINSTATE FULL NEEDS IN 2009	Comments	USED MUNICIPALMAINTENANCE DOLLARS, 2007- REINSTATE FULL NEEDS IN 2009
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081696R	USDOT Number	081696R
0.18	Located at Milepoint	0.18
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1988	Last Year Protection Upgraded	1988
48	Crossing Length	48
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.36 * 2473473.86 / 60 * 25 * 1.15	\$426,674
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.36 * 2904 * 47.59 / 15 * 25	\$82,921
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.36 * 80560.78 / 60 * 25	\$12,084
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	48 * 1750 / 25 * 25	\$84,000

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface</b>	<b>\$0 + \$426,674 + \$82,921 + \$12,084 + \$350,000 + \$84,000</b>	<b>\$955,679</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-642-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 36 TO CSAH 41	Termini	CSAH 36 TO CSAH 41
215	Present AADT	215
2017	Year of Count	2017
1.2	Projection Factor	1.2
258	Projected Traffic	258
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message overlayed in 2019	Special Message Code Comments Interchange Override Segment Override	No Special Message overlayed in 2019

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 381494.04 / 60 * 25 * 1.1	\$524,554
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.59 / 20 * 25	\$376,913
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 6615.75 / 60 * 25	\$8,270
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$524,554 + \$376,913 + \$8,270</b>	<b>\$909,737</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-644-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SOUTH COUNTY LINE TO CSAH 1	Termini	SOUTH COUNTY LINE TO CSAH 1
110	Present AADT	110
2017	Year of Count	2017
1.2	Projection Factor	1.2
132	Projected Traffic	132
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
97342	Structure Number	97342
0.83	Milepoint	0.83
1996	Year Built	1996
SAND HILL RIVER	Feature Crossed	SAND HILL RIVER
	Type of Service	
3	Number of Barrels	3
12	Culvert Width	12
10	Culvert Height	10
60	Culvert Length	60
359.99971189	Area of Waterway Opening	359.99971189
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 381494.04 / 60 * 25 * 1.1	\$524,554
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.59 / 20 * 25	\$376,913
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 6615.75 / 60 * 25	\$8,270
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 359.99971189 * 18.01 / 100 * 25 * 1.15	\$111,842
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$524,554 + \$376,913 + \$8,270 + \$111,842	\$1,021,579

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-644-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.8	Segment Length	4.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO TH 102	Termini	CSAH 1 TO TH 102
110	Present AADT	110
2017	Year of Count	2017
1.2	Projection Factor	1.2
132	Projected Traffic	132
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2008, SAP 60-644-17	Comments	OVERLAYED IN 2008, SAP 60-644-17
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92153	Structure Number	92153
4.18	Milepoint	4.18
1963	Year Built	1963
KITTLESON CREEK	Feature Crossed	KITTLESON CREEK
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
90	Culvert Length	90
85.00036552	Area of Waterway Opening	85.00036552
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.8 * 381494.04 / 60 * 25 * 1.1	\$839,287
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.8 * 2112 * 47.59 / 20 * 25	\$603,060
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.8 * 6615.75 / 60 * 25	\$13,232
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	90 * 85.00036552 * 18.01 / 100 * 25 * 1.15	\$39,611

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$839,287 + \$603,060 + \$13,232 + \$39,611</b>	<b>\$1,495,190</b>
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**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-644-030</b>
<b>Original</b>		<b>Current</b>
Unassigned/Unknown	Municipality	Unassigned/Unknown
9.9	Segment Length	9.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 102 TO TH 2	Termini	TH 102 TO TH 2
110	Present AADT	110
2017	Year of Count	2017
1.2	Projection Factor	1.2
132	Projected Traffic	132
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>		<b>Current</b>
95279	Structure Number	95279
16.21	Milepoint	16.21
1979	Year Built	1979
W BR CO DITCH # 140	Feature Crossed	W BR CO DITCH # 140
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
6	Culvert Height	6
72	Culvert Length	72
89.00023076	Area of Waterway Opening	89.00023076
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>		<b>Current</b>
96745	Structure Number	96745
9.591	Milepoint	9.591
1989	Year Built	1989
CO DITCH # 72	Feature Crossed	CO DITCH # 72
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
64	Culvert Length	64
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>		<b>Current</b>
96953	Structure Number	96953
9.505	Milepoint	9.505



1989	Year Built	1989
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
	Culvert Width	
	Culvert Height	
72	Culvert Length	72
56.00026614	Area of Waterway Opening	56.00026614
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1
<b>RailRoadCrossing Information</b>		Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081655L	USDOT Number	081655L
5.9	Located at Milepoint	5.9
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
32	Crossing Length	32
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

### Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$9.9 * 190747.02 / 60 * 25 * 1.1$	\$865,515
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$9.9 * 546 * 10.75 / 2 * 25$	\$726,351
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$9.9 * 0 / 60 * 25$	\$0
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$72 * 89.00023076 * 18.01 / 100 * 25 * 1.15$	\$33,180
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$64 * 65.99992924 * 18.01 / 100 * 25 * 1.15$	\$21,871
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$72 * 56.00026614 * 18.01 / 100 * 25 * 1.15$	\$20,877
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$32 * 1750 / 25 * 25$	\$56,000
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert + Culvert + RR Crossing Protection + RR Crossing Surface	$\$865,515 + \$726,351 + \$0 + \$33,180 + \$21,871 + \$20,877 + \$2,000 + \$56,000$	\$1,725,794

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-644-040**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO CSAH 53	Termini	TH 2 TO CSAH 53
135	Present AADT	135
2017	Year of Count	2017
1.2	Projection Factor	1.2
162	Projected Traffic	162
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
GRADED IN 2003	Comments	GRADED IN 2003
SURFACED IN 2004 SAP 60-644-16		SURFACED IN 2004 SAP 60-644-16
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 381494.04 / 60 * 25 * 1.1	\$349,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.59 / 20 * 25	\$251,275
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 6615.75 / 60 * 25	\$5,513
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$349,703 + \$251,275 + \$5,513	\$606,491

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-645-010

Original	Current
Unassigned/Unknown	Unassigned/Unknown
5.7	5.7
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
TH 220 TO TH 75	TH 220 TO TH 75
240	240
2017	2017
1.2	1.2
288	288
RURAL	RURAL
2 - RURAL : 150 - 1499	2 ( RURAL : 150 - 1499 )
1996	1996
0	0
No Special Message	No Special Message
REINSTATE FULL NEEDS IN 2005	REINSTATE FULL NEEDS IN 2005
	Interchange Override
	Segment Override

RailRoadCrossing Information

Status: Original

Original	Current
BURLINGTON NORTHERN SANTA FE RAILWAY	BURLINGTON NORTHERN SANTA FE RAILWAY
072081A	072081A
5.7	5.7
1	1
SIGNS ONLY	SIGNS ONLY
66	66
100%	100%

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.7 * 381494.04 / 60 * 25 * 1.1	\$996,653
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.7 * 2112 * 47.59 / 20 * 25	\$716,134
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.7 * 6615.75 / 60 * 25	\$15,712
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	66 * 1750 / 25 * 25	\$115,500
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$996,653 + \$716,134 + \$15,712 + \$2,000 + \$115,500	\$1,845,999

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-645-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.3	Segment Length	6.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO CSAH 14	Termini	TH 75 TO CSAH 14
125	Present AADT	125
2017	Year of Count	2017
1.2	Projection Factor	1.2
150	Projected Traffic	150
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 060-645-023 OL	Comments	2015 SAP 060-645-023 OL
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
92846	Structure Number	92846
11.01	Milepoint	11.01
1972	Year Built	1972
BURNHAM CREEK	Feature Crossed	BURNHAM CREEK
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
10	Culvert Height	10
126	Culvert Length	126
77.99952496	Area of Waterway Opening	77.99952496
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information**

Status: Original

Original		Current
97522	Structure Number	97522
7.03	Milepoint	7.03
1991	Year Built	1991
CO DITCH # 94	Feature Crossed	CO DITCH # 94
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
76	Culvert Length	76
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.3 * 381494.04 / 60 * 25 * 1.1	\$1,101,564
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.3 * 2112 * 47.59 / 20 * 25	\$791,517
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.3 * 6615.75 / 60 * 25	\$17,366
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	126 * 77.99952496 * 18.01 / 100 * 25 * 1.15	\$50,888
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	76 * 65.99992924 * 18.01 / 100 * 25 * 1.15	\$25,972
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$1,101,564 + \$791,517 + \$17,366 + \$50,888 + \$25,972	\$1,987,307

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-645-031

Original	Current
Unassigned/Unknown	Unassigned/Unknown
3	3
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
CSAH 14 TO TH 9	CSAH 14 TO TH 9
235	235
2017	2017
1.2	1.2
282	282
RURAL	RURAL
2 - RURAL : 150 - 1499	2 ( RURAL : 150 - 1499 )
2015	2015
0	0
No Special Message	No Special Message
2015 SAP 060-645-023 OL	2015 SAP 060-645-023 OL
	Interchange Override
	Segment Override

**Bridge Information**

Status: Original

Original	Current
60515	60515
13.03	13.03
1967	1967
CO DITCH # 79	CO DITCH # 79
STREAM CROSSING	STREAM CROSSING
3	3
93.2	93.2
34.8	34.8
100%	100%
	Comments
1 ( 0-149 )	1 ( 0-149 )

**RailRoadCrossing Information**

Status: Original

Original	Current
BURLINGTON NORTHERN SANTA FE RAILWAY	BURLINGTON NORTHERN SANTA FE RAILWAY
071405W	071405W
2	2
1	1
SIGNS ONLY	SIGNS ONLY
	Last Year Protection Upgraded
48	48
	Last Year Surfaced
100%	100%
	Comments

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$3 * 381494.04 / 60 * 25 * 1.1$	\$524,554
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 2112 * 47.59 / 20 * 25$	\$376,913
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 6615.75 / 60 * 25$	\$8,270
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$93.2 * 34.8 * 173 / 80 * 25 * 1.15$	\$201,646
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$48 * 1750 / 25 * 25$	\$84,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + RR Crossing Protection + RR Crossing Surface	$\$0 + \$524,554 + \$376,913 + \$8,270 + \$201,646 + \$2,000 + \$84,000$	\$1,197,383

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-645-040**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.2	Segment Length	3.2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 9 TO TH 102	Termini	TH 9 TO TH 102
55	Present AADT	55
2017	Year of Count	2017
1.2	Projection Factor	1.2
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
92449	Structure Number	92449
17.67	Milepoint	17.67
1966	Year Built	1966
CO DITCH # 15	Feature Crossed	CO DITCH # 15
	Type of Service	
	Number of Spans	
50	Bridge Length	50
32.4	Bridge Width	32.4
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Culvert Information**

Status: Original

Original		Current
60J13	Structure Number	60J13
19.19	Milepoint	19.19
2000	Year Built	2000
BURNHAM CREEK	Feature Crossed	BURNHAM CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Barrels	3
10	Culvert Width	10
4	Culvert Height	4
40	Culvert Length	40
120	Area of Waterway Opening	120
100%	Shared Structure	100%
2014 - AWW MISSING, WAS INSTALLED 1999 SAP 060-645-019 METRIC PLANSET, JP	Comments	2014 - AWW MISSING, WAS INSTALLED 1999 SAP 060-645-019 METRIC PLANSET, JP
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result



Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$3.2 * 190747.02 / 60 * 25 * 1.1$	\$279,762
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$3.2 * 546 * 10.75 / 2 * 25$	\$234,780
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$3.2 * 0 / 60 * 25$	\$0
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$50 * 32.4 * 173 / 80 * 25 * 1.15$	\$100,718
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$40 * 120 * 18.01 / 100 * 25 * 1.15$	\$24,854
Total Segment Cost	Construction + Preservation + ROW + Bridge + Culvert	$\$279,762 + \$234,780 + \$0 + \$100,718 + \$24,854$	\$640,114

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-645-050**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.8	Segment Length	1.8
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 102 TO CSAH 46	Termini	TH 102 TO CSAH 46
45	Present AADT	45
2017	Year of Count	2017
1.2	Projection Factor	1.2
54	Projected Traffic	54
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60J44	Structure Number	60J44
19.76	Milepoint	19.76
2002	Year Built	2002
Burnham Creek	Feature Crossed	Burnham Creek
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
4	Culvert Height	4
54	Culvert Length	54
80.00053397	Area of Waterway Opening	80.00053397
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.8 * 190747.02 / 60 * 25 * 1.1	\$157,366
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.8 * 546 * 10.75 / 2 * 25	\$132,064
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.8 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 80.00053397 * 18.01 / 100 * 25 * 1.15	\$22,369
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$157,366 + \$132,064 + \$0 + \$22,369	\$311,799

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-645-060**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
5.5	Segment Length	5.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 46 TO 5.5 MILES EAST	Termini	CSAH 46 TO 5.5 MILES EAST
45	Present AADT	45
2017	Year of Count	2017
1.2	Projection Factor	1.2
54	Projected Traffic	54
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.5 * 190747.02 / 60 * 25 * 1.1	\$480,841
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.5 * 546 * 10.75 / 2 * 25	\$403,528
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.5 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$480,841 + \$403,528 + \$0</b>	<b>\$884,369</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-645-070**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.5	Segment Length	3.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
5.5 MI E CSAH 46 TO TH 32	Termini	5.5 MI E CSAH 46 TO TH 32
25	Present AADT	25
2017	Year of Count	2017
1.2	Projection Factor	1.2
30	Projected Traffic	30
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1995	Latest Year SA funds	1995
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.5 * 190747.02 / 60 * 25 * 1.1	\$305,990
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.5 * 546 * 10.75 / 2 * 25	\$256,791
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.5 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$305,990 + \$256,791 + \$0</b>	<b>\$562,781</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-645-080

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.2	Segment Length	5.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 32 TO W LIMS MENTOR	Termini	TH 32 TO W LIMS MENTOR
145	Present AADT	145
2017	Year of Count	2017
1.2	Projection Factor	1.2
174	Projected Traffic	174
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081665S	USDOT Number	081665S
2.5	Located at Milepoint	2.5
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
48	Crossing Length	48
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.2 * 381494.04 / 60 * 25 * 1.1	\$909,227
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.2 * 2112 * 47.59 / 20 * 25	\$653,316
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.2 * 6615.75 / 60 * 25	\$14,334
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	48 * 1750 / 25 * 25	\$84,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$909,227 + \$653,316 + \$14,334 + \$2,000 + \$84,000	\$1,662,877

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-645-090**

**Original**

**Current**

MENTOR	Municipality	MENTOR
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIMS MENTOR TO CSAH 12	Termini	W LIMS MENTOR TO CSAH 12
145	Present AADT	145
2017	Year of Count	2017
1.2	Projection Factor	1.2
174	Projected Traffic	174
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 381494.04 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.59 / 20 * 25	\$62,819
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 6615.75 / 60 * 25	\$1,378
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$87,426 + \$62,819 + \$1,378</b>	<b>\$151,623</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-645-100

Original		Current
MENTOR	Municipality	MENTOR
0.39	Segment Length	0.39
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO TH 2	Termini	CSAH 12 TO TH 2
195	Present AADT	195
2017	Year of Count	2017
1.2	Projection Factor	1.2
234	Projected Traffic	234
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
60K18	Structure Number	60K18
	Milepoint	
2003	Year Built	2003
CO DITCH #14	Feature Crossed	CO DITCH #14
	Type of Service	
2	Number of Barrels	2
6	Culvert Width	6
4	Culvert Height	4
70	Culvert Length	70
34.99989724	Area of Waterway Opening	34.99989724
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.39 * 381494.04 / 60 * 25 * 1.1	\$68,192
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.39 * 2112 * 47.59 / 20 * 25	\$48,999
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.39 * 6615.75 / 60 * 25	\$1,075
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	70 * 34.99989724 * 18.01 / 100 * 25 * 1.15	\$12,686
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$68,192 + \$48,999 + \$1,075 + \$12,686	\$130,952

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-646-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.6	Segment Length	1.6
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 102 TO CSAH 45	Termini	TH 102 TO CSAH 45
25	Present AADT	25
2017	Year of Count	2017
1.2	Projection Factor	1.2
30	Projected Traffic	30
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.6 * 190747.02 / 60 * 25 * 1.1	\$139,881
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.6 * 546 * 10.75 / 2 * 25	\$117,390
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.6 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$139,881 + \$117,390 + \$0</b>	<b>\$257,271</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-646-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 45 TO 3.0 MILES NORTH	Termini	CSAH 45 TO 3.0 MILES NORTH
25	Present AADT	25
2017	Year of Count	2017
1.2	Projection Factor	1.2
30	Projected Traffic	30
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**RailRoadCrossing Information**

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081651J	USDOT Number	081651J
3	Located at Milepoint	3
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
32	Crossing Length	32
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$3 * 190747.02 / 60 * 25 * 1.1$	\$262,277
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 546 * 10.75 / 2 * 25$	\$220,106
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 0 / 60 * 25$	\$0
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$32 * 1750 / 25 * 25$	\$56,000
Total Segment Cost	Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	$\$262,277 + \$220,106 + \$0 + \$2,000 + \$56,000$	\$540,383

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-646-030**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3.0 M N CSAH 45 TO TH 2	Termini	3.0 M N CSAH 45 TO TH 2
25	Present AADT	25
2017	Year of Count	2017
1.2	Projection Factor	1.2
30	Projected Traffic	30
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 190747.02 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 546 * 10.75 / 2 * 25	\$73,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$87,426 + \$73,369 + \$0</b>	<b>\$160,795</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-646-040**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO CSAH 11	Termini	TH 2 TO CSAH 11
2000	Present AADT	2000
2017	Year of Count	2017
1.2	Projection Factor	1.2
2400	Projected Traffic	2400
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SP 060-646-007 OL	Comments	2012 SP 060-646-007 OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 1098967.83 / 60 * 25 * 1.1	\$1,007,387
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2376 * 47.59 / 20 * 25	\$282,685
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 82442.62 / 60 * 25	\$68,702
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$1,007,387 + \$282,685 + \$68,702</b>	<b>\$1,358,774</b>

**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-648-010</b>
<b>Original</b>	<b>Current</b>	
Unassigned/Unknown	Municipality	Unassigned/Unknown
9.6	Segment Length	9.6
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 51 TO CSAH 45	Termini	CSAH 51 TO CSAH 45
40	Present AADT	40
2017	Year of Count	2017
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
91327	Structure Number	91327
5.13	Milepoint	5.13
1977	Year Built	1977
CO DITCH # 79	Feature Crossed	CO DITCH # 79
	Type of Service	
3	Number of Barrels	3
12	Culvert Width	12
8	Culvert Height	8
60	Culvert Length	60
197.99978772	Area of Waterway Opening	197.99978772
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
95288	Structure Number	95288
1.34	Milepoint	1.34
1981	Year Built	1981
MAPLE CREEK	Feature Crossed	MAPLE CREEK
	Type of Service	
3	Number of Barrels	3
10	Culvert Width	10
6	Culvert Height	6
72	Culvert Length	72
132.99982479	Area of Waterway Opening	132.99982479
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
95741	Structure Number	95741
9.52	Milepoint	9.52

1985	Year Built	1985
CO DITCH # 15	Feature Crossed	CO DITCH # 15
	Type of Service	
3	Number of Barrels	3
10	Culvert Width	10
7	Culvert Height	7
62	Culvert Length	62
155.00016	Area of Waterway Opening	155.00016
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

### Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$9.6 * 190747.02 / 60 * 25 * 1.1$	\$839,287
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$9.6 * 546 * 10.75 / 2 * 25$	\$704,340
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$9.6 * 0 / 60 * 25$	\$0
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$60 * 197.99978772 * 18.01 / 100 * 25 * 1.15$	\$61,513
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$72 * 132.99982479 * 18.01 / 100 * 25 * 1.15$	\$49,583
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$62 * 155.00016 * 18.01 / 100 * 25 * 1.15$	\$49,759
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert + Culvert	$\$839,287 + \$704,340 + \$0 + \$61,513 + \$49,583 + \$49,759$	\$1,704,482

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-648-011**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 45 TO TH 102	Termini	CSAH 45 TO TH 102
40	Present AADT	40
2017	Year of Count	2017
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1985	Latest Year SA funds	1985
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINTSTATE FULL NEEDS 2011	Comments	REINTSTATE FULL NEEDS 2011
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 190747.02 / 60 * 25 * 1.1	\$17,485
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 546 * 10.75 / 2 * 25	\$14,674
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$17,485 + \$14,674 + \$0</b>	<b>\$32,159</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-649-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM TH 2 TO CSAH 12	Termini	FROM TH 2 TO CSAH 12
290	Present AADT	290
2017	Year of Count	2017
1.2	Projection Factor	1.2
348	Projected Traffic	348
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2007, SAP 60-649-007	Comments	OVERLAYED IN 2007, SAP 60-649-007
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
97317	Structure Number	97317
6.107	Milepoint	6.107
1992	Year Built	1992
CO DITCH # 14	Feature Crossed	CO DITCH # 14
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
5	Culvert Height	5
76	Culvert Length	76
120.00026276	Area of Waterway Opening	120.00026276
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 381494.04 / 60 * 25 * 1.1	\$1,049,109
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 47.59 / 20 * 25	\$753,826
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 6615.75 / 60 * 25	\$16,539
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	76 * 120.00026276 * 18.01 / 100 * 25 * 1.15	\$47,222

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$1,049,109 + \$753,826 + \$16,539 + \$47,222</b>	<b>\$1,866,696</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-650-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.5	Segment Length	1.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO 1.5 MILES NORTH	Termini	TH 2 TO 1.5 MILES NORTH
80	Present AADT	80
2017	Year of Count	2017
1.2	Projection Factor	1.2
96	Projected Traffic	96
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-650-003 OL	Comments	2017 SAP 060-650-003 OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.5 * 381494.04 / 60 * 25 * 1.1	\$262,277
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.5 * 2112 * 47.59 / 20 * 25	\$188,456
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.5 * 6615.75 / 60 * 25	\$4,135
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$262,277 + \$188,456 + \$4,135</b>	<b>\$454,868</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-651-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
9	Segment Length	9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO CSAH 14	Termini	TH 75 TO CSAH 14
40	Present AADT	40
2017	Year of Count	2017
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2000	Comments	CONSTRUCTED IN 2000
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60524	Structure Number	60524
1.65	Milepoint	1.65
1977	Year Built	1977
SAND HILL RIVER	Feature Crossed	SAND HILL RIVER
	Type of Service	
	Number of Spans	
157	Bridge Length	157
37.3	Bridge Width	37.3
100%	Shared Structure	100%
	Comments	
2 ( 150-999,999 )	Bridge Group Code	2 ( 150-999,999 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	9 * 190747.02 / 60 * 25 * 1.1	\$786,831
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	9 * 546 * 10.75 / 2 * 25	\$660,319
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	9 * 0 / 60 * 25	\$0
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	157 * 37.3 * 141 / 80 * 25 * 1.15	\$296,740
Total Segment Cost	Construction + Preservation + ROW + Bridge	\$786,831 + \$660,319 + \$0 + \$296,740	\$1,743,890

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-651-011

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
4.2	Segment Length	4.2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 14 TO TH 9	Termini	CSAH 14 TO TH 9
40	Present AADT	40
2017	Year of Count	2017
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1998	Latest Year SA funds	1998
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

**Original**

**Current**

60L01	Structure Number	60L01
12.91	Milepoint	12.91
2007	Year Built	2007
CD # 46 BRANCH	Feature Crossed	CD # 46 BRANCH
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
6	Culvert Height	6
66	Culvert Length	66
95.99999493	Area of Waterway Opening	95.99999493
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**RailRoadCrossing Information**

Status: Original

**Original**

**Current**

BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
071390J	USDOT Number	071390J
4.18	Located at Milepoint	4.18
10	Mainline Tracks	10
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
24	Crossing Length	24
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
--------------------	---------------------	-----------------------------	--------------------

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$4.2 * 190747.02 / 60 * 25 * 1.1$	\$367,188
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$4.2 * 546 * 10.75 / 2 * 25$	\$308,149
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$4.2 * 0 / 60 * 25$	\$0
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$66 * 95.99999493 * 18.01 / 100 * 25 * 1.15$	\$32,807
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$24 * 1750 / 25 * 25$	\$42,000
Total Segment Cost	Construction + Preservation + ROW + Culvert + RR Crossing Protection + RR Crossing Surface	$\$367,188 + \$308,149 + \$0 + \$32,807 + \$2,000 + \$42,000$	\$752,144

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-651-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.8	Segment Length	7.8
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 9 TO CSAH 44	Termini	TH 9 TO CSAH 44
40	Present AADT	40
2017	Year of Count	2017
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2000	Comments	CONSTRUCTED IN 2000
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60J52	Structure Number	60J52
15.47	Milepoint	15.47
2000	Year Built	2000
Maple Creek	Feature Crossed	Maple Creek
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
12	Culvert Width	12
4	Culvert Height	4
52	Culvert Length	52
95.99999493	Area of Waterway Opening	95.99999493
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information**

Status: Original

Original		Current
91881	Structure Number	91881
17.5	Milepoint	17.5
1978	Year Built	1978
MAPLE CREEK	Feature Crossed	MAPLE CREEK
	Type of Service	
2	Number of Barrels	2
9	Culvert Width	9
5	Culvert Height	5
60	Culvert Length	60
68.99982817	Area of Waterway Opening	68.99982817
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	$7.8 * 190747.02 / 60 * 25 * 1.1$	\$681,921
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	$7.8 * 546 * 10.75 / 2 * 25$	\$572,276
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	$7.8 * 0 / 60 * 25$	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	$52 * 95.99999493 * 18.01 / 100 * 25 * 1.15$	\$25,848
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	$60 * 68.99982817 * 18.01 / 100 * 25 * 1.15$	\$21,436
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert	$\$681,921 + \$572,276 + \$0 + \$25,848 + \$21,436$	\$1,301,481

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-653-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 11 TO EAST COUNTY LINE	Termini	CSAH 11 TO EAST COUNTY LINE
305	Present AADT	305
2017	Year of Count	2017
1.2	Projection Factor	1.2
366	Projected Traffic	366
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-070-010 Lighting at CSAH 11 & 53	Comments	2017 SAP 060-070-010 Lighting at CSAH 11 & 53
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 381494.04 / 60 * 25 * 1.1	\$524,554
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.59 / 20 * 25	\$376,913
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 6615.75 / 60 * 25	\$8,270
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$524,554 + \$376,913 + \$8,270</b>	<b>\$909,737</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-654-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 11 TO CSAH 57	Termini	CSAH 11 TO CSAH 57
150	Present AADT	150
2017	Year of Count	2017
1.2	Projection Factor	1.2
180	Projected Traffic	180
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-654-004 OL	Comments	2017 SAP 060-654-004 OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 381494.04 / 60 * 25 * 1.1	\$524,554
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.59 / 20 * 25	\$376,913
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 6615.75 / 60 * 25	\$8,270
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$524,554 + \$376,913 + \$8,270	\$909,737



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-655-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 13 TO E CO LINE	Termini	CSAH 13 TO E CO LINE
80	Present AADT	80
2017	Year of Count	2017
1.2	Projection Factor	1.2
96	Projected Traffic	96
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 060-655-003 OL	Comments	2015 SAP 060-655-003 OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 381494.04 / 60 * 25 * 1.1	\$174,851
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 47.59 / 20 * 25	\$125,638
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 6615.75 / 60 * 25	\$2,757
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$174,851 + \$125,638 + \$2,757</b>	<b>\$303,246</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-656-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 45 TO CSAH 9	Termini	CSAH 45 TO CSAH 9
10	Present AADT	10
2017	Year of Count	2017
1.2	Projection Factor	1.2
12	Projected Traffic	12
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 190747.02 / 60 * 25 * 1.1	\$437,129
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 546 * 10.75 / 2 * 25	\$366,844
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$437,129 + \$366,844 + \$0</b>	<b>\$803,973</b>

**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-657-010</b>
<b>Original</b>		<b>Current</b>
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO CSAH 13	Termini	TH 75 TO CSAH 13
205	Present AADT	205
2017	Year of Count	2017
1.2	Projection Factor	1.2
246	Projected Traffic	246
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED IN 2010	Comments	RECONSTRUCTED IN 2010
SAP 60-657-003		SAP 60-657-003
SEG SPLIT FOR CONST.		SEG SPLIT FOR CONST.
	Interchange Override	
	Segment Override	

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>		<b>Current</b>
92450	Structure Number	92450
4	Milepoint	4
1963	Year Built	1963
JUD DITCH # 60	Feature Crossed	JUD DITCH # 60
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
114	Culvert Length	114
55.00029983	Area of Waterway Opening	55.00029983
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>RailRoadCrossing Information</b>		<b>Status: Original</b>
<b>Original</b>		<b>Current</b>
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081791L	USDOT Number	081791L
0.2	Located at Milepoint	0.2
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
32	Crossing Length	32
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 381494.04 / 60 * 25 * 1.1	\$874,257
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.59 / 20 * 25	\$628,188
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 6615.75 / 60 * 25	\$13,783
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	114 * 55.00029983 * 18.01 / 100 * 25 * 1.15	\$32,465
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	32 * 1750 / 25 * 25	\$56,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + RR Crossing Protection + RR Crossing Surface	\$0 + \$874,257 + \$628,188 + \$13,783 + \$32,465 + \$2,000 + \$56,000	\$1,606,693

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-657-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2.6	Segment Length	2.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 13 TO N CO LINE	Termini	CSAH 13 TO N CO LINE
160	Present AADT	160
2017	Year of Count	2017
1.2	Projection Factor	1.2
192	Projected Traffic	192
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1974	Latest Year SA funds	1974
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
NEW SEGMENT	Comments	NEW SEGMENT
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.6 * 381494.04 / 60 * 25 * 1.1	\$454,614
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.6 * 2112 * 47.59 / 20 * 25	\$326,658
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.6 * 6615.75 / 60 * 25	\$7,167
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$454,614 + \$326,658 + \$7,167</b>	<b>\$788,439</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-658-010**

**Original**

**Current**

Unassigned/Unknown  
4.2  
MIXED BITUMINOUS  
2  
NOT DIVIDED  
TH 220 N TO CO RD 225  
270  
2017  
1.2  
324  
RURAL  
2 - RURAL : 150 - 1499  
2015  
0  
No Special Message  
2015 SAP 060-658-014 OL

Municipality  
Segment Length  
Existing Surface Type  
Existing Surface Lanes  
Existing Lane Description  
Termini  
Present AADT  
Year of Count  
Projection Factor  
Projected Traffic  
Design Type  
Design Group  
Latest Year SA funds  
Number of Signal Legs  
Special Message Code  
Comments  
Interchange Override  
Segment Override

Unassigned/Unknown  
4.2  
MIXED BITUMINOUS  
2  
NOT DIVIDED  
TH 220 N TO CO RD 225  
270  
2017  
1.2  
324  
RURAL  
2 ( RURAL : 150 - 1499 )  
2015  
0  
No Special Message  
2015 SAP 060-658-014 OL

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.2 * 381494.04 / 60 * 25 * 1.1	\$734,376
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.2 * 2112 * 47.59 / 20 * 25	\$527,678
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.2 * 6615.75 / 60 * 25	\$11,578
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$734,376 + \$527,678 + \$11,578</b>	<b>\$1,273,632</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-658-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.9	Segment Length	2.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 225 N TO CR 238	Termini	CO RD 225 N TO CR 238
820	Present AADT	820
2017	Year of Count	2017
1.2	Projection Factor	1.2
984	Projected Traffic	984
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
OVERLAYED IN 2010	Comments	OVERLAYED IN 2010
SAP 60-658-013		SAP 60-658-013
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60J36	Structure Number	60J36
6.24	Milepoint	6.24
2000	Year Built	2000
CO DITCH # 53	Feature Crossed	CO DITCH # 53
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
150	Culvert Length	150
69.99979448	Area of Waterway Opening	69.99979448
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.9 * 381494.04 / 60 * 25 * 1.1	\$507,069
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.9 * 2112 * 47.59 / 20 * 25	\$364,349
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.9 * 6615.75 / 60 * 25	\$7,994
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	150 * 69.99979448 * 18.01 / 100 * 25 * 1.15	\$54,368

<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$507,069 + \$364,349 + \$7,994 + \$54,368</b>	<b>\$933,780</b>
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**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-658-030**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.3	Segment Length	0.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CR 238 TO CSAH 72	Termini	CR 238 TO CSAH 72
820	Present AADT	820
2017	Year of Count	2017
1.2	Projection Factor	1.2
984	Projected Traffic	984
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
	Latest Year SA funds	
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2005	Comments	CONSTRUCTED IN 2005
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.3 * 381494.04 / 60 * 25 * 1.1	\$52,455
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 47.59 / 20 * 25	\$37,691
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 6615.75 / 60 * 25	\$827
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$52,455 + \$37,691 + \$827</b>	<b>\$90,973</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-659-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 220 TO CSAH 15	Termini	TH 220 TO CSAH 15
105	Present AADT	105
2017	Year of Count	2017
1.2	Projection Factor	1.2
126	Projected Traffic	126
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 060-659-003 OL	Comments	2015 SAP 060-659-003 OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
97526	Structure Number	97526
1.25	Milepoint	1.25
1992	Year Built	1992
UNNAMED COULEE	Feature Crossed	UNNAMED COULEE
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
84	Culvert Length	84
51.00043459	Area of Waterway Opening	51.00043459
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 381494.04 / 60 * 25 * 1.1	\$1,049,109
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 47.59 / 20 * 25	\$753,826
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 6615.75 / 60 * 25	\$16,539
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	84 * 51.00043459 * 18.01 / 100 * 25 * 1.15	\$22,182
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,049,109 + \$753,826 + \$16,539 + \$22,182	\$1,841,656

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-660-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.1	Segment Length	4.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO CSAH 63	Termini	TH 2 TO CSAH 63
110	Present AADT	110
2017	Year of Count	2017
1.2	Projection Factor	1.2
132	Projected Traffic	132
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1970	Latest Year SA funds	1970
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
92724	Structure Number	92724
1.975	Milepoint	1.975
1970	Year Built	1970
CO DITCH # 27	Feature Crossed	CO DITCH # 27
	Type of Service	
2	Number of Barrels	2
	Culvert Width	
	Culvert Height	
88	Culvert Length	88
88.00026445	Area of Waterway Opening	88.00026445
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information**

Status: Original

Original		Current
92744	Structure Number	92744
0.975	Milepoint	0.975
1970	Year Built	1970
CO DITCH # 34	Feature Crossed	CO DITCH # 34
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
48	Culvert Length	48
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.1 * 381494.04 / 60 * 25 * 1.1	\$716,891
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.1 * 2112 * 47.59 / 20 * 25	\$515,114
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.1 * 6615.75 / 60 * 25	\$11,302
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	88 * 88.00026445 * 18.01 / 100 * 25 * 1.15	\$40,098
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	48 * 65.99992924 * 18.01 / 100 * 25 * 1.15	\$16,403
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$716,891 + \$515,114 + \$11,302 + \$40,098 + \$16,403	\$1,299,808

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-660-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 63 TO CSAH 17	Termini	CSAH 63 TO CSAH 17
110	Present AADT	110
2017	Year of Count	2017
1.2	Projection Factor	1.2
132	Projected Traffic	132
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2010	Comments	REINSTATE FULL NEEDS IN 2010
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
95364	Structure Number	95364
5.965	Milepoint	5.965
1980	Year Built	1980
CO DITCH # 25	Feature Crossed	CO DITCH # 25
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
6	Culvert Height	6
52	Culvert Length	52
71.9997271	Area of Waterway Opening	71.9997271
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 381494.04 / 60 * 25 * 1.1	\$524,554
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.59 / 20 * 25	\$376,913
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 6615.75 / 60 * 25	\$8,270
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	52 * 71.9997271 * 18.01 / 100 * 25 * 1.15	\$19,386
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert</b>	<b>\$0 + \$524,554 + \$376,913 + \$8,270 + \$19,386</b>	<b>\$929,123</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-661-010**

**Original**

**Current**

FISHER	Municipality	FISHER
0.07	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
DEMERS TO THOMPSON AV	Termini	DEMERS TO THOMPSON AV
590	Present AADT	590
2017	Year of Count	2017
1.2	Projection Factor	1.2
708	Projected Traffic	708
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1974	Latest Year SA funds	1974
0	Number of Signal Legs	0
No Special Message mill and overlay 2019	Special Message Code	No Special Message mill and overlay 2019
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 2473473.86 / 60 * 25 * 1.15	\$82,964
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2904 * 47.59 / 15 * 25	\$16,123
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 80560.78 / 60 * 25	\$2,350
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$82,964 + \$16,123 + \$2,350</b>	<b>\$101,437</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-661-020**

Original		Current
FISHER	Municipality	FISHER
0.22	Segment Length	0.22
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
THOMPSON AVE TO PARK AVENUE	Termini	THOMPSON AVE TO PARK AVENUE
590	Present AADT	590
2017	Year of Count	2017
1.2	Projection Factor	1.2
708	Projected Traffic	708
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1974	Latest Year SA funds	1974
0	Number of Signal Legs	0
No Special Message mill and overlay 2019	Special Message Code Comments Interchange Override Segment Override	No Special Message mill and overlay 2019

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.22 * 2473473.86 / 60 * 25 * 1.15	\$260,745
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.22 * 2904 * 47.59 / 15 * 25	\$50,674
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.22 * 80560.78 / 60 * 25	\$7,385
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$260,745 + \$50,674 + \$7,385</b>	<b>\$318,804</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-661-021**

Original		Current
FISHER	Municipality	FISHER
0.02	Segment Length	0.02
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
PARK AVENUE TO 0.02 MILES EAST	Termini	PARK AVENUE TO 0.02 MILES EAST
590	Present AADT	590
2017	Year of Count	2017
1.2	Projection Factor	1.2
708	Projected Traffic	708
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1974	Latest Year SA funds	1974
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
Mill and overlay 2019	Comments	Mill and overlay 2019
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.02 * 2473473.86 / 60 * 25 * 1.15	\$23,704
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.02 * 2904 * 47.59 / 15 * 25	\$4,607
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.02 * 80560.78 / 60 * 25	\$671
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$23,704 + \$4,607 + \$671</b>	<b>\$28,982</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-661-022**

**Original**

**Current**

FISHER	Municipality	FISHER
0.13	Segment Length	0.13
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.02 MILE EAST OF PARK AVENUE TO 0.15 MI E OF PARK AVENUE	Termini	0.02 MILE EAST OF PARK AVENUE TO 0.15 MI E OF PARK AVENUE
590	Present AADT	590
2017	Year of Count	2017
1.2	Projection Factor	1.2
708	Projected Traffic	708
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1974	Latest Year SA funds	1974
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
Mill and overlay 2019	Comments	Mill and overlay 2019
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.13 * 2473473.86 / 60 * 25 * 1.15	\$154,077
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.13 * 2904 * 47.59 / 15 * 25	\$29,944
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.13 * 80560.78 / 60 * 25	\$4,364
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$154,077 + \$29,944 + \$4,364</b>	<b>\$188,385</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-661-030**

**Original**

**Current**

FISHER	Municipality	FISHER
0.09	Segment Length	0.09
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.15 MI E TO 0.24 MI E OF PARK AVE TO E LIMS FISHER	Termini	0.15 MI E TO 0.24 MI E OF PARK AVE TO E LIMS FISHER
80	Present AADT	80
2017	Year of Count	2017
1.2	Projection Factor	1.2
96	Projected Traffic	96
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2005 Mill and overlay 2019	Comments	REINSTATE FULL NEEDS IN 2005 Mill and overlay 2019
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.09 * 2473473.86 / 60 * 25 * 1.15	\$106,669
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.09 * 2904 * 47.59 / 15 * 25	\$20,730
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.09 * 80560.78 / 60 * 25	\$3,021
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$106,669 + \$20,730 + \$3,021</b>	<b>\$130,420</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-661-035**

**Original**

**Current**

FISHER	Municipality	FISHER
0.1	Segment Length	0.1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.24 MI E OF PARK AVE TO E LIM OF FISHER	Termini	0.24 MI E OF PARK AVE TO E LIM OF FISHER
80	Present AADT	80
2017	Year of Count	2017
1.2	Projection Factor	1.2
96	Projected Traffic	96
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.1 * 190747.02 / 60 * 25 * 1.1$	\$8,743
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.1 * 546 * 10.75 / 2 * 25$	\$7,337
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.1 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	$\$8,743 + \$7,337 + \$0$	\$16,080

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-661-039**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.9	Segment Length	7.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM FISHER TO TH 75	Termini	E LIM FISHER TO TH 75
110	Present AADT	110
2017	Year of Count	2017
1.2	Projection Factor	1.2
132	Projected Traffic	132
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
60J28	Structure Number	60J28
7.54	Milepoint	7.54
2006	Year Built	2006
CD # 1	Feature Crossed	CD # 1
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
	Culvert Width	
	Culvert Height	
141	Culvert Length	141
139.99958896	Area of Waterway Opening	139.99958896
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7.9 * 190747.02 / 60 * 25 * 1.1	\$690,663
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.9 * 546 * 10.75 / 2 * 25	\$579,613
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.9 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	141 * 139.99958896 * 18.01 / 100 * 25 * 1.15	\$102,211
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$690,663 + \$579,613 + \$0 + \$102,211	\$1,372,487

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-661-040**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO W LIM CROOKSTON	Termini	TH 75 TO W LIM CROOKSTON
1800	Present AADT	1800
2017	Year of Count	2017
1.2	Projection Factor	1.2
2160	Projected Traffic	2160
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
1996	Latest Year SA funds	1996
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2009	Comments	REINSTATE FULL NEEDS IN 2009
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 1098967.83 / 60 * 25 * 1.1	\$251,847
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2376 * 47.59 / 20 * 25	\$70,671
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 82442.62 / 60 * 25	\$17,176
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$251,847 + \$70,671 + \$17,176</b>	<b>\$339,694</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-661-050**

**Original**

**Current**

CROOKSTON	Municipality	CROOKSTON
0.26	Segment Length	0.26
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM CROOKSTON TO 0.26 MI E	Termini	W LIM CROOKSTON TO 0.26 MI E
1800	Present AADT	1800
2017	Year of Count	2017
1.2	Projection Factor	1.2
2160	Projected Traffic	2160
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
1996	Latest Year SA funds	1996
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.26 * 1098967.83 / 60 * 25 * 1.1	\$130,960
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.26 * 2376 * 47.59 / 20 * 25	\$36,749
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.26 * 82442.62 / 60 * 25	\$8,931
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$130,960 + \$36,749 + \$8,931</b>	<b>\$176,640</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-661-060**

Original		Current
CROOKSTON	Municipality	CROOKSTON
0.23	Segment Length	0.23
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.26 MI E OF W LIM CROOKSTON TO TH 2	Termini	0.26 MI E OF W LIM CROOKSTON TO TH 2
1800	Present AADT	1800
2017	Year of Count	2017
1.2	Projection Factor	1.2
2160	Projected Traffic	2160
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
1996	Latest Year SA funds	1996
1	Number of Signal Legs	1
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.23 * 1098967.83 / 60 * 25 * 1.1	\$115,850
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.23 * 2376 * 47.59 / 20 * 25	\$32,509
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.23 * 82442.62 / 60 * 25	\$7,901
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$38,281 + \$115,850 + \$32,509 + \$7,901</b>	<b>\$194,541</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-662-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 21 TO CSAH 67	Termini	CSAH 21 TO CSAH 67
50	Present AADT	50
2017	Year of Count	2017
1.2	Projection Factor	1.2
60	Projected Traffic	60
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1967	Latest Year SA funds	1967
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60511	Structure Number	60511
2	Milepoint	2
1968	Year Built	1968
CO DITCH # 2	Feature Crossed	CO DITCH # 2
	Type of Service	
	Number of Spans	
57.5	Bridge Length	57.5
31.5	Bridge Width	31.5
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 190747.02 / 60 * 25 * 1.1	\$174,851
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 0 / 60 * 25	\$0
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	57.5 * 31.5 * 173 / 80 * 25 * 1.15	\$112,609
Total Segment Cost	Construction + Preservation + ROW + Bridge	\$174,851 + \$146,738 + \$0 + \$112,609	\$434,198



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-662-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 67 TO CSAH 23	Termini	CSAH 67 TO CSAH 23
50	Present AADT	50
2017	Year of Count	2017
1.2	Projection Factor	1.2
60	Projected Traffic	60
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 190747.02 / 60 * 25 * 1.1	\$174,851
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$174,851 + \$146,738 + \$0</b>	<b>\$321,589</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-663-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.5	Segment Length	1.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO 1.5 MI E	Termini	TH 2 TO 1.5 MI E
40	Present AADT	40
2017	Year of Count	2017
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1983	Latest Year SA funds	1983
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2009	Comments	REINSTATE FULL NEEDS IN 2009
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.5 * 190747.02 / 60 * 25 * 1.1	\$131,139
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.5 * 546 * 10.75 / 2 * 25	\$110,053
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.5 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$131,139 + \$110,053 + \$0</b>	<b>\$241,192</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-663-021

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.5 MI E TO 2.0 MI E OF TH 2	Termini	1.5 MI E TO 2.0 MI E OF TH 2
40	Present AADT	40
2017	Year of Count	2017
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2005	Comments	REINSTATE FULL NEEDS IN 2005
	Interchange Override	
	Segment Override	

**Culvert Information**

Status: Original

Original		Current
93417	Structure Number	93417
1.77	Milepoint	1.77
1979	Year Built	1979
GRAND MARAIS RIVER	Feature Crossed	GRAND MARAIS RIVER
	Type of Service	
2	Number of Barrels	2
14	Culvert Width	14
8	Culvert Height	8
75	Culvert Length	75
162.99989048	Area of Waterway Opening	162.99989048
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 190747.02 / 60 * 25 * 1.1	\$43,713
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 546 * 10.75 / 2 * 25	\$36,684
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	75 * 162.99989048 * 18.01 / 100 * 25 * 1.15	\$63,299
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$43,713 + \$36,684 + \$0 + \$63,299	\$143,696

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-663-022**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.0 MI E OF TH 2 TO CSAH 18	Termini	2.0 MI E OF TH 2 TO CSAH 18
40	Present AADT	40
2017	Year of Count	2017
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1983	Latest Year SA funds	1983
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2009	Comments	REINSTATE FULL NEEDS IN 2009
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 190747.02 / 60 * 25 * 1.1	\$524,554
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 546 * 10.75 / 2 * 25	\$440,213
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$524,554 + \$440,213 + \$0</b>	<b>\$964,767</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-663-030**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 18 TO TH 75	Termini	CSAH 18 TO TH 75
10	Present AADT	10
2017	Year of Count	2017
1.2	Projection Factor	1.2
12	Projected Traffic	12
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1984	Latest Year SA funds	1984
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATE FULL NEEDS IN 2010	Comments	REINSTATE FULL NEEDS IN 2010
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7 * 190747.02 / 60 * 25 * 1.1	\$611,980
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 546 * 10.75 / 2 * 25	\$513,581
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$611,980 + \$513,581 + \$0</b>	<b>\$1,125,561</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-664-052**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
4.5	Segment Length	4.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.5 M N OF 23RD ST TO CSAH 21	Termini	0.5 M N OF 23RD ST TO CSAH 21
205	Present AADT	205
2017	Year of Count	2017
1.2	Projection Factor	1.2
246	Projected Traffic	246
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.5 * 381494.04 / 60 * 25 * 1.1	\$786,831
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.5 * 2112 * 47.59 / 20 * 25	\$565,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.5 * 6615.75 / 60 * 25	\$12,405
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$786,831 + \$565,369 + \$12,405</b>	<b>\$1,364,605</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-664-060**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 21 TO CSAH 22	Termini	CSAH 21 TO CSAH 22
35	Present AADT	35
2017	Year of Count	2017
1.2	Projection Factor	1.2
42	Projected Traffic	42
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1974	Latest Year SA funds	1974
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60519	Structure Number	60519
7.193	Milepoint	7.193
1974	Year Built	1974
GRAND MARAIS STATE DITCH	Feature Crossed	GRAND MARAIS STATE DITCH
	Type of Service	
	Number of Spans	
144.6	Bridge Length	144.6
36.1	Bridge Width	36.1
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Culvert Information**

Status: Original

Original		Current
93167	Structure Number	93167
7.406	Milepoint	7.406
1974	Year Built	1974
STREAM	Feature Crossed	STREAM
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
102	Culvert Length	102
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$5 * 190747.02 / 60 * 25 * 1.1$	\$437,129
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$5 * 546 * 10.75 / 2 * 25$	\$366,844
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$5 * 0 / 60 * 25$	\$0
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$144.6 * 36.1 * 173 / 80 * 25 * 1.15$	\$324,541
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$102 * 65.99992924 * 18.01 / 100 * 25 * 1.15$	\$34,857
Total Segment Cost	Construction + Preservation + ROW + Bridge + Culvert	$\$437,129 + \$366,844 + \$0 + \$324,541 + \$34,857$	\$1,163,371



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-665-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 220 TO CO RD 227	Termini	TH 220 TO CO RD 227
145	Present AADT	145
2017	Year of Count	2017
1.2	Projection Factor	1.2
174	Projected Traffic	174
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1970	Latest Year SA funds	1970
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60516	Structure Number	60516
1.67	Milepoint	1.67
1969	Year Built	1969
GRAND MARAIS RIVER	Feature Crossed	GRAND MARAIS RIVER
	Type of Service	
	Number of Spans	
68.6	Bridge Length	68.6
36	Bridge Width	36
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 381494.04 / 60 * 25 * 1.1	\$1,049,109
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 47.59 / 20 * 25	\$753,826
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 6615.75 / 60 * 25	\$16,539
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	68.6 * 36 * 173 / 80 * 25 * 1.15	\$153,540
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,049,109 + \$753,826 + \$16,539 + \$153,540	\$1,973,014

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-665-020**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 227 TO CSAH 20	Termini	CO RD 227 TO CSAH 20
80	Present AADT	80
2017	Year of Count	2017
1.2	Projection Factor	1.2
96	Projected Traffic	96
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1970	Latest Year SA funds	1970
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 190747.02 / 60 * 25 * 1.1	\$437,129
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 546 * 10.75 / 2 * 25	\$366,844
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$437,129 + \$366,844 + \$0</b>	<b>\$803,973</b>

**SANEEDS - CSAH - Segment Report**

Roadway Segment Information		Status : Original
County Name :	POLK	Segment Nbr : 060-666-004
Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 17 TO CSAH 21	Termini	CSAH 17 TO CSAH 21
410	Present AADT	410
2017	Year of Count	2017
1.2	Projection Factor	1.2
492	Projected Traffic	492
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 060-666-012 Pave on Grade	Comments	2018 SAP 060-666-012 Pave on Grade
GRADED IN 2001		GRADED IN 2001
SURFACED IN 2004 SAP 60-666-06		SURFACED IN 2004 SAP 60-666-06
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original		Current
60J37	Structure Number	60J37
1.02	Milepoint	1.02
2000	Year Built	2000
CO DITCH # 126	Feature Crossed	CO DITCH # 126
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
7	Culvert Height	7
62	Culvert Length	62
84.00039921	Area of Waterway Opening	84.00039921
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original		Current
60J75	Structure Number	60J75
1.99	Milepoint	1.99
2001	Year Built	2001
Co Ditch # 36	Feature Crossed	Co Ditch # 36
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
4	Culvert Height	4
66	Culvert Length	66
48.00053566	Area of Waterway Opening	48.00053566
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
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Original		Current
60J76	Structure Number	60J76
3	Milepoint	3
2001	Year Built	2001
Co Ditch # 37	Feature Crossed	Co Ditch # 37
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
4	Culvert Height	4
66	Culvert Length	66
48.00053566	Area of Waterway Opening	48.00053566
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information** Status: Original

Original		Current
60J77	Structure Number	60J77
4	Milepoint	4
2001	Year Built	2001
Co Ditch # 38	Feature Crossed	Co Ditch # 38
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
4	Culvert Height	4
66	Culvert Length	66
48.00053566	Area of Waterway Opening	48.00053566
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information** Status: Original

Original		Current
60J78	Structure Number	60J78
5.006	Milepoint	5.006
2001	Year Built	2001
Co Ditch # 39	Feature Crossed	Co Ditch # 39
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
56	Culvert Length	56
40	Area of Waterway Opening	40
100%	Shared Structure	100%
2014 - AWW MISSING, JP	Comments	2014 - AWW MISSING, JP
1	Culvert Group Code	1

**Culvert Information** Status: Original

Original		Current
60J79	Structure Number	60J79
6.015	Milepoint	6.015
2001	Year Built	2001
Co Ditch # 40	Feature Crossed	Co Ditch # 40
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
5	Culvert Width	5
3	Culvert Height	3
64	Culvert Length	64
22.00033521	Area of Waterway Opening	22.00033521
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7 * 381494.04 / 60 * 25 * 1.1	\$1,223,960
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 47.59 / 20 * 25	\$879,463
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 6615.75 / 60 * 25	\$19,296
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	62 * 84.00039921 * 18.01 / 100 * 25 * 1.15	\$26,967
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	66 * 48.00053566 * 18.01 / 100 * 25 * 1.15	\$16,404
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	66 * 48.00053566 * 18.01 / 100 * 25 * 1.15	\$16,404
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	66 * 48.00053566 * 18.01 / 100 * 25 * 1.15	\$16,404
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	56 * 40 * 18.01 / 100 * 25 * 1.15	\$11,598
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 22.00033521 * 18.01 / 100 * 25 * 1.15	\$7,291
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert + Culvert</b>	<b>\$0 + \$1,223,960 + \$879,463 + \$19,296 + \$26,967 + \$16,404 + \$16,404 + \$16,404 + \$11,598 + \$7,291</b>	<b>\$2,217,787</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-666-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 21 TO CSAH 23	Termini	CSAH 21 TO CSAH 23
410	Present AADT	410
2017	Year of Count	2017
1.2	Projection Factor	1.2
492	Projected Traffic	492
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
GRADED IN 2001, SURFACED IN 2008, SAP 60-666-11	Comments	GRADED IN 2001, SURFACED IN 2008, SAP 60-666-11
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60512	Structure Number	60512
9.09	Milepoint	9.09
1968	Year Built	1968
CO DITCH # 2	Feature Crossed	CO DITCH # 2
	Type of Service	
	Number of Spans	
54.5	Bridge Length	54.5
31.5	Bridge Width	31.5
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Culvert Information**

Status: Original

Original		Current
60J80	Structure Number	60J80
8.728	Milepoint	8.728
2001	Year Built	2001
Stream	Feature Crossed	Stream
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
5	Culvert Width	5
3	Culvert Height	3
60	Culvert Length	60
22.00033521	Area of Waterway Opening	22.00033521
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

**Culvert Information**

Status: Original

Original		Current
60J81	Structure Number	60J81
9.081	Milepoint	9.081
2001	Year Built	2001

Stream	Feature Crossed	Stream
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
5	Culvert Width	5
3	Culvert Height	3
66	Culvert Length	66
22.00033521	Area of Waterway Opening	22.00033521
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

### Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 381494.04 / 60 * 25 * 1.1	\$699,406
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 47.59 / 20 * 25	\$502,550
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 6615.75 / 60 * 25	\$11,026
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	54.5 * 31.5 * 173 / 80 * 25 * 1.15	\$106,734
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 22.00033521 * 18.01 / 100 * 25 * 1.15	\$6,835
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	66 * 22.00033521 * 18.01 / 100 * 25 * 1.15	\$7,518
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert + Culvert	\$0 + \$699,406 + \$502,550 + \$11,026 + \$106,734 + \$6,835 + \$7,518	\$1,334,069

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-666-020**

<b>Original</b>		<b>Current</b>
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.5	Segment Length	6.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 23 TO NORTH COUNTY LINE	Termini	CSAH 23 TO NORTH COUNTY LINE
80	Present AADT	80
2017	Year of Count	2017
1.2	Projection Factor	1.2
96	Projected Traffic	96
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SURFACED IN 2008, SAP 60-666-11	Comments	SURFACED IN 2008, SAP 60-666-11
	Interchange Override	
	Segment Override	

**Bridge Information**

**Status: Original**

<b>Original</b>		<b>Current</b>
60525	Structure Number	60525
12.71	Milepoint	12.71
1978	Year Built	1978
JUD DITCH # 75	Feature Crossed	JUD DITCH # 75
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
60.5	Bridge Length	60.5
36	Bridge Width	36
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Bridge Information**

**Status: Original**

<b>Original</b>		<b>Current</b>
60529	Structure Number	60529
13.12	Milepoint	13.12
1979	Year Built	1979
JUD DITCH # 75	Feature Crossed	JUD DITCH # 75
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
51.6	Bridge Length	51.6
32.3	Bridge Width	32.3
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Bridge Information**

**Status: Original**

<b>Original</b>		<b>Current</b>
60535	Structure Number	60535
16.12	Milepoint	16.12
1995	Year Built	1995
JUD DITCH # 1	Feature Crossed	JUD DITCH # 1
	Type of Service	
	Number of Spans	



48.8	Bridge Length	48.8
35.3	Bridge Width	35.3
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

### Culvert Information

Status: Original

Original		Current
60J82	Structure Number	60J82
12.62	Milepoint	12.62
2002	Year Built	2002
Coulee	Feature Crossed	Coulee
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
5	Culvert Width	5
3	Culvert Height	3
56	Culvert Length	56
22.00033521	Area of Waterway Opening	22.00033521
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

### Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.5 * 381494.04 / 60 * 25 * 1.1	\$1,136,534
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.5 * 2112 * 47.59 / 20 * 25	\$816,644
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.5 * 6615.75 / 60 * 25	\$17,918
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	60.5 * 36 * 173 / 80 * 25 * 1.15	\$135,410
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	51.6 * 32.3 * 173 / 80 * 25 * 1.15	\$103,621
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	48.8 * 35.3 * 173 / 80 * 25 * 1.15	\$107,100
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	56 * 22.00033521 * 18.01 / 100 * 25 * 1.15	\$6,379
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge + Bridge + Culvert	\$0 + \$1,136,534 + \$816,644 + \$17,918 + \$135,410 + \$103,621 + \$107,100 + \$6,379	\$2,323,606

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-667-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 220 TO 1.0 MI E	Termini	TH 220 TO 1.0 MI E
40	Present AADT	40
2017	Year of Count	2017
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1967	Latest Year SA funds	1967
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CSAH 69 REVOKED AND DESIGNATED CSAH 67 IN 2001	Comments	CSAH 69 REVOKED AND DESIGNATED CSAH 67 IN 2001
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 190747.02 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 546 * 10.75 / 2 * 25	\$73,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$87,426 + \$73,369 + \$0	\$160,795

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-667-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.9	Segment Length	5.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1 MI E. OF TH 220 TO CR 230	Termini	1 MI E. OF TH 220 TO CR 230
40	Present AADT	40
2017	Year of Count	2017
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
1984	Latest Year SA funds	1984
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CSAH 69 WAS REVOKED AND DESIGNATED AS CSAH 67 IN 2001	Comments	CSAH 69 WAS REVOKED AND DESIGNATED AS CSAH 67 IN 2001
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60514	Structure Number	60514
6.84	Milepoint	6.84
1967	Year Built	1967
CO DITCH # 7	Feature Crossed	CO DITCH # 7
	Type of Service	
	Number of Spans	
69.2	Bridge Length	69.2
32.2	Bridge Width	32.2
100%	Shared Structure	100%
	Comments	
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.9 * 190747.02 / 60 * 25 * 1.1	\$515,812
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.9 * 546 * 10.75 / 2 * 25	\$432,876
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.9 * 0 / 60 * 25	\$0
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	69.2 * 32.2 * 173 / 80 * 25 * 1.15	\$138,534
Total Segment Cost	Construction + Preservation + ROW + Bridge	\$515,812 + \$432,876 + \$0 + \$138,534	\$1,087,222

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-667-030**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
5.1	Segment Length	5.1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
C.R. 230 TO T.H. 75	Termini	C.R. 230 TO T.H. 75
40	Present AADT	40
2017	Year of Count	2017
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CSAH 69 REVOKED AND DESIGNATED CSAH 67 IN 2001	Comments	CSAH 69 REVOKED AND DESIGNATED CSAH 67 IN 2001
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.1 * 190747.02 / 60 * 25 * 1.1	\$445,871
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.1 * 546 * 10.75 / 2 * 25	\$374,181
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.1 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$445,871 + \$374,181 + \$0	\$820,052

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-667-040**

Original	Current
Unassigned/Unknown	Unassigned/Unknown
5.9	5.9
AGGREGATE SURF	AGGREGATE SURF
2	2
NOT DIVIDED	NOT DIVIDED
TH 75 TO CSAH 68	TH 75 TO CSAH 68
45	45
2017	2017
1.2	1.2
54	54
RURAL	RURAL
1 - RURAL : 0 - 149	1 ( RURAL : 0 - 149 )
1984	1984
0	0
No Special Message	No Special Message
CSAH 69 REVOKED AND DESIGNATED AS CSAH 67 IN 2001	CSAH 69 REVOKED AND DESIGNATED AS CSAH 67 IN 2001
REINSTATED FULL NEEDS IN 2010	REINSTATED FULL NEEDS IN 2010
	Interchange Override
	Segment Override

**RailRoadCrossing Information**

Status: Original

Original	Current
BURLINGTON NORTHERN SANTA FE RAILWAY	BURLINGTON NORTHERN SANTA FE RAILWAY
081521M	081521M
0	0
1	1
SIGNS ONLY	SIGNS ONLY
32	32
100%	100%

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.9 * 190747.02 / 60 * 25 * 1.1	\$515,812
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.9 * 546 * 10.75 / 2 * 25	\$432,876
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.9 * 0 / 60 * 25	\$0
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	32 * 1750 / 25 * 25	\$56,000
Total Segment Cost	Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$515,812 + \$432,876 + \$0 + \$2,000 + \$56,000	\$1,006,688

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-668-005**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 23 TO CSAH 67	Termini	CSAH 23 TO CSAH 67
90	Present AADT	90
2017	Year of Count	2017
1.2	Projection Factor	1.2
108	Projected Traffic	108
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 060-668-004 M&OL	Comments	2016 SAP 060-668-004 M&OL
CSAH 69 REVOKED AND DESIGNATED AS CSAH 68 IN 2001		CSAH 69 REVOKED AND DESIGNATED AS CSAH 68 IN 2001
REINSTATED FULL NEEDS IN 2010		REINSTATED FULL NEEDS IN 2010
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 381494.04 / 60 * 25 * 1.1	\$349,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.59 / 20 * 25	\$251,275
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 6615.75 / 60 * 25	\$5,513
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$349,703 + \$251,275 + \$5,513	\$606,491

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-668-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.5	Segment Length	2.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 67 TO NO CO LINE	Termini	CSAH 67 TO NO CO LINE
90	Present AADT	90
2017	Year of Count	2017
1.2	Projection Factor	1.2
108	Projected Traffic	108
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 060-668-004 M&OL	Comments	2016 SAP 060-668-004 M&OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.5 * 381494.04 / 60 * 25 * 1.1	\$437,129
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 2112 * 47.59 / 20 * 25	\$314,094
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 6615.75 / 60 * 25	\$6,891
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$437,129 + \$314,094 + \$6,891</b>	<b>\$758,114</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-670-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.5	Segment Length	3.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 22 TO N CO LINE	Termini	CSAH 22 TO N CO LINE
95	Present AADT	95
2017	Year of Count	2017
1.2	Projection Factor	1.2
114	Projected Traffic	114
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 SAP 060-670-004 OL BIT OVERLAY, AGG. SHOULDERS	Comments	2013 SAP 060-670-004 OL BIT OVERLAY, AGG. SHOULDERS
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
60560	Structure Number	60560
2	Milepoint	2
1972	Year Built	1972
JUD DITCH # 1	Feature Crossed	JUD DITCH # 1
	Type of Service	
3	Number of Spans	3
144.74	Bridge Length	144.74
36.5	Bridge Width	36.5
100%	Shared Structure	100%
2012 SP 060-670-003 BR# 60560 CONSTRUCTED IN 2012	Comments	2012 SP 060-670-003 BR# 60560 CONSTRUCTED IN 2012
1 ( 0-149 )	Bridge Group Code	1 ( 0-149 )

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.5 * 381494.04 / 60 * 25 * 1.1	\$611,980
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.5 * 2112 * 47.59 / 20 * 25	\$439,732
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.5 * 6615.75 / 60 * 25	\$9,648
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	144.74 * 36.5 * 173 / 80 * 25 * 1.15	\$328,455
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$611,980 + \$439,732 + \$9,648 + \$328,455	\$1,389,815



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-671-010**

Original		Current
CROOKSTON	Municipality	CROOKSTON
0.25	Segment Length	0.25
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO E LIMS OF CROOKSTON	Termini	TH 75 TO E LIMS OF CROOKSTON
800	Present AADT	800
2017	Year of Count	2017
1.2	Projection Factor	1.2
960	Projected Traffic	960
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-671-006 M&OL	Comments	2017 SAP 060-671-006 M&OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.25 * 2473473.86 / 60 * 25 * 1.15	\$296,302
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.25 * 2904 * 47.59 / 15 * 25	\$57,584
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.25 * 80560.78 / 60 * 25	\$8,392
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$296,302 + \$57,584 + \$8,392	\$362,278

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-671-011**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.1	Segment Length	0.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM E. LIMITS OF CROOKSTON TO 0.10 MI. EAST	Termini	FROM E. LIMITS OF CROOKSTON TO 0.10 MI. EAST
350	Present AADT	350
2017	Year of Count	2017
1.2	Projection Factor	1.2
420	Projected Traffic	420
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-671-006 M&OL	Comments	2017 SAP 060-671-006 M&OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.1 * 2473473.86 / 60 * 25 * 1.15	\$118,521
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2904 * 47.59 / 15 * 25	\$23,034
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 80560.78 / 60 * 25	\$3,357
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$118,521 + \$23,034 + \$3,357</b>	<b>\$144,912</b>

**SANEEDS - CSAH - Segment Report**

<b>Roadway Segment Information</b>		<b>Status : Original</b>
<b>County Name :</b>	<b>POLK</b>	<b>Segment Nbr : 060-671-020</b>
<b>Original</b>	<b>Current</b>	
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.2	Segment Length	1.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.10 MI. E OF E. LIMITS OF CROOKSTON TO N LIM CROOKSTON	Termini	0.10 MI. E OF E. LIMITS OF CROOKSTON TO N LIM CROOKSTON
350	Present AADT	350
2017	Year of Count	2017
1.2	Projection Factor	1.2
420	Projected Traffic	420
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-671-006 M&OL	Comments	2017 SAP 060-671-006 M&OL
	Interchange Override	
	Segment Override	

<b>Culvert Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
60J39	Structure Number	60J39
	Milepoint	
1999	Year Built	1999
CO DITCH #60	Feature Crossed	CO DITCH #60
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
54	Culvert Length	54
1.99993262	Area of Waterway Opening	1.99993262
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

<b>RailRoadCrossing Information</b>		<b>Status: Original</b>
<b>Original</b>	<b>Current</b>	
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081589B	USDOT Number	081589B
0.1	Located at Milepoint	0.1
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
36	Crossing Length	36
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.2 * 381494.04 / 60 * 25 * 1.1	\$209,822
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.2 * 2112 * 47.59 / 20 * 25	\$150,765
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.2 * 6615.75 / 60 * 25	\$3,308
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 1.99993262 * 18.01 / 100 * 25 * 1.15	\$559
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	36 * 1750 / 25 * 25	\$63,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + RR Crossing Protection + RR Crossing Surface	\$0 + \$209,822 + \$150,765 + \$3,308 + \$559 + \$2,000 + \$63,000	\$429,454

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-671-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N LIMITS OF CROOKSTON TO CSAH 11	Termini	N LIMITS OF CROOKSTON TO CSAH 11
350	Present AADT	350
2017	Year of Count	2017
1.2	Projection Factor	1.2
420	Projected Traffic	420
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 060-671-006 M&OL	Comments	2017 SAP 060-671-006 M&OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 381494.04 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.59 / 20 * 25	\$62,819
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 6615.75 / 60 * 25	\$1,378
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$87,426 + \$62,819 + \$1,378</b>	<b>\$151,623</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-672-002**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.2	Segment Length	1.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S. LIMITS EGF TO TH 220	Termini	S. LIMITS EGF TO TH 220
1300	Present AADT	1300
2017	Year of Count	2017
1.2	Projection Factor	1.2
1560	Projected Traffic	1560
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 ( RURAL : 1500 - 6999 )
	Latest Year SA funds	
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONSTRUCTED IN 2005 UNDER SAP 60-672-002	Comments	CONSTRUCTED IN 2005 UNDER SAP 60-672-002
	Interchange Override	
	Segment Override	

**Bridge Information**

Status: Original

Original		Current
60547	Structure Number	60547
0.576	Milepoint	0.576
2004	Year Built	2004
	Feature Crossed	
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
341.5	Bridge Length	341.5
43.33	Bridge Width	43.33
100%	Shared Structure	100%
	Comments	
2 ( 150-999,999 )	Bridge Group Code	2 ( 150-999,999 )

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.2 * 1098967.83 / 60 * 25 * 1.1	\$604,432
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.2 * 2376 * 47.59 / 20 * 25	\$169,611
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.2 * 82442.62 / 60 * 25	\$41,221
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	341.5 * 43.33 * 141 / 80 * 25 * 1.15	\$749,802
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$604,432 + \$169,611 + \$41,221 + \$749,802	\$1,565,066

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-673-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
T.H. 2 TO CSAH 19	Termini	T.H. 2 TO CSAH 19
185	Present AADT	185
2017	Year of Count	2017
1.2	Projection Factor	1.2
222	Projected Traffic	222
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1998	Latest Year SA funds	1998
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 381494.04 / 60 * 25 * 1.1	\$174,851
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 47.59 / 20 * 25	\$125,638
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 6615.75 / 60 * 25	\$2,757
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$174,851 + \$125,638 + \$2,757</b>	<b>\$303,246</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-674-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM C.S.A.H. 2 TO THE POLK/CLEARWATER CO. LINE	Termini	FROM C.S.A.H. 2 TO THE POLK/CLEARWATER CO. LINE
130	Present AADT	130
2017	Year of Count	2017
1.2	Projection Factor	1.2
156	Projected Traffic	156
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 381494.04 / 60 * 25 * 1.1	\$349,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.59 / 20 * 25	\$251,275
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 6615.75 / 60 * 25	\$5,513
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$349,703 + \$251,275 + \$5,513</b>	<b>\$606,491</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-675-010**

**Original**

**Current**

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 6 TO CSAH 28	Termini	CSAH 6 TO CSAH 28
60	Present AADT	60
2017	Year of Count	2017
1.2	Projection Factor	1.2
72	Projected Traffic	72
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 ( RURAL : 0 - 149 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 190747.02 / 60 * 25 * 1.1	\$174,851
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 0 / 60 * 25	\$0
<b>Total Segment Cost</b>	<b>Construction + Preservation + ROW</b>	<b>\$174,851 + \$146,738 + \$0</b>	<b>\$321,589</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-676-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.1	Segment Length	1.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO CSAH 17	Termini	TH 2 TO CSAH 17
175	Present AADT	175
2017	Year of Count	2017
1.2	Projection Factor	1.2
210	Projected Traffic	210
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SURFACED IN 2005 UNDER SAP 60-676-002	Comments	SURFACED IN 2005 UNDER SAP 60-676-002
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.1 * 381494.04 / 60 * 25 * 1.1	\$192,337
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.1 * 2112 * 47.59 / 20 * 25	\$138,201
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.1 * 6615.75 / 60 * 25	\$3,032
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$192,337 + \$138,201 + \$3,032</b>	<b>\$333,570</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-701-010**

**Original**

**Current**

TRAIL	Municipality	TRAIL
0.14	Segment Length	0.14
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 92 TO SECOND AVE TRAIL	Termini	TH 92 TO SECOND AVE TRAIL
95	Present AADT	95
2017	Year of Count	2017
1.2	Projection Factor	1.2
114	Projected Traffic	114
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 060-701-002 OL	Comments	2012 SAP 060-701-002 OL
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.14 * 2473473.86 / 60 * 25 * 1.15	\$165,929
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.14 * 2904 * 47.59 / 15 * 25	\$32,247
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.14 * 80560.78 / 60 * 25	\$4,699
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$165,929 + \$32,247 + \$4,699</b>	<b>\$202,875</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-702-010**

**Original**

**Current**

LENGBY	Municipality	LENGBY
0.17	Segment Length	0.17
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SPRING LAKE TO 2ND ST LENGBY	Termini	SPRING LAKE TO 2ND ST LENGBY
165	Present AADT	165
2017	Year of Count	2017
1.2	Projection Factor	1.2
198	Projected Traffic	198
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.17 * 381494.04 / 60 * 25 * 1.1	\$29,725
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.17 * 2112 * 47.59 / 20 * 25	\$21,358
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.17 * 6615.75 / 60 * 25	\$469
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$29,725 + \$21,358 + \$469</b>	<b>\$51,552</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-703-020**

Original		Current
FOSSTON	Municipality	FOSSTON
0.08	Segment Length	0.08
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N. JOHNSON AVE. TO N. KAISER AVE. ON 2ND	Termini	N. JOHNSON AVE. TO N. KAISER AVE. ON 2ND
1500	Present AADT	1500
2017	Year of Count	2017
1.2	Projection Factor	1.2
1800	Projected Traffic	1800
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2006	Latest Year SA funds	2006
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
MILL AND OVERLAY IN 2006 - SAP 60-703-02	Comments	MILL AND OVERLAY IN 2006 - SAP 60-703-02
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.08 * 2473473.86 / 60 * 25 * 1.15	\$94,816
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2904 * 47.59 / 15 * 25	\$18,427
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 80560.78 / 60 * 25	\$2,685
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$94,816 + \$18,427 + \$2,685	\$115,928

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-703-040**

Original		Current
FOSSTON	Municipality	FOSSTON
0.07	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO 2ND ON KAISER	Termini	TH 2 TO 2ND ON KAISER
640	Present AADT	640
2017	Year of Count	2017
1.2	Projection Factor	1.2
768	Projected Traffic	768
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1975	Latest Year SA funds	1975
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
MILL AND OVERLAY IN 2006, - SAP 60-703-02	Comments	MILL AND OVERLAY IN 2006, - SAP 60-703-02
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 2473473.86 / 60 * 25 * 1.15	\$82,964
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2904 * 47.59 / 15 * 25	\$16,123
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 80560.78 / 60 * 25	\$2,350
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$82,964 + \$16,123 + \$2,350</b>	<b>\$101,437</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-704-010**

Original		Current
MC INTOSH	Municipality	MC INTOSH
0.09	Segment Length	0.09
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CLEVELAND TO STATE ON 2ND ST SW	Termini	CLEVELAND TO STATE ON 2ND ST SW
215	Present AADT	215
2017	Year of Count	2017
1.2	Projection Factor	1.2
258	Projected Traffic	258
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1988	Latest Year SA funds	1988
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
USED MUNICIPALMAINTENANCE DOLLARS, 2007	Comments	USED MUNICIPALMAINTENANCE DOLLARS, 2007
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.09 * 2473473.86 / 60 * 25 * 1.15	\$106,669
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.09 * 2904 * 47.59 / 15 * 25	\$20,730
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.09 * 80560.78 / 60 * 25	\$3,021
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$106,669 + \$20,730 + \$3,021	\$130,420

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-704-020**

Original		Current
MC INTOSH	Municipality	MC INTOSH
0.06	Segment Length	0.06
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CLEVELAND TO STATE ON 1ST	Termini	CLEVELAND TO STATE ON 1ST
290	Present AADT	290
2017	Year of Count	2017
1.2	Projection Factor	1.2
348	Projected Traffic	348
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1988	Latest Year SA funds	1988
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
USED MUNICIPALMAINTENANCE DOLLARS, 2007	Comments	USED MUNICIPALMAINTENANCE DOLLARS, 2007
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.06 * 2473473.86 / 60 * 25 * 1.15	\$71,112
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.06 * 2904 * 47.59 / 15 * 25	\$13,820
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.06 * 80560.78 / 60 * 25	\$2,014
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$71,112 + \$13,820 + \$2,014</b>	<b>\$86,946</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-704-030**

Original		Current
MC INTOSH	Municipality	MC INTOSH
0.12	Segment Length	0.12
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 114 TO 1ST ST ON CLEVELAND AVE	Termini	CSAH 114 TO 1ST ST ON CLEVELAND AVE
800	Present AADT	800
2017	Year of Count	2017
1.2	Projection Factor	1.2
960	Projected Traffic	960
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
	Latest Year SA funds	
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
USED MUNICIPAL MAINTENANCE DOLLARS, 2007, 60-704-02`	Comments	USED MUNICIPAL MAINTENANCE DOLLARS, 2007, 60-704-02`
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.12 * 2473473.86 / 60 * 25 * 1.15	\$142,225
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.12 * 2904 * 47.59 / 15 * 25	\$27,640
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.12 * 80560.78 / 60 * 25	\$4,028
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$142,225 + \$27,640 + \$4,028	\$173,893

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-705-010**

**Original**

**Current**

ERSKINE	Municipality	ERSKINE
0.07	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
INTS ROSS & FIRST TO STATE ST	Termini	INTS ROSS & FIRST TO STATE ST
260	Present AADT	260
2017	Year of Count	2017
1.2	Projection Factor	1.2
312	Projected Traffic	312
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1993	Latest Year SA funds	1993
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATED FULL NEEDS	Comments	REINSTATED FULL NEEDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 2473473.86 / 60 * 25 * 1.15	\$82,964
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2904 * 47.59 / 15 * 25	\$16,123
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 80560.78 / 60 * 25	\$2,350
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$82,964 + \$16,123 + \$2,350</b>	<b>\$101,437</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-705-020**

**Original**

**Current**

ERSKINE	Municipality	ERSKINE
0.11	Segment Length	0.11
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
INTS FIRST & ROSS TO LAKE CAMERON	Termini	INTS FIRST & ROSS TO LAKE CAMERON
590	Present AADT	590
2017	Year of Count	2017
1.2	Projection Factor	1.2
708	Projected Traffic	708
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1993	Latest Year SA funds	1993
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
REINSTATED FULL NEEDS	Comments	REINSTATED FULL NEEDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.11 * 2473473.86 / 60 * 25 * 1.15	\$130,373
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.11 * 2904 * 47.59 / 15 * 25	\$25,337
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.11 * 80560.78 / 60 * 25	\$3,692
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$130,373 + \$25,337 + \$3,692</b>	<b>\$159,402</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name :

POLK

Segment Nbr : 060-706-010

**Original**

**Current**

MENTOR	Municipality	MENTOR
0.11	Segment Length	0.11
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3RD ST TO CSAH 113	Termini	3RD ST TO CSAH 113
190	Present AADT	190
2017	Year of Count	2017
1.2	Projection Factor	1.2
228	Projected Traffic	228
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.11 * 2473473.86 / 60 * 25 * 1.15	\$130,373
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.11 * 2904 * 47.59 / 15 * 25	\$25,337
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.11 * 80560.78 / 60 * 25	\$3,692
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$130,373 + \$25,337 + \$3,692	\$159,402

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-706-020**

**Original**

**Current**

MENTOR	Municipality	MENTOR
0.16	Segment Length	0.16
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 113 TO CSAH 45	Termini	CSAH 113 TO CSAH 45
190	Present AADT	190
2017	Year of Count	2017
1.2	Projection Factor	1.2
228	Projected Traffic	228
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.16 * 381494.04 / 60 * 25 * 1.1	\$27,976
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.16 * 2112 * 47.59 / 20 * 25	\$20,102
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.16 * 6615.75 / 60 * 25	\$441
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$27,976 + \$20,102 + \$441</b>	<b>\$48,519</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-707-010**

Original		Current
WINGER	Municipality	WINGER
0.07	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
MICHIGAN AVE TO DAKOTA AVE	Termini	MICHIGAN AVE TO DAKOTA AVE
130	Present AADT	130
2017	Year of Count	2017
1.2	Projection Factor	1.2
156	Projected Traffic	156
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1977	Latest Year SA funds	1977
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
MILL AND OVERLAY 2008 LOCAL FUNDS	Comments	MILL AND OVERLAY 2008 LOCAL FUNDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 2473473.86 / 60 * 25 * 1.15	\$82,964
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2904 * 47.59 / 15 * 25	\$16,123
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 80560.78 / 60 * 25	\$2,350
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$82,964 + \$16,123 + \$2,350</b>	<b>\$101,437</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : POLK Segment Nbr : 060-707-020

Original		Current
WINGER	Municipality	WINGER
0.14	Segment Length	0.14
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
DAKOTA AVE TO WISCONSIN AVE	Termini	DAKOTA AVE TO WISCONSIN AVE
260	Present AADT	260
2017	Year of Count	2017
1.2	Projection Factor	1.2
312	Projected Traffic	312
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1977	Latest Year SA funds	1977
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
MILL AND OVERLAY 2008 LOCAL FUNDS	Comments	MILL AND OVERLAY 2008 LOCAL FUNDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.14 * 2473473.86 / 60 * 25 * 1.15	\$165,929
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.14 * 2904 * 47.59 / 15 * 25	\$32,247
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.14 * 80560.78 / 60 * 25	\$4,699
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$165,929 + \$32,247 + \$4,699</b>	<b>\$202,875</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-708-010**

Original		Current
FERTILE	Municipality	FERTILE
0.23	Segment Length	0.23
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM FERTILE TO 2ND ST	Termini	W LIM FERTILE TO 2ND ST
390	Present AADT	390
2017	Year of Count	2017
1.2	Projection Factor	1.2
468	Projected Traffic	468
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
MILL AND OVERLAY 2008 LOCAL FUNDS	Comments	MILL AND OVERLAY 2008 LOCAL FUNDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.23 * 2473473.86 / 60 * 25 * 1.15	\$272,597
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.23 * 2904 * 47.59 / 15 * 25	\$52,977
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.23 * 80560.78 / 60 * 25	\$7,720
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$272,597 + \$52,977 + \$7,720</b>	<b>\$333,294</b>



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-708-020**

Original		Current
FERTILE	Municipality	FERTILE
0.17	Segment Length	0.17
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2ND ST TO BLAINE	Termini	2ND ST TO BLAINE
810	Present AADT	810
2017	Year of Count	2017
1.2	Projection Factor	1.2
972	Projected Traffic	972
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
MILL AND OVERLAY 2008 LOCAL FUNDS	Comments	MILL AND OVERLAY 2008 LOCAL FUNDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.17 * 381494.04 / 60 * 25 * 1.1	\$29,725
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.17 * 2112 * 47.59 / 20 * 25	\$21,358
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.17 * 6615.75 / 60 * 25	\$469
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$29,725 + \$21,358 + \$469</b>	<b>\$51,552</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

Status : Original

County Name : **POLK** Segment Nbr : **060-708-030**

Original		Current
FERTILE	Municipality	FERTILE
0.24	Segment Length	0.24
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
BLAINE TO E LIM FERTILE	Termini	BLAINE TO E LIM FERTILE
335	Present AADT	335
2017	Year of Count	2017
1.2	Projection Factor	1.2
402	Projected Traffic	402
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
MILL AND OVERLAY 2008 LOCAL FUNDS	Comments	MILL AND OVERLAY 2008 LOCAL FUNDS
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.24 * 2473473.86 / 60 * 25 * 1.15	\$284,449
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.24 * 2904 * 47.59 / 15 * 25	\$55,281
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.24 * 80560.78 / 60 * 25	\$8,056
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$284,449 + \$55,281 + \$8,056	\$347,786

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-709-010**

**Original**

**Current**

NIELSVILLE	Municipality	NIELSVILLE
0.14	Segment Length	0.14
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SPOKELIE FOURTH TO 2ND NIELSVIL	Termini	SPOKELIE FOURTH TO 2ND NIELSVIL
80	Present AADT	80
2017	Year of Count	2017
1.2	Projection Factor	1.2
96	Projected Traffic	96
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1994	Latest Year SA funds	1994
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.14 * 2473473.86 / 60 * 25 * 1.15	\$165,929
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.14 * 2904 * 47.59 / 15 * 25	\$32,247
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.14 * 80560.78 / 60 * 25	\$4,699
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$165,929 + \$32,247 + \$4,699</b>	<b>\$202,875</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-710-010**

**Original**

**Current**

CLIMAX	Municipality	CLIMAX
0.07	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO 0.07 M E	Termini	TH 75 TO 0.07 M E
155	Present AADT	155
2017	Year of Count	2017
1.2	Projection Factor	1.2
186	Projected Traffic	186
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1977	Latest Year SA funds	1977
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 2473473.86 / 60 * 25 * 1.15	\$82,964
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2904 * 47.59 / 15 * 25	\$16,123
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 80560.78 / 60 * 25	\$2,350
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$82,964 + \$16,123 + \$2,350</b>	<b>\$101,437</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-711-010**

**Original**

**Current**

FISHER	Municipality	FISHER
0.07	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
DEMERS TO THOMPSON	Termini	DEMERS TO THOMPSON
115	Present AADT	115
2017	Year of Count	2017
1.2	Projection Factor	1.2
138	Projected Traffic	138
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1974	Latest Year SA funds	1974
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
Mill and overlay 2019	Comments	Mill and overlay 2019
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 2473473.86 / 60 * 25 * 1.15	\$82,964
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2904 * 47.59 / 15 * 25	\$16,123
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 80560.78 / 60 * 25	\$2,350
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$82,964 + \$16,123 + \$2,350</b>	<b>\$101,437</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-711-020**

**Original**

**Current**

FISHER	Municipality	FISHER
0.09	Segment Length	0.09
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2 NO TO 3 RD	Termini	2 NO TO 3 RD
115	Present AADT	115
2017	Year of Count	2017
1.2	Projection Factor	1.2
138	Projected Traffic	138
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1974	Latest Year SA funds	1974
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
Mill and overlay 2019	Comments	Mill and overlay 2019
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.09 * 2473473.86 / 60 * 25 * 1.15	\$106,669
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.09 * 2904 * 47.59 / 15 * 25	\$20,730
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.09 * 80560.78 / 60 * 25	\$3,021
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$106,669 + \$20,730 + \$3,021</b>	<b>\$130,420</b>

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-712-010

Original	Current
BELTRAMI	BELTRAMI
0.3	0.3
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
W CORP LIM TO TH 9	W CORP LIM TO TH 9
205	205
2017	2017
1.2	1.2
246	246
URBAN	URBAN
5 - URBAN : 0 - 9999	5 ( URBAN : 0 - 9999 )
1989	1989
0	0
No Special Message	No Special Message
	Comments
	Interchange Override
	Segment Override

RailRoadCrossing Information

Status: Original

Original	Current
BURLINGTON NORTHERN SANTA FE RAILWAY	BURLINGTON NORTHERN SANTA FE RAILWAY
071386U	071386U
0.27	0.27
1	1
SIGNS ONLY	SIGNS ONLY
48	48
100%	100%
	Comments

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.3 * 2473473.86 / 60 * 25 * 1.15	\$355,562
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2904 * 47.59 / 15 * 25	\$69,101
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 80560.78 / 60 * 25	\$10,070
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	48 * 1750 / 25 * 25	\$84,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$355,562 + \$69,101 + \$10,070 + \$2,000 + \$84,000	\$520,733

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

POLK

Segment Nbr : 060-713-010

Original

Current

MENTOR	Municipality	MENTOR
0.25	Segment Length	0.25
PORT CEMENT CONC	Existing Surface Type	PORT CEMENT CONC
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W JCT TH 2 TO 0.25 E	Termini	W JCT TH 2 TO 0.25 E
50	Present AADT	50
2017	Year of Count	2017
1.2	Projection Factor	1.2
60	Projected Traffic	60
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY	Special Message Code	THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.25 * 381494.04 / 60 * 25 * 1.1	\$43,713
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.25 * 2112 * 47.59 / 20 * 25	\$31,409
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.25 * 6615.75 / 60 * 25	\$689
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$43,713 + \$31,409 + \$689	\$75,811



**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-713-020**

**Original**

**Current**

MENTOR	Municipality	MENTOR
0.21	Segment Length	0.21
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.25 MI E OF W JCT TH 2 TO CSAH 12	Termini	0.25 MI E OF W JCT TH 2 TO CSAH 12
50	Present AADT	50
2017	Year of Count	2017
1.2	Projection Factor	1.2
60	Projected Traffic	60
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY	Special Message Code	THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.21 * 381494.04 / 60 * 25 * 1.1	\$36,719
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.21 * 2112 * 47.59 / 20 * 25	\$26,384
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.21 * 6615.75 / 60 * 25	\$579
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$36,719 + \$26,384 + \$579</b>	<b>\$63,682</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-713-021**

**Original**

**Current**

MENTOR	Municipality	MENTOR
0.59	Segment Length	0.59
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO CSAH 10	Termini	CSAH 12 TO CSAH 10
365	Present AADT	365
2017	Year of Count	2017
1.2	Projection Factor	1.2
438	Projected Traffic	438
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1987	Latest Year SA funds	1987
0	Number of Signal Legs	0
THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY	Special Message Code	THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.59 * 381494.04 / 60 * 25 * 1.1	\$103,162
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.59 * 2112 * 47.59 / 20 * 25	\$74,126
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.59 * 6615.75 / 60 * 25	\$1,626
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$103,162 + \$74,126 + \$1,626</b>	<b>\$178,914</b>

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name :**

**POLK**

**Segment Nbr : 060-713-030**

**Original**

**Current**

MENTOR	Municipality	MENTOR
0.35	Segment Length	0.35
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 10 TO E JCT TH 2	Termini	CSAH 10 TO E JCT TH 2
135	Present AADT	135
2017	Year of Count	2017
1.2	Projection Factor	1.2
162	Projected Traffic	162
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
1987	Latest Year SA funds	1987
0	Number of Signal Legs	0
THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY	Special Message Code	THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.35 * 381494.04 / 60 * 25 * 1.1	\$61,198
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.35 * 2112 * 47.59 / 20 * 25	\$43,973
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.35 * 6615.75 / 60 * 25	\$965
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$61,198 + \$43,973 + \$965	\$106,136

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : POLK Segment Nbr : 060-714-010

Original		Current
MC INTOSH	Municipality	MC INTOSH
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W TO E JCT TH 2	Termini	W TO E JCT TH 2
485	Present AADT	485
2017	Year of Count	2017
1.2	Projection Factor	1.2
582	Projected Traffic	582
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 ( RURAL : 150 - 1499 )
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY	Special Message Code	THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY
USED MUNICIPAL MAINTENANCE DOLLARS, 2007, SAP 60-714-01	Comments	USED MUNICIPAL MAINTENANCE DOLLARS, 2007, SAP 60-714-01
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 381494.04 / 60 * 25 * 1.1	\$87,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.59 / 20 * 25	\$62,819
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 6615.75 / 60 * 25	\$1,378
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$87,426 + \$62,819 + \$1,378	\$151,623

**SANEEDS - CSAH - Segment Report**

**Roadway Segment Information**

**Status : Original**

**County Name : POLK Segment Nbr : 060-715-010**

Original		Current
FOSSTON	Municipality	FOSSTON
0.43	Segment Length	0.43
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO CSAH 6 ON S. HILLIGOSS BLVD.	Termini	CSAH 1 TO CSAH 6 ON S. HILLIGOSS BLVD.
385	Present AADT	385
2017	Year of Count	2017
1.2	Projection Factor	1.2
462	Projected Traffic	462
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 ( URBAN : 0 - 9999 )
1992	Latest Year SA funds	1992
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

**Segment Cost Information**

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.43 * 2473473.86 / 60 * 25 * 1.15	\$509,639
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.43 * 2904 * 47.59 / 15 * 25	\$99,044
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.43 * 80560.78 / 60 * 25	\$14,434
<b>Total Segment Cost</b>	<b>Signal Leg + Construction + Preservation + ROW</b>	<b>\$0 + \$509,639 + \$99,044 + \$14,434</b>	<b>\$623,117</b>