

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : KITTSON Segment Nbr : 035-601-010

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
TH 11 TO CSAH 7	Termini	TH 11 TO CSAH 7
265	Present AADT	265
2017	Year of Count	2017
1	Projection Factor	1
265	Projected Traffic	265
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 034-601-034 OL	Comments	2012 SAP 034-601-034 OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
91728	Structure Number	91728
1.65	Milepoint	1.65
1978	Year Built	1978
JUD DITCH # 10	Feature Crossed	JUD DITCH # 10
	Type of Service	
2	Number of Barrels	2
	Culvert Width	
	Culvert Height	
82	Culvert Length	82
240.00052552	Area of Waterway Opening	240.00052552
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
91917	Structure Number	91917
3.17	Milepoint	3.17
1980	Year Built	1980
STREAM	Feature Crossed	STREAM
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
66	Culvert Length	66
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 * 408805.73 / 60 * 25 * 1.1	\$936,846
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 45.26 / 20 * 25	\$597,432
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 10152.8 / 60 * 25	\$21,152
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	82 * 240.00052552 * 18.01 / 100 * 25 * 1.15	\$101,901
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	66 * 131.99985848 * 18.01 / 100 * 25 * 1.15	\$45,110
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$936,846 + \$597,432 + \$21,152 + \$101,901 + \$45,110	\$1,702,441

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-601-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 7 TO NO JCT CSAH 10	Termini	CSAH 7 TO NO JCT CSAH 10
365	Present AADT	365
2017	Year of Count	2017
1	Projection Factor	1
365	Projected Traffic	365
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 035-601-033	Comments	2012 SAP 035-601-033
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
35537	Structure Number	35537
6.84	Milepoint	6.84
2012	Year Built	2012
KENNEDY COULEE	Feature Crossed	KENNEDY COULEE
STREAM CROSSING	Type of Service	STREAM CROSSING
0	Number of Spans	0
184.416	Bridge Length	184.416
35.333	Bridge Width	35.333
100%	Shared Structure	100%
2012 SAP 035-601-033	Comments	2012 SAP 035-601-033
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Culvert Information

Status: Original

Original		Current
92274	Structure Number	92274
6.07	Milepoint	6.07
1967	Year Built	1967
STREAM	Feature Crossed	STREAM
	Type of Service	
2	Number of Barrels	2
	Culvert Width	
	Culvert Height	
128	Culvert Length	128
203.99958558	Area of Waterway Opening	203.99958558
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$6 * 408805.73 / 60 * 25 * 1.1$	\$1,124,216
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$6 * 2112 * 45.26 / 20 * 25$	\$716,918
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$6 * 10152.8 / 60 * 25$	\$25,382
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$184.416 * 35.333 * 141 / 80 * 25 * 1.15$	\$330,176
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$128 * 203.99958558 * 18.01 / 100 * 25 * 1.15$	\$135,204
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	$\$0 + \$1,124,216 + \$716,918 + \$25,382 + \$330,176 + \$135,204$	\$2,331,896

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : KITTSON Segment Nbr : 035-601-030

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
NO JCT CSAH 10 TO 0.25 MI SO OF CSAH 34	Termini	NO JCT CSAH 10 TO 0.25 MI SO OF CSAH 34
415	Present AADT	415
2017	Year of Count	2017
1	Projection Factor	1
415	Projected Traffic	415
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
PHASE 1 GRADING 2009, SAP 35-601-029	Comments	PHASE 1 GRADING 2009, SAP 35-601-029
PLAN TO DO BIT. SURFACING IN 2010		PLAN TO DO BIT. SURFACING 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	0.8 * 408805.73 / 60 * 25 * 1.1	\$149,895
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2112 * 45.26 / 20 * 25	\$95,589
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 10152.8 / 60 * 25	\$3,384
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$149,895 + \$95,589 + \$3,384	\$248,868

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-601-033

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
0.25 MI S TO 0.25 MI E OF CSAH 34	Termini	0.25 MI S TO 0.25 MI E OF CSAH 34
415	Present AADT	415
2017	Year of Count	2017
1	Projection Factor	1
415	Projected Traffic	415
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
WILL ADD 1 LIFT OF BIT. IN 2010 TO MATCH TO LAST YEARS GRADING	Comments	WILL ADD 1 LIFT OF BIT. IN 2010 TO MATCH TO LAST YEARS GRADING
THIS WORK WAS COMPLETED		THIS WORK WAS COMPLETED
	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 * 408805.73 / 60 * 25 * 1.1	\$93,685
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 45.26 / 20 * 25	\$59,743
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 10152.8 / 60 * 25	\$2,115
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$93,685 + \$59,743 + \$2,115	\$155,543

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-601-037

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
4.4	Segment Length	4.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.25 MI E OF CSAH 34 TO W. LIMITS OF HALLOCK MU	Termini	0.25 MI E OF CSAH 34 TO W. LIMITS OF HALLOCK MU
415	Present AADT	415
2017	Year of Count	2017
1	Projection Factor	1
415	Projected Traffic	415
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
PHASE 1 GRADING 2009, SAP 35-601-029 COMPLETED IN 2010	Comments	PHASE 1 GRADING 2009, SAP 35-601-029 COMPLETED 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	4.4 * 408805.73 / 60 * 25 * 1.1	\$824,425
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.4 * 2112 * 45.26 / 20 * 25	\$525,740
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.4 * 10152.8 / 60 * 25	\$18,613
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$824,425 + \$525,740 + \$18,613	\$1,368,778

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-601-040

Original

Current

HALLOCK	Municipality	HALLOCK
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
W LIM TO EMERSON AVE	Termini	W LIM TO EMERSON AVE
415	Present AADT	415
2017	Year of Count	2017
1	Projection Factor	1
415	Projected Traffic	415
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
PHASE 1 GRADING 2009, SAP 35-601-029	Comments	PHASE 1 GRADING 2009, SAP 35-601-029
COMPLETED PHASE II IN 2010		COMPLETED PHASE II 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	0.2 * 408805.73 / 60 * 25 * 1.1	\$37,474
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 45.26 / 20 * 25	\$23,897
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 10152.8 / 60 * 25	\$846
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$37,474 + \$23,897 + \$846	\$62,217

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-601-050

Original		Current
HALLOCK	Municipality	HALLOCK
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
EMERSON ST TO 0.03 MI W OF TH 75	Termini	EMERSON ST TO 0.03 MI W OF TH 75
740	Present AADT	740
2017	Year of Count	2017
1	Projection Factor	1
740	Projected Traffic	740
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
SURFACED DONE IN 2006. SAP 35-601-28	Comments	SURFACED DONE IN 2006. SAP 35-601-28
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081608D	USDOT Number	081608D
0.24	Located at Milepoint	0.24
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
2006	Last Year Protection Upgraded	2006
72	Crossing Length	72
0	Last Year Surfaced	0
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	0.25 * 2836301.47 / 60 * 25 * 1.15	\$339,765
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.25 * 2904 * 45.26 / 15 * 25	\$54,765
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.25 * 87968.99 / 60 * 25	\$9,163
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	72 * 1750 / 25 * 25	\$126,000

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$339,765 + \$54,765 + \$9,163 + \$350,000 + \$126,000	\$879,693
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-601-051

Original		Current
HALLOCK	Municipality	HALLOCK
0.03	Segment Length	0.03
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.03 MI W TO TH 75	Termini	0.03 MI W TO TH 75
740	Present AADT	740
2017	Year of Count	2017
1	Projection Factor	1
740	Projected Traffic	740
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
SURFACED DONE IN 2006. SAP 35-601-28.	Comments	SURFACED DONE IN 2006. SAP 35-601-28.
	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	0.03 * 2836301.47 / 60 * 25 * 1.15	\$40,772
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.03 * 2904 * 45.26 / 15 * 25	\$6,572
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.03 * 87968.99 / 60 * 25	\$1,100
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$40,772 + \$6,572 + \$1,100	\$48,444

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-601-052

Original

Current

HALLOCK	Municipality	HALLOCK
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
TH 75 TO S. CEDAR AVE	Termini	TH 75 TO S. CEDAR AVE
710	Present AADT	710
2017	Year of Count	2017
1	Projection Factor	1
710	Projected Traffic	710
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
RECONST UNDER SAP 35-601-27	Comments	RECONST UNDER SAP 35-601-27
SURFACED DONE IN 2006. SAP 35-601-28		SURFACED DONE IN 2006. SAP 35-601-28
	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 * 2836301.47 / 60 * 25 * 1.15	\$203,859
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.15 * 2904 * 45.26 / 15 * 25	\$32,859
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.15 * 87968.99 / 60 * 25	\$5,498
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$203,859 + \$32,859 + \$5,498	\$242,216

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-601-053

Original

Current

HALLOCK	Municipality	HALLOCK
0.07	Segment Length	0.07
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S CEDAR AVE TO TH 175	Termini	S CEDAR AVE TO TH 175
710	Present AADT	710
2017	Year of Count	2017
1	Projection Factor	1
710	Projected Traffic	710
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	0.07 * 2836301.47 / 60 * 25 * 1.15	\$95,134
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2904 * 45.26 / 15 * 25	\$15,334
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 87968.99 / 60 * 25	\$2,566
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$95,134 + \$15,334 + \$2,566	\$113,034

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-601-060

Original

Current

HALLOCK	Municipality	HALLOCK
0.53	Segment Length	0.53
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 175 TO NO LIM HALLOCK	Termini	TH 175 TO NO LIM HALLOCK
335	Present AADT	335
2017	Year of Count	2017
1	Projection Factor	1
335	Projected Traffic	335
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
THIS WAS A CONCRETE SURFACE WHICH WAS CRACKED & OVERLAYED WITH BITUMINOUS	Comments	THIS WAS A CONCRETE SURFACE WHICH WAS CRACKED & OVERLAYED WITH BITUMINOUS
	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	0.53 * 408805.73 / 60 * 25 * 1.1	\$99,306
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.53 * 2112 * 45.26 / 20 * 25	\$63,328
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.53 * 10152.8 / 60 * 25	\$2,242
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$99,306 + \$63,328 + \$2,242	\$164,876

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-601-070

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.5	Segment Length	2.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NO LIM HALLOCK TO CSAH 17	Termini	NO LIM HALLOCK TO CSAH 17
335	Present AADT	335
2017	Year of Count	2017
1	Projection Factor	1
335	Projected Traffic	335
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	

Culvert Information

Status: Original

Original		Current
35J27	Structure Number	35J27
20.72	Milepoint	20.72
2002	Year Built	2002
Stream	Feature Crossed	Stream
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
54	Culvert Length	54
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	2.5 * 408805.73 / 60 * 25 * 1.1	\$468,423
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 2112 * 45.26 / 20 * 25	\$298,716
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 10152.8 / 60 * 25	\$10,576
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$11,184
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$468,423 + \$298,716 + \$10,576 + \$11,184	\$788,899

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSOON** Segment Nbr : **035-601-080**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.9	Segment Length	6.9
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 17 TO CSAH 6	Termini	CSAH 17 TO CSAH 6
335	Present AADT	335
2017	Year of Count	2017
1	Projection Factor	1
335	Projected Traffic	335
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	

Bridge Information

Status: Original

Original		Current
35536	Structure Number	35536
	Milepoint	
2008	Year Built	2008
N BR TWO RIVERS	Feature Crossed	N BR TWO RIVERS
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
74	Bridge Length	74
28.1	Bridge Width	28.1
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	6.9 * 408805.73 / 60 * 25 * 1.1	\$1,292,848
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.9 * 2112 * 45.26 / 20 * 25	\$824,456
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.9 * 10152.8 / 60 * 25	\$29,189
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	74 * 28.1 * 173 / 80 * 25 * 1.15	\$129,280
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,292,848 + \$824,456 + \$29,189 + \$129,280	\$2,275,773

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-601-082

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
CSAH 6 TO SOO LINE RR	Termini	CSAH 6 TO SOO LINE RR
90	Present AADT	90
2017	Year of Count	2017
1	Projection Factor	1
90	Projected Traffic	90
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 035-601-032 OL	Comments	2014 SP 035-601-032 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 * 408805.73 / 60 * 25 * 1.1	\$18,737
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 45.26 / 20 * 25	\$11,949
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 10152.8 / 60 * 25	\$423
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$18,737 + \$11,949 + \$423	\$31,109

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : **035-601-090**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.9	Segment Length	0.9
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SOO LINE RR TO 0.90 MI N	Termini	SOO LINE RR TO 0.90 MI N
90	Present AADT	90
2017	Year of Count	2017
1	Projection Factor	1
90	Projected Traffic	90
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 035-601-032 OL	Comments	2014 SP 035-601-032 OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
7486	Structure Number	7486
27.47	Milepoint	27.47
1930	Year Built	1930
LITTLE JOE RIVER	Feature Crossed	LITTLE JOE RIVER
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
6	Culvert Height	6
32	Culvert Length	32
99.99986017	Area of Waterway Opening	99.99986017
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
696025T	USDOT Number	696025T
0	Located at Milepoint	0
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
40	Crossing Length	40
0	Last Year Surfaced	0
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.9 * 408805.73 / 60 * 25 * 1.1$	\$168,632
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.9 * 2112 * 45.26 / 20 * 25$	\$107,538
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.9 * 10152.8 / 60 * 25$	\$3,807
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$32 * 99.99986017 * 18.01 / 100 * 25 * 1.15$	\$16,569
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 + Culvert + RR Crossing Protection + RR Crossing Surface	$\$0 + \$168,632 + \$107,538 + \$3,807 + \$16,569 + \$2,000 + \$70,000$	\$368,546

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-601-091

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
0.90 MI N TO 1.6 MI N OF SOO LINE RR	Termini	0.90 MI N TO 1.6 MI N OF SOO LINE RR
25	Present AADT	25
2017	Year of Count	2017
1	Projection Factor	1
25	Projected Traffic	25
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.7 * 204402.87 / 60 * 25 * 1.1$	\$65,579
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.7 * 546 * 10.75 / 2 * 25$	\$51,358
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.7 * 12036.35 / 60 * 25$	\$3,511
Total Segment Cost	Construction + Preservation + ROW	$\$65,579 + \$51,358 + \$3,511$	\$120,448

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-601-092

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
1.6 MI N TO 1.8 MI N SOO LINE RR	Termini	1.6 MI N TO 1.8 MI N SOO LINE RR
25	Present AADT	25
2017	Year of Count	2017
1	Projection Factor	1
25	Projected Traffic	25
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
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	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 204402.87 / 60 * 25 * 1.1	\$18,737
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 546 * 10.75 / 2 * 25	\$14,674
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 12036.35 / 60 * 25	\$1,003
Total Segment Cost	Construction + Preservation + ROW	\$18,737 + \$14,674 + \$1,003	\$34,414

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-601-093

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.2	Segment Length	2.2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.8 MI N TO 4.0 MI N SOO LINE RR	Termini	1.8 MI N TO 4.0 MI N SOO LINE RR
25	Present AADT	25
2017	Year of Count	2017
1	Projection Factor	1
25	Projected Traffic	25
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
96123	Structure Number	96123
29.74	Milepoint	29.74
1986	Year Built	1986
STREAM	Feature Crossed	STREAM
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
78	Culvert Length	78
95.99999493	Area of Waterway Opening	95.99999493
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	2.2 * 204402.87 / 60 * 25 * 1.1	\$206,106
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.2 * 546 * 10.75 / 2 * 25	\$161,411
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.2 * 12036.35 / 60 * 25	\$11,033
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	78 * 95.99999493 * 18.01 / 100 * 25 * 1.15	\$38,772
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$206,106 + \$161,411 + \$11,033 + \$38,772	\$417,322

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-601-100

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
4.0 MI TO 6.0 MI NO OF SOO LINE RR	Termini	4.0 MI TO 6.0 MI NO OF SOO LINE RR
25	Present AADT	25
2017	Year of Count	2017
1	Projection Factor	1
25	Projected Traffic	25
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 * 204402.87 / 60 * 25 * 1.1	\$187,369
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 12036.35 / 60 * 25	\$10,030
Total Segment Cost	Construction + Preservation + ROW	\$187,369 + \$146,738 + \$10,030	\$344,137

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-601-110

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.9	Segment Length	3.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
6.0 MI NO OF SOO LINE RR TO TH 59	Termini	6.0 MI NO OF SOO LINE RR TO TH 59
25	Present AADT	25
2017	Year of Count	2017
1	Projection Factor	1
25	Projected Traffic	25
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	3.9 * 204402.87 / 60 * 25 * 1.1	\$365,370
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.9 * 546 * 10.75 / 2 * 25	\$286,138
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.9 * 12036.35 / 60 * 25	\$19,559
Total Segment Cost	Construction + Preservation + ROW	\$365,370 + \$286,138 + \$19,559	\$671,067

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : KITTSON Segment Nbr : 035-602-010

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
S CO LINE TO TH 11	Termini	S CO LINE TO TH 11
140	Present AADT	140
2017	Year of Count	2017
1	Projection Factor	1
140	Projected Traffic	140
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 035-602-005 M&OL	Comments	2017 SAP 035-602-005 M&OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
96161	Structure Number	96161
1.69	Milepoint	1.69
1986	Year Built	1986
STREAM	Feature Crossed	STREAM
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
6	Culvert Height	6
50	Culvert Length	50
144.00053059	Area of Waterway Opening	144.00053059
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 * 408805.73 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 45.26 / 20 * 25	\$238,973
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 10152.8 / 60 * 25	\$8,461
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	50 * 144.00053059 * 18.01 / 100 * 25 * 1.15	\$37,281
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$374,739 + \$238,973 + \$8,461 + \$37,281	\$659,454

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-602-020

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
TH 11 TO NO JCT CO RD 61	Termini	TH 11 TO NO JCT CO RD 61
65	Present AADT	65
2017	Year of Count	2017
1	Projection Factor	1
65	Projected Traffic	65
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	3 * 204402.87 / 60 * 25 * 1.1	\$281,054
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 546 * 10.75 / 2 * 25	\$220,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 12036.35 / 60 * 25	\$15,045
Total Segment Cost	Construction + Preservation + ROW	\$281,054 + \$220,106 + \$15,045	\$516,205

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-602-030

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
N JCT CO RD 61 TO CSAH 10	Termini	N JCT CO RD 61 TO CSAH 10
65	Present AADT	65
2017	Year of Count	2017
1	Projection Factor	1
65	Projected Traffic	65
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
35J36	Structure Number	35J36
7.6	Milepoint	7.6
2007	Year Built	2007
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
5	Culvert Height	5
46	Culvert Length	46
60.00013138	Area of Waterway Opening	60.00013138
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
97920	Structure Number	97920
5.098	Milepoint	5.098
1996	Year Built	1996
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
6	Culvert Height	6
40	Culvert Length	40
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$6 * 204402.87 / 60 * 25 * 1.1$	\$562,108
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$6 * 546 * 10.75 / 2 * 25$	\$440,213
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$6 * 12036.35 / 60 * 25$	\$30,091
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$46 * 60.00013138 * 18.01 / 100 * 25 * 1.15$	\$14,291
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$40 * 71.9997271 * 18.01 / 100 * 25 * 1.15$	\$14,912
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert	$\$562,108 + \$440,213 + \$30,091 + \$14,291 + \$14,912$	\$1,061,615

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : KITTSON Segment Nbr : 035-604-010

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 16 TO T.H. 75	Termini	CSAH 16 TO T.H. 75
25	Present AADT	25
2017	Year of Count	2017
1	Projection Factor	1
25	Projected Traffic	25
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 035-604-026 PAVING	Comments	2012 SAP 035-604-026 PAVING
REGRADED UNDER SAP 35-604-021		REGRADED UNDER SAP 35-604-021
SAP 35-604-23. PAVING / SHOULDERING 2006		SAP 35-604-23. PAVING / SHOULDERING 2006
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
81622Y	USDOT Number	81622Y
3.97	Located at Milepoint	3.97
0	Mainline Tracks	0
NONE	Protection Type	NONE
0	Last Year Protection Upgraded	0
56	Crossing Length	56
1998	Last Year Surfaced	1998
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 * 408805.73 / 60 * 25 * 1.1	\$749,477
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 45.26 / 20 * 25	\$477,946
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 10152.8 / 60 * 25	\$16,921
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	0 / 25 * 25	\$0

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 + \$749,477 + \$477,946 + \$16,921 + \$0 + \$98,000	\$1,342,344

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-604-040

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N JCT TH 75 TO 0.2 MI E	Termini	N JCT TH 75 TO 0.2 MI E
65	Present AADT	65
2017	Year of Count	2017
1	Projection Factor	1
65	Projected Traffic	65
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
	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 * 408805.73 / 60 * 25 * 1.1	\$37,474
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 45.26 / 20 * 25	\$23,897
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 10152.8 / 60 * 25	\$846
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$37,474 + \$23,897 + \$846	\$62,217

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-604-050

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.7	Segment Length	3.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.2 MI E OF TH 75 TO JCT. CSAH 1	Termini	0.2 MI E OF TH 75 TO JCT. CSAH 1
65	Present AADT	65
2017	Year of Count	2017
1	Projection Factor	1
65	Projected Traffic	65
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 035-604-025 BR 35538 DELETED FROM SEG 060 AND MOVE TO CORRECT SEGMENT 060 PER KELLY @ KITTSON	Comments	2014 SAP 035-604-025 BR 35538 DELETED FROM SEG 060 AND MOVE TO CORRECT SEGMENT 060 PER KELLY @ KITTSON
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original

Current

35538	Structure Number	35538
8.971	Milepoint	8.971
2014	Year Built	2014
N BR Two Rivers	Feature Crossed	N BR Two Rivers
	Type of Service	
3	Number of Spans	3
198.18	Bridge Length	198.18
35.33	Bridge Width	35.33
100%	Shared Structure	100%
2014 SAP 035-604-025 BR 35538 DELETE FROM SEG 060 AND MOVE TO CORRECT SEGMENT 060 PER KELLY @ KITTSON	Comments	2014 SAP 035-604-025 BR 35538 DELETE FROM SEG 060 AND MOVE TO CORRECT SEGMENT 060 PER KELLY @ KITTSON
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	3.7 * 408805.73 / 60 * 25 * 1.1	\$693,266
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.7 * 2112 * 45.26 / 20 * 25	\$442,100
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.7 * 10152.8 / 60 * 25	\$15,652
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	198.18 * 35.33 * 141 / 80 * 25 * 1.15	\$354,789

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$693,266 + \$442,100 + \$15,652 + \$354,789	\$1,505,807
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-604-060

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
JCT. OF CSAH 1 TO CSAH 6	Termini	JCT. OF CSAH 1 TO CSAH 6
65	Present AADT	65
2017	Year of Count	2017
1	Projection Factor	1
65	Projected Traffic	65
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 035-604-025 BR 35538	Comments	2014 SAP 035-604-025 BR 35538
	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 * 408805.73 / 60 * 25 * 1.1	\$936,846
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 45.26 / 20 * 25	\$597,432
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 10152.8 / 60 * 25	\$21,152
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$936,846 + \$597,432 + \$21,152	\$1,555,430

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-604-070

Original

Current

LANCASTER
 1.02
 MIXED BITUMINOUS
 2
 NOT DIVIDED
 TH 59 TO E LIM LANCASTER
 345
 2017
 1
 345
 RURAL
 2 - RURAL : 150 - 1499
 2015
 0
 No Special Message
 2015 SAP 035-604-028 OL, SM
 CULVERT REPAIRS

 NEW BIT. AND SHLDR. IN 2003.
 PRIME CONTRACTOR
 NORTHSTAR MATERIALS.

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

LANCASTER
 1.02
 MIXED BITUMINOUS
 2
 NOT DIVIDED
 TH 59 TO E LIM LANCASTER
 345
 2017
 1
 345
 RURAL
 2 (RURAL : 150 - 1499)
 2015
 0
 No Special Message
 2015 SAP 035-604-028 OL, SM
 CULVERT REPAIRS

 NEW BIT. AND SHLDR. IN 2003.
 PRIME CONTRACTOR
 NORTHSTAR MATERIALS.

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	1.02 * 408805.73 / 60 * 25 * 1.1	\$191,117
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.02 * 2112 * 45.26 / 20 * 25	\$121,876
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.02 * 10152.8 / 60 * 25	\$4,315
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$191,117 + \$121,876 + \$4,315	\$317,308

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : **035-604-080**

Original		Current
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
E LIM LANCASTER TO .30 MILES WEST OF CSAH 15	Termini	E LIM LANCASTER TO .30 MILES WEST OF CSAH 15
155	Present AADT	155
2017	Year of Count	2017
1	Projection Factor	1
155	Projected Traffic	155
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 035-604-028 OL, SM CULVERT REPAIRS	Comments	2015 SAP 035-604-028 OL, SM CULVERT REPAIRS
SAME AS FOR SEGMENT 070		SAME AS FOR SEGMENT 070
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92275	Structure Number	92275
17.421	Milepoint	17.421
1967	Year Built	1967
JUD DITCH # 31	Feature Crossed	JUD DITCH # 31
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
76	Culvert Length	76
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	4.9 * 408805.73 / 60 * 25 * 1.1	\$918,110
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.9 * 2112 * 45.26 / 20 * 25	\$585,483
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.9 * 10152.8 / 60 * 25	\$20,729

Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	76 * 51.00043459 * 18.01 / 100 * 25 * 1.15	\$20,070
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$918,110 + \$585,483 + \$20,729 + \$20,070	\$1,544,392

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSOON** Segment Nbr : 035-604-090

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.4	Segment Length	4.4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
.30 MI W OF CSAH 15 TO .70 MI W OF CR 51	Termini	.30 MI W OF CSAH 15 TO .70 MI W OF CR 51
155	Present AADT	155
2017	Year of Count	2017
1	Projection Factor	1
155	Projected Traffic	155
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
35J13	Structure Number	35J13
24.3	Milepoint	24.3
1998	Year Built	1998
N BR TWO RIVERS	Feature Crossed	N BR TWO RIVERS
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
9	Culvert Height	9
58	Culvert Length	58
180.00039414	Area of Waterway Opening	180.00039414
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	4.4 * 408805.73 / 60 * 25 * 1.1	\$824,425
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.4 * 2112 * 45.26 / 20 * 25	\$525,740
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.4 * 10152.8 / 60 * 25	\$18,613
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	58 * 180.00039414 * 18.01 / 100 * 25 * 1.15	\$54,057

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$824,425 + \$525,740 + \$18,613 + \$54,057	\$1,422,835
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-604-110

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.4	Segment Length	6.4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
.70 MI W CO RD 51 TO CSAH 25	Termini	.70 MI W CO RD 51 TO CSAH 25
155	Present AADT	155
2017	Year of Count	2017
1	Projection Factor	1
155	Projected Traffic	155
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	

Culvert Information

Status: Original

Original		Current
96543	Structure Number	96543
28.8	Milepoint	28.8
1988	Year Built	1988
CO DITCH # 14	Feature Crossed	CO DITCH # 14
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
54	Culvert Length	54
39.99972879	Area of Waterway Opening	39.99972879
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
96544	Structure Number	96544
23.36	Milepoint	23.36
1998	Year Built	1998
STATE DITCH # 85	Feature Crossed	STATE DITCH # 85
	Type of Service	
1	Number of Barrels	1
	Culvert Width	
	Culvert Height	
54	Culvert Length	54
116.00039752	Area of Waterway Opening	116.00039752
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	6.4 * 408805.73 / 60 * 25 * 1.1	\$1,199,163
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.4 * 2112 * 45.26 / 20 * 25	\$764,713
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.4 * 10152.8 / 60 * 25	\$27,074
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$11,184
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 116.00039752 * 18.01 / 100 * 25 * 1.15	\$32,434
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$1,199,163 + \$764,713 + \$27,074 + \$11,184 + \$32,434	\$2,034,568

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-604-120

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
JCT. CSAH 25 THEN EAST THEN NORTH TO JCT. JUDICIAL DITCH	Termini	JCT. CSAH 25 THEN EAST THEN NORTH TO JCT. JUDICIAL DITCH
32		32
45	Present AADT	45
2017	Year of Count	2017
1	Projection Factor	1
45	Projected Traffic	45
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
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.9 * 204402.87 / 60 * 25 * 1.1	\$459,055
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.9 * 546 * 10.75 / 2 * 25	\$359,507
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.9 * 12036.35 / 60 * 25	\$24,574
Total Segment Cost	Construction + Preservation + ROW	\$459,055 + \$359,507 + \$24,574	\$843,136

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-604-130

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.7	Segment Length	5.7
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
JCT. JD 32 TO EAST COUNTY LINE & SOUTH TO CSAH 24	Termini	JCT. JD 32 TO EAST COUNTY LINE & SOUTH TO CSAH 24
45	Present AADT	45
2017	Year of Count	2017
1	Projection Factor	1
45	Projected Traffic	45
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CONTRACT AWARDED IN 2010 BUT NO WORK DONE DUE TO PERMITTING ISSUES.	Comments	CONTRACT AWARDED IN 2010 BUT NO WORK DONE DUE TO PERMITTING ISSUES.
GRADING AND AGG SURFACING, 2010 SAP 35-604-019		GRADING AND AGG SURFACING, 2010 SAP 35-604-019
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
96782	Structure Number	96782
40.44	Milepoint	40.44
1992	Year Built	1992
STATE DITCH # 51	Feature Crossed	STATE DITCH # 51
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
9	Culvert Height	9
64	Culvert Length	64
180.00039414	Area of Waterway Opening	180.00039414
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	5.7 * 204402.87 / 60 * 25 * 1.1	\$534,002
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.7 * 546 * 10.75 / 2 * 25	\$418,202
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.7 * 12036.35 / 60 * 25	\$28,586
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 180.00039414 * 18.01 / 100 * 25 * 1.15	\$59,649

Total Segment Cost	Construction + Preservation + ROW + Culvert	\$534,002 + \$418,202 + \$28,586 + \$59,649	\$1,040,439
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-605-009

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
SOUTH COUNTY LINE TO T.H. 11	Termini	SOUTH COUNTY LINE TO T.H. 11
60	Present AADT	60
2017	Year of Count	2017
1	Projection Factor	1
60	Projected Traffic	60
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
GRADED IN 2002, BASE & BIT IN 2003 TO BE LET IN APRIL '03.	Comments	GRADED IN 2002, BASE & BIT IN 2003 TO BE LET IN APRIL '03.
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
96641	Structure Number	96641
	Milepoint	
1999	Year Built	1999
JUD DITCH # 10	Feature Crossed	JUD DITCH # 10
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
	Culvert Width	
	Culvert Height	
63	Culvert Length	63
216.00025769	Area of Waterway Opening	216.00025769
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 * 408805.73 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 45.26 / 20 * 25	\$238,973
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 10152.8 / 60 * 25	\$8,461
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	63 * 216.00025769 * 18.01 / 100 * 25 * 1.15	\$70,461

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$374,739 + \$238,973 + \$8,461 + \$70,461	\$692,634
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SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	KITTSON	Segment Nbr : 035-605-010
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 11 TO 2 MI N OF CSAH 7	Termini	TH 11 TO 2 MI N OF CSAH 7
205	Present AADT	205
2017	Year of Count	2017
1	Projection Factor	1
205	Projected Traffic	205
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
2009 OVERLAY, SP 35-605-013	Comments	2009 OVERLAY, SP 35-605-013
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
96438	Structure Number	96438
5.05	Milepoint	5.05
1987	Year Built	1987
STREAM	Feature Crossed	STREAM
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
6	Culvert Height	6
62	Culvert Length	62
139.99958896	Area of Waterway Opening	139.99958896
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
96444	Structure Number	96444
2.795	Milepoint	2.795
1987	Year Built	1987
STREAM	Feature Crossed	STREAM
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
54	Culvert Length	54
39.99972879	Area of Waterway Opening	39.99972879
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
96496	Structure Number	96496
7.545	Milepoint	7.545

1987	Year Built	1987
STREAM	Feature Crossed	STREAM
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
5	Culvert Height	5
54	Culvert Length	54
99.99986017	Area of Waterway Opening	99.99986017
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
96497	Structure Number	96497
8.547	Milepoint	8.547
1987	Year Built	1987
STREAM	Feature Crossed	STREAM
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
64	Culvert Length	64
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	7 * 408805.73 / 60 * 25 * 1.1	\$1,311,585
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 45.26 / 20 * 25	\$836,405
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 10152.8 / 60 * 25	\$29,612
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	62 * 139.99958896 * 18.01 / 100 * 25 * 1.15	\$44,944
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$11,184
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 99.99986017 * 18.01 / 100 * 25 * 1.15	\$27,960
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$13,255
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert + Culvert	\$0 + \$1,311,585 + \$836,405 + \$29,612 + \$44,944 + \$11,184 + \$27,960 + \$13,255	\$2,274,945

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-605-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2 MI N OF CSAH 7 TO TH 175	Termini	2 MI N OF CSAH 7 TO TH 175
205	Present AADT	205
2017	Year of Count	2017
1	Projection Factor	1
205	Projected Traffic	205
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 035-605-014	Comments	2012 SAP 035-605-014
OVERLAYED IN 2009 TO 10 TON STRENGTH SP 35-605-013		OVERLAYED IN 2009 TO 10 TON STRENGTH SP 35-605-013
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
35526	Structure Number	35526
15.99	Milepoint	15.99
1987	Year Built	1987
MID BR TWO RIVERS	Feature Crossed	MID BR TWO RIVERS
	Type of Service	
	Number of Spans	
83.6	Bridge Length	83.6
35	Bridge Width	35
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Bridge Information

Status: Original

Original		Current
35527	Structure Number	35527
13.33	Milepoint	13.33
1987	Year Built	1987
S BR TWO RIVERS	Feature Crossed	S BR TWO RIVERS
	Type of Service	
	Number of Spans	
126.5	Bridge Length	126.5
35	Bridge Width	35
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: Original

Original		Current
96498	Structure Number	96498
10.261	Milepoint	10.261
1987	Year Built	1987

STREAM	Feature Crossed	STREAM
	Type of Service	
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

Culvert Information

Status: Original

Original

Current

96499	Structure Number	96499
10.777	Milepoint	10.777
1987	Year Built	1987
STREAM	Feature Crossed	STREAM
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
64	Culvert Length	64
39.99972879	Area of Waterway Opening	39.99972879
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original

Current

96500	Structure Number	96500
11.912	Milepoint	11.912
1987	Year Built	1987
STREAM	Feature Crossed	STREAM
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
4	Culvert Height	4
104	Culvert Length	104
48.00053566	Area of Waterway Opening	48.00053566
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 * 408805.73 / 60 * 25 * 1.1	\$1,311,585
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 45.26 / 20 * 25	\$836,405
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 10152.8 / 60 * 25	\$29,612
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	83.6 * 35 * 173 / 80 * 25 * 1.15	\$181,915

Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	126.5 * 35 * 173 / 80 * 25 * 1.15	\$275,266
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	64 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$13,255
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	104 * 48.00053566 * 18.01 / 100 * 25 * 1.15	\$25,848
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge + Culvert + Culvert + Culvert	\$0 + \$1,311,585 + \$836,405 + \$29,612 + \$181,915 + \$275,266 + \$13,669 + \$13,255 + \$25,848	\$2,687,555

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : KITTSON Segment Nbr : 035-605-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.5	Segment Length	4.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 175 TO SO LIM LANCASTER	Termini	TH 175 TO SO LIM LANCASTER
470	Present AADT	470
2017	Year of Count	2017
1	Projection Factor	1
470	Projected Traffic	470
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
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
2016 SAP 035-605-015 M&OL	Comments	2016 SAP 035-605-015 M&OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92851	Structure Number	92851
17.27	Milepoint	17.27
1971	Year Built	1971
DITCH	Feature Crossed	DITCH
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
7	Culvert Height	7
46	Culvert Length	46
102.9997591	Area of Waterway Opening	102.9997591
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
92852	Structure Number	92852
19.87	Milepoint	19.87
1971	Year Built	1971
STREAM	Feature Crossed	STREAM
	Type of Service	
2	Number of Barrels	2
9	Culvert Width	9
5	Culvert Height	5
44	Culvert Length	44
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.5 * 408805.73 / 60 * 25 * 1.1	\$843,162
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.5 * 2112 * 45.26 / 20 * 25	\$537,689
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.5 * 10152.8 / 60 * 25	\$19,037
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	46 * 102.9997591 * 18.01 / 100 * 25 * 1.15	\$24,533
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	44 * 68.99982817 * 18.01 / 100 * 25 * 1.15	\$15,720
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$843,162 + \$537,689 + \$19,037 + \$24,533 + \$15,720	\$1,440,141

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-605-050

Original

Current

LANCASTER	Municipality	LANCASTER
0.8	Segment Length	0.8
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SOUTH LIMS LANCASTER TO TH 59	Termini	SOUTH LIMS LANCASTER TO TH 59
470	Present AADT	470
2017	Year of Count	2017
1	Projection Factor	1
470	Projected Traffic	470
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
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
2016 SAP 035-605-015 M&OL	Comments	2016 SAP 035-605-015 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	0.8 * 408805.73 / 60 * 25 * 1.1	\$149,895
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2112 * 45.26 / 20 * 25	\$95,589
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 10152.8 / 60 * 25	\$3,384
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$149,895 + \$95,589 + \$3,384	\$248,868

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : KITTSON Segment Nbr : 035-606-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO CSAH 16	Termini	CSAH 12 TO CSAH 16
50	Present AADT	50
2017	Year of Count	2017
1	Projection Factor	1
50	Projected Traffic	50
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
HIGH HEAVY TRUCK COUNT, SUGAR BEET ROUTE.	Comments	HIGH HEAVY TRUCK COUNT, SUGAR BEET ROUTE.
SURFACED 2008, SAP 35-606-018		SURFACED 2008, SAP 35-606-018
	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	3 * 408805.73 / 60 * 25 * 1.1	\$562,108
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 45.26 / 20 * 25	\$358,459
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 10152.8 / 60 * 25	\$12,691
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$562,108 + \$358,459 + \$12,691	\$933,258

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-606-011

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 16 TO W LIM HUMBOLDT	Termini	CSAH 16 TO W LIM HUMBOLDT
95	Present AADT	95
2017	Year of Count	2017
1	Projection Factor	1
95	Projected Traffic	95
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 2008, SAP 35-606-018	Comments	SURFACED 2008, SAP 35-606-018
	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 * 408805.73 / 60 * 25 * 1.1	\$74,948
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2112 * 45.26 / 20 * 25	\$47,795
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 10152.8 / 60 * 25	\$1,692
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$74,948 + \$47,795 + \$1,692	\$124,435

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSO

Segment Nbr : 035-606-020

Original

Current

HUMBOLDT	Municipality	HUMBOLDT
0.18	Segment Length	0.18
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM HUMBOLDT TO 0.04 MI W ON NO JCT TH 75	Termini	W LIM HUMBOLDT TO 0.04 MI W ON NO JCT TH 75
95	Present AADT	95
2017	Year of Count	2017
1	Projection Factor	1
95	Projected Traffic	95
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 2008, SAP 35-606-018	Comments	SURFACED 2008, SAP 35-606-018
	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	0.18 * 408805.73 / 60 * 25 * 1.1	\$33,726
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.18 * 2112 * 45.26 / 20 * 25	\$21,508
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.18 * 10152.8 / 60 * 25	\$761
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$33,726 + \$21,508 + \$761	\$55,995

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-606-021

Original

Current

HUMBOLDT	Municipality	HUMBOLDT
0.04	Segment Length	0.04
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.4 MI W TO NO JCT TH 75	Termini	0.4 MI W TO NO JCT TH 75
95	Present AADT	95
2017	Year of Count	2017
1	Projection Factor	1
95	Projected Traffic	95
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
SURFACED 2008, SAP 35-606-018	Comments	SURFACED 2008, SAP 35-606-018
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original

Current

BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081630R	USDOT Number	081630R
0.01	Located at Milepoint	0.01
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	0.04 * 2836301.47 / 60 * 25 * 1.15	\$54,362
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.04 * 2904 * 45.26 / 15 * 25	\$8,762
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.04 * 87968.99 / 60 * 25	\$1,466
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 + \$54,362 + \$8,762 + \$1,466 + \$2,000 + \$84,000	\$150,590

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-606-030

Original

Current

HUMBOLDT	Municipality	HUMBOLDT
0.1	Segment Length	0.1
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO JCT TH 75 TO E LIM HUMBOLDT	Termini	SO JCT TH 75 TO E LIM HUMBOLDT
250	Present AADT	250
2017	Year of Count	2017
1	Projection Factor	1
250	Projected Traffic	250
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 035-606-023 PH2 Paving 2016 SAP 035-606-021 PH1 G&B	Comments	2017 SAP 035-606-023 PH2 Paving 2016 SAP 035-606-021 PH1 G&B
	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 * 408805.73 / 60 * 25 * 1.1	\$18,737
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 45.26 / 20 * 25	\$11,949
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 10152.8 / 60 * 25	\$423
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$18,737 + \$11,949 + \$423	\$31,109

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : KITTSON Segment Nbr : 035-606-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.2	Segment Length	7.2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM HUMBOLDT TO CSAH 1	Termini	E LIM HUMBOLDT TO CSAH 1
250	Present AADT	250
2017	Year of Count	2017
1	Projection Factor	1
250	Projected Traffic	250
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 035-606-023 PH2 Paving	Comments	2017 SAP 035-606-023 PH2 Paving
2016 SAP 035-606-021 PH1 G&B		2016 SAP 035-606-021 PH1 G&B
2013 SAP 035-606-022 CULVERT		2013 SAP 035-606-022 CULVERT
35J53		35J53
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92276	Structure Number	92276
5.68	Milepoint	5.68
1964	Year Built	1964
JOE RIVER	Feature Crossed	JOE RIVER
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
83	Culvert Length	83
66.99989555	Area of Waterway Opening	66.99989555
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
35J53	Structure Number	35J53
9.3	Milepoint	9.3
2013	Year Built	2013
CO DITCH # 22	Feature Crossed	CO DITCH # 22
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
7	Culvert Height	7
54	Culvert Length	54
140	Area of Waterway Opening	140
100%	Shared Structure	100%
2013 SAP 035-606-022 CULVERT	Comments	2013 SAP 035-606-022 CULVERT
35J53		35J53
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 * 408805.73 / 60 * 25 * 1.1	\$1,349,059
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.2 * 2112 * 45.26 / 20 * 25	\$860,302
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.2 * 10152.8 / 60 * 25	\$30,458
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	83 * 66.99989555 * 18.01 / 100 * 25 * 1.15	\$28,794
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 140 * 18.01 / 100 * 25 * 1.15	\$39,145
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$1,349,059 + \$860,302 + \$30,458 + \$28,794 + \$39,145	\$2,307,758

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-606-041

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
CSAH 1 TO 0.3 MI SE	Termini	CSAH 1 TO 0.3 MI SE
325	Present AADT	325
2017	Year of Count	2017
1	Projection Factor	1
325	Projected Traffic	325
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
	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 * 408805.73 / 60 * 25 * 1.1	\$56,211
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 45.26 / 20 * 25	\$35,846
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 10152.8 / 60 * 25	\$1,269
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$56,211 + \$35,846 + \$1,269	\$93,326

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	KITTSOON	Segment Nbr : 035-606-050
Original	Current	
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
0.3 MI SE CSAH 1 TO W LIM LANCASTER	Termini	0.3 MI SE CSAH 1 TO W LIM LANCASTER
325	Present AADT	325
2017	Year of Count	2017
1	Projection Factor	1
325	Projected Traffic	325
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	

Culvert Information		Status: Original
Original	Current	
35J17	Structure Number	35J17
11.57	Milepoint	11.57
2000	Year Built	2000
LITTLE JOE RIVER	Feature Crossed	LITTLE JOE RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
6	Culvert Height	6
58	Culvert Length	58
120.00026276	Area of Waterway Opening	120.00026276
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
35J18	Structure Number	35J18
15.19	Milepoint	15.19
2000	Year Built	2000
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
80	Culvert Length	80
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	6.5 * 408805.73 / 60 * 25 * 1.1	\$1,217,900
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.5 * 2112 * 45.26 / 20 * 25	\$776,662
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.5 * 10152.8 / 60 * 25	\$27,497
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	58 * 120.00026276 * 18.01 / 100 * 25 * 1.15	\$36,038
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	80 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$16,569
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$1,217,900 + \$776,662 + \$27,497 + \$36,038 + \$16,569	\$2,074,666

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSOON

Segment Nbr : 035-606-070

Original

Current

LANCASTER	Municipality	LANCASTER
0.46	Segment Length	0.46
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIMS LANCASTER TO 0.27 MI W OF IOWA AVE	Termini	W LIMS LANCASTER TO 0.27 MI W OF IOWA AVE
810	Present AADT	810
2017	Year of Count	2017
1	Projection Factor	1
810	Projected Traffic	810
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	

Bridge Information

Status: Original

Original

Current

5635	Structure Number	5635
17.75	Milepoint	17.75
1936	Year Built	1936
N BR TWO RIVERS	Feature Crossed	N BR TWO RIVERS
	Type of Service	
	Number of Spans	
108	Bridge Length	108
30.8	Bridge Width	30.8
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	0.46 * 408805.73 / 60 * 25 * 1.1	\$86,190
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.46 * 2112 * 45.26 / 20 * 25	\$54,964
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.46 * 10152.8 / 60 * 25	\$1,946
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	108 * 30.8 * 173 / 80 * 25 * 1.15	\$206,809
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$86,190 + \$54,964 + \$1,946 + \$206,809	\$349,909

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSO

Segment Nbr : 035-606-071

Original

Current

LANCASTER	Municipality	LANCASTER
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
0.27 MI W TO 0.14 MI W OF IOWA AVE	Termini	0.27 MI W TO 0.14 MI W OF IOWA AVE
810	Present AADT	810
2017	Year of Count	2017
1	Projection Factor	1
810	Projected Traffic	810
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	0.13 * 408805.73 / 60 * 25 * 1.1	\$24,358
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.13 * 2112 * 45.26 / 20 * 25	\$15,533
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.13 * 10152.8 / 60 * 25	\$550
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$24,358 + \$15,533 + \$550	\$40,441

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-606-072

Original

Current

LANCASTER	Municipality	LANCASTER
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
0.14 MI W TO IOWA AVE	Termini	0.14 MI W TO IOWA AVE
810	Present AADT	810
2017	Year of Count	2017
1	Projection Factor	1
810	Projected Traffic	810
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	0.14 * 408805.73 / 60 * 25 * 1.1	\$26,232
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.14 * 2112 * 45.26 / 20 * 25	\$16,728
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.14 * 10152.8 / 60 * 25	\$592
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$26,232 + \$16,728 + \$592	\$43,552

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSOON

Segment Nbr : 035-606-080

Original

Current

LANCASTER	Municipality	LANCASTER
0.07	Segment Length	0.07
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
IOWA AVE TO MINNESOTA AVE	Termini	IOWA AVE TO MINNESOTA AVE
810	Present AADT	810
2017	Year of Count	2017
1	Projection Factor	1
810	Projected Traffic	810
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 035-606-020 M&OL	Comments	2017 SAP 035-606-020 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	0.07 * 2836301.47 / 60 * 25 * 1.15	\$95,134
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2904 * 45.26 / 15 * 25	\$15,334
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 87968.99 / 60 * 25	\$2,566
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$95,134 + \$15,334 + \$2,566	\$113,034

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSO

Segment Nbr : 035-606-081

Original

Current

LANCASTER	Municipality	LANCASTER
0.08	Segment Length	0.08
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
MINNESOTA AVE TO CENTRAL AVE	Termini	MINNESOTA AVE TO CENTRAL AVE
810	Present AADT	810
2017	Year of Count	2017
1	Projection Factor	1
810	Projected Traffic	810
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 035-606-020 M&OL	Comments	2017 SAP 035-606-020 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	0.08 * 2836301.47 / 60 * 25 * 1.15	\$108,725
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2904 * 45.26 / 15 * 25	\$17,525
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 87968.99 / 60 * 25	\$2,932
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$108,725 + \$17,525 + \$2,932	\$129,182

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-606-090

Original

Current

LANCASTER	Municipality	LANCASTER
0.08	Segment Length	0.08
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2ND ST TO 3RD ST ON CENTRAL AVE	Termini	2ND ST TO 3RD ST ON CENTRAL AVE
890	Present AADT	890
2017	Year of Count	2017
1	Projection Factor	1
890	Projected Traffic	890
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 035-606-020 M&OL	Comments	2017 SAP 035-606-020 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	0.08 * 2836301.47 / 60 * 25 * 1.15	\$108,725
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2904 * 45.26 / 15 * 25	\$17,525
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 87968.99 / 60 * 25	\$2,932
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$108,725 + \$17,525 + \$2,932	\$129,182

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-606-100

Original

Current

LANCASTER	Municipality	LANCASTER
0.2	Segment Length	0.2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CENTRAL AVE TO TH 59	Termini	CENTRAL AVE TO TH 59
620	Present AADT	620
2017	Year of Count	2017
1	Projection Factor	1
620	Projected Traffic	620
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 035-606-020 M&OL	Comments	2017 SAP 035-606-020 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 * 2836301.47 / 60 * 25 * 1.15	\$271,812
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2904 * 45.26 / 15 * 25	\$43,812
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 87968.99 / 60 * 25	\$7,331
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$271,812 + \$43,812 + \$7,331	\$322,955

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-010

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
TH 11 TO 5.0 MI NO	Termini	TH 11 TO 5.0 MI NO
320	Present AADT	320
2017	Year of Count	2017
1	Projection Factor	1
320	Projected Traffic	320
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 035-607-025 M&OL	Comments	2014 SAP 035-607-025 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	5 * 408805.73 / 60 * 25 * 1.1	\$936,846
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 45.26 / 20 * 25	\$597,432
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 10152.8 / 60 * 25	\$21,152
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$936,846 + \$597,432 + \$21,152	\$1,555,430

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3.0 MI N CSAH 23 TO CSAH 1	Termini	3.0 MI N CSAH 23 TO CSAH 1
320	Present AADT	320
2017	Year of Count	2017
1	Projection Factor	1
320	Projected Traffic	320
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	

Culvert Information

Status: Original

Original

Current

35J30	Structure Number	35J30
6.69	Milepoint	6.69
2004	Year Built	2004
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Barrels	3
12	Culvert Width	12
10	Culvert Height	10
82	Culvert Length	82
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 * 408805.73 / 60 * 25 * 1.1	\$562,108
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 45.26 / 20 * 25	\$358,459
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 10152.8 / 60 * 25	\$12,691
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	82 * 359.99971189 * 18.01 / 100 * 25 * 1.15	\$152,851
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$562,108 + \$358,459 + \$12,691 + \$152,851	\$1,086,109

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-607-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.8	Segment Length	5.8
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
JCT. CSAH 1 TO W. LIMITS OF KENNEDY	Termini	JCT. CSAH 1 TO W. LIMITS OF KENNEDY
520	Present AADT	520
2017	Year of Count	2017
1	Projection Factor	1
520	Projected Traffic	520
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	

Culvert Information

Status: Original

Original		Current
35J09	Structure Number	35J09
8.49	Milepoint	8.49
1997	Year Built	1997
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
8	Culvert Height	8
68	Culvert Length	68
159.99999155	Area of Waterway Opening	159.99999155
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	5.8 * 408805.73 / 60 * 25 * 1.1	\$1,086,742
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.8 * 2112 * 45.26 / 20 * 25	\$693,021
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.8 * 10152.8 / 60 * 25	\$24,536
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	68 * 159.99999155 * 18.01 / 100 * 25 * 1.15	\$56,335

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,086,742 + \$693,021 + \$24,536 + \$56,335	\$1,860,634
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSOON** Segment Nbr : **035-607-040**

Original		Current
KENNEDY	Municipality	KENNEDY
0.28	Segment Length	0.28
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM KENNEDY TO TH 75	Termini	W LIM KENNEDY TO TH 75
520	Present AADT	520
2017	Year of Count	2017
1	Projection Factor	1
520	Projected Traffic	520
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 035-607-024 M&OL	Comments	2014 SAP 035-607-024 M&OL
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
35523	Structure Number	35523
14.04	Milepoint	14.04
1986	Year Built	1986
CO DITCH # 27	Feature Crossed	CO DITCH # 27
	Type of Service	
	Number of Spans	
84	Bridge Length	84
43.7	Bridge Width	43.7
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081593R	USDOT Number	081593R
0.27	Located at Milepoint	0.27
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
2011	Last Year Protection Upgraded	2011
44	Crossing Length	44
0	Last Year Surfaced	0
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.28 * 2836301.47 / 60 * 25 * 1.15$	\$380,537
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.28 * 2904 * 45.26 / 15 * 25$	\$61,336
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.28 * 87968.99 / 60 * 25$	\$10,263
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$84 * 43.7 * 173 / 80 * 25 * 1.15$	\$228,221
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$350000 / 25 * 25$	\$350,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$44 * 1750 / 25 * 25$	\$77,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + RR Crossing Protection + RR Crossing Surface	$\$0 + \$380,537 + \$61,336 + \$10,263 + \$228,221 + \$350,000 + \$77,000$	\$1,107,357

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-050

Original

Current

KENNEDY	Municipality	KENNEDY
0.27	Segment Length	0.27
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO E LIM KENNEDY	Termini	TH 75 TO E LIM KENNEDY
420	Present AADT	420
2017	Year of Count	2017
1	Projection Factor	1
420	Projected Traffic	420
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 035-607-024 M&OL	Comments	2014 SAP 035-607-024 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	0.27 * 408805.73 / 60 * 25 * 1.1	\$50,590
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.27 * 2112 * 45.26 / 20 * 25	\$32,261
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.27 * 10152.8 / 60 * 25	\$1,142
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$50,590 + \$32,261 + \$1,142	\$83,993

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-051

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM KENNEDY TO 0.20 EAST	Termini	E LIM KENNEDY TO 0.20 EAST
420	Present AADT	420
2017	Year of Count	2017
1	Projection Factor	1
420	Projected Traffic	420
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	0.2 * 408805.73 / 60 * 25 * 1.1	\$37,474
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 45.26 / 20 * 25	\$23,897
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 10152.8 / 60 * 25	\$846
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$37,474 + \$23,897 + \$846	\$62,217

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-060

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.4	Segment Length	3.4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.20 MI E OF THE E LIM OF KENNEDY TO 1.0 MI W CSAH 5	Termini	0.20 MI E OF THE E LIM OF KENNEDY TO 1.0 MI W CSAH 5
420	Present AADT	420
2017	Year of Count	2017
1	Projection Factor	1
420	Projected Traffic	420
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1993	Latest Year SA funds	1993
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	3.4 * 408805.73 / 60 * 25 * 1.1	\$637,056
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.4 * 2112 * 45.26 / 20 * 25	\$406,254
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.4 * 10152.8 / 60 * 25	\$14,383
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$637,056 + \$406,254 + \$14,383	\$1,057,693

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-061

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.0 MI W CSAH 5 TO CSAH 2	Termini	1.0 MI W CSAH 5 TO CSAH 2
420	Present AADT	420
2017	Year of Count	2017
1	Projection Factor	1
420	Projected Traffic	420
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1993	Latest Year SA funds	1993
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 * 408805.73 / 60 * 25 * 1.1	\$562,108
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 45.26 / 20 * 25	\$358,459
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 10152.8 / 60 * 25	\$12,691
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$562,108 + \$358,459 + \$12,691	\$933,258

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-070

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2.7	Segment Length	2.7
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 2 TO 2.7 MILES EAST.	Termini	CSAH 2 TO 2.7 MILES EAST.
180	Present AADT	180
2017	Year of Count	2017
1	Projection Factor	1
180	Projected Traffic	180
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1993	Latest Year SA funds	1993
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	2.7 * 408805.73 / 60 * 25 * 1.1	\$505,897
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.7 * 2112 * 45.26 / 20 * 25	\$322,613
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.7 * 10152.8 / 60 * 25	\$11,422
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$505,897 + \$322,613 + \$11,422	\$839,932

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-073

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
BETWEEN 2.7 MI. E. OF CSAH 2 AND 3.6 MI. W. OF LIM HALMA	Termini	BETWEEN 2.7 MI. E. OF CSAH 2 AND 3.6 MI. W. OF LIM HALMA
180	Present AADT	180
2017	Year of Count	2017
1	Projection Factor	1
180	Projected Traffic	180
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
THIS IS A CARRY OVER JOB FROM 2004 WILL HAVE NEW BIT AND SHLDRS IN 05 BASED ON LETTING DATE, BIT SURF IS INCLUDED IN '04. MJC	Comments	THIS IS A CARRY OVER JOB FROM 2004 WILL HAVE NEW BIT AND SHLDRS IN 05 BASED ON LETTING DATE, BIT SURF IS INCLUDED IN '04. MJC
	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 * 408805.73 / 60 * 25 * 1.1	\$281,054
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.5 * 2112 * 45.26 / 20 * 25	\$179,230
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.5 * 10152.8 / 60 * 25	\$6,346
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$281,054 + \$179,230 + \$6,346	\$466,630

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-077

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.6	Segment Length	3.6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM 3.6 MI. W. LIM HALMA TO W LIM HALMA	Termini	FROM 3.6 MI. W. LIM HALMA TO W LIM HALMA
220	Present AADT	220
2017	Year of Count	2017
1	Projection Factor	1
220	Projected Traffic	220
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1993	Latest Year SA funds	1993
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	3.6 * 408805.73 / 60 * 25 * 1.1	\$674,529
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.6 * 2112 * 45.26 / 20 * 25	\$430,151
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.6 * 10152.8 / 60 * 25	\$15,229
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$674,529 + \$430,151 + \$15,229	\$1,119,909

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-080

Original

Current

HALMA	Municipality	HALMA
0.25	Segment Length	0.25
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM HALMA TO CSAH 20	Termini	W LIM HALMA TO CSAH 20
220	Present AADT	220
2017	Year of Count	2017
1	Projection Factor	1
220	Projected Traffic	220
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1993	Latest Year SA funds	1993
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	0.25 * 408805.73 / 60 * 25 * 1.1	\$46,842
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.25 * 2112 * 45.26 / 20 * 25	\$29,872
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.25 * 10152.8 / 60 * 25	\$1,058
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$46,842 + \$29,872 + \$1,058	\$77,772

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-090

Original

Current

HALMA	Municipality	HALMA
1.27	Segment Length	1.27
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 20 TO E LIMS HALMA	Termini	CSAH 20 TO E LIMS HALMA
220	Present AADT	220
2017	Year of Count	2017
1	Projection Factor	1
220	Projected Traffic	220
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
THIS SEGMENT TO HAVE NEW BIT. SURF AND SHOULDERING IN '08	Comments	THIS SEGMENT TO HAVE NEW BIT. SURF AND SHOULDERING IN '08
SAP 35-607-20, 2007		SAP 35-607-20, 2007
JOB IS NOW COMPLETED, 2/6/09		JOB IS NOW COMPLETED, 2/6/09
SURFACED 2008, SAP 35-607-021		SURFACED 2008, SAP 35-607-021
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original

Current

CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695973V	USDOT Number	695973V
0.65	Located at Milepoint	0.65
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	1.27 * 408805.73 / 60 * 25 * 1.1	\$237,959
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.27 * 2112 * 45.26 / 20 * 25	\$151,748
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.27 * 10152.8 / 60 * 25	\$5,373
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 + \$237,959 + \$151,748 + \$5,373 + \$2,000 + \$84,000	\$481,080

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : **035-607-100**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.8	Segment Length	2.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIMS HALMA TO NO JCT CSAH	Termini	E LIMS HALMA TO NO JCT CSAH
14		14
90	Present AADT	90
2017	Year of Count	2017
1	Projection Factor	1
90	Projected Traffic	90
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
TO BE PAVED IN '08	Comments	TO BE PAVED IN '08
SAP 35-607-20, 2007		SAP 35-607-20, 2007
JOB COMPLETED, 2/6/09		JOB COMPLETED, 2/6/09
SURFACED 2008, SAP 35-607-021		SURFACED 2008, SAP 35-607-021
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
35J39	Structure Number	35J39
31.207	Milepoint	31.207
2007	Year Built	2007
SD # 49	Feature Crossed	SD # 49
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
	Culvert Width	
	Culvert Height	
54	Culvert Length	54
48.00053566	Area of Waterway Opening	48.00053566
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	2.8 * 408805.73 / 60 * 25 * 1.1	\$524,634
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.8 * 2112 * 45.26 / 20 * 25	\$334,562
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.8 * 10152.8 / 60 * 25	\$11,845

Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 48.00053566 * 18.01 / 100 * 25 * 1.15	\$13,421
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$524,634 + \$334,562 + \$11,845 + \$13,421	\$884,462

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-607-110

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
5.1	Segment Length	5.1
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO JCT CSAH 14 TO TH 11	Termini	SO JCT CSAH 14 TO TH 11
90	Present AADT	90
2017	Year of Count	2017
1	Projection Factor	1
90	Projected Traffic	90
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	5.1 * 408805.73 / 60 * 25 * 1.1	\$955,583
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.1 * 2112 * 45.26 / 20 * 25	\$609,381
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.1 * 10152.8 / 60 * 25	\$21,575
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$955,583 + \$609,381 + \$21,575	\$1,586,539

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-608-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO TH 59	Termini	CSAH 1 TO TH 59
140	Present AADT	140
2017	Year of Count	2017
1	Projection Factor	1
140	Projected Traffic	140
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 035-608-004 OL	Comments	2014 035-608-004 OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original

Current

95290	Structure Number	95290
2.06	Milepoint	2.06
1980	Year Built	1980
LITTLE JOE RIVER	Feature Crossed	LITTLE JOE RIVER
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
5	Culvert Height	5
54	Culvert Length	54
99.99986017	Area of Waterway Opening	99.99986017
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 * 408805.73 / 60 * 25 * 1.1	\$1,124,216
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 45.26 / 20 * 25	\$716,918
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 10152.8 / 60 * 25	\$25,382
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 99.99986017 * 18.01 / 100 * 25 * 1.15	\$27,960
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,124,216 + \$716,918 + \$25,382 + \$27,960	\$1,894,476

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-609-010

Original		Current
KARLSTAD	Municipality	KARLSTAD
0.4	Segment Length	0.4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 59 TO E LIM KARLSTAD	Termini	TH 59 TO E LIM KARLSTAD
450	Present AADT	450
2017	Year of Count	2017
1	Projection Factor	1
450	Projected Traffic	450
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	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695963P	USDOT Number	695963P
0.13	Located at Milepoint	0.13
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
2011	Last Year Protection Upgraded	2011
48	Crossing Length	48
0	Last Year Surfaced	0
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 * 408805.73 / 60 * 25 * 1.1	\$74,948
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2112 * 45.26 / 20 * 25	\$47,795
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 10152.8 / 60 * 25	\$1,692
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 + \$74,948 + \$47,795 + \$1,692 + \$350,000 + \$84,000	\$558,435

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : KITTSON Segment Nbr : 035-609-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.5	Segment Length	5.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E CORP LIM KARLSTAD TO E CO LINE	Termini	E CORP LIM KARLSTAD TO E CO LINE
220	Present AADT	220
2017	Year of Count	2017
1	Projection Factor	1
220	Projected Traffic	220
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
95731	Structure Number	95731
3.32	Milepoint	3.32
1984	Year Built	1984
STATE DITCH # 90	Feature Crossed	STATE DITCH # 90
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
6	Culvert Height	6
75	Culvert Length	75
58.00019876	Area of Waterway Opening	58.00019876
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 * 408805.73 / 60 * 25 * 1.1	\$1,030,531
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.5 * 2112 * 45.26 / 20 * 25	\$657,175
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.5 * 10152.8 / 60 * 25	\$23,267
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	75 * 58.00019876 * 18.01 / 100 * 25 * 1.15	\$22,524

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,030,531 + \$657,175 + \$23,267 + \$22,524	\$1,733,497
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-610-010

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 16 TO NO JCT CSAH 1	Termini	CSAH 16 TO NO JCT CSAH 1
45	Present AADT	45
2017	Year of Count	2017
1	Projection Factor	1
45	Projected Traffic	45
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	3 * 204402.87 / 60 * 25 * 1.1	\$281,054
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 546 * 10.75 / 2 * 25	\$220,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 12036.35 / 60 * 25	\$15,045
Total Segment Cost	Construction + Preservation + ROW	\$281,054 + \$220,106 + \$15,045	\$516,205

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-610-020

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
SO JCT CSAH 1 TO CSAH 13	Termini	SO JCT CSAH 1 TO CSAH 13
25	Present AADT	25
2017	Year of Count	2017
1	Projection Factor	1
25	Projected Traffic	25
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	3 * 204402.87 / 60 * 25 * 1.1	\$281,054
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 546 * 10.75 / 2 * 25	\$220,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 12036.35 / 60 * 25	\$15,045
Total Segment Cost	Construction + Preservation + ROW	\$281,054 + \$220,106 + \$15,045	\$516,205

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-610-030

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 13 TO N JCT TH 75	Termini	CSAH 13 TO N JCT TH 75
25	Present AADT	25
2017	Year of Count	2017
1	Projection Factor	1
25	Projected Traffic	25
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
95317	Structure Number	95317
7.06	Milepoint	7.06
1981	Year Built	1981
CO DITCH # 25	Feature Crossed	CO DITCH # 25
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
92	Culvert Length	92
65.99992924	Area of Waterway Opening	65.99992924
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
081600Y	USDOT Number	081600Y
2.4	Located at Milepoint	2.4
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
32	Crossing Length	32
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
NEEDS WIDENING	Comments	NEEDS WIDENING

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$3 * 204402.87 / 60 * 25 * 1.1$	\$281,054
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 546 * 10.75 / 2 * 25$	\$220,106
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 12036.35 / 60 * 25$	\$15,045
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$92 * 65.99992924 * 18.01 / 100 * 25 * 1.15$	\$31,440
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 + RR Crossing Protection + RR Crossing Surface	$\$281,054 + \$220,106 + \$15,045 + \$31,440 + \$2,000 + \$56,000$	\$605,645

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-610-035

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
FROM SO JCT TH 75 TO CSAH 5	Termini	FROM SO JCT TH 75 TO CSAH 5
130	Present AADT	130
2017	Year of Count	2017
1	Projection Factor	1
130	Projected Traffic	130
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 * 204402.87 / 60 * 25 * 1.1	\$468,423
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 546 * 10.75 / 2 * 25	\$366,844
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 12036.35 / 60 * 25	\$25,076
Total Segment Cost	Construction + Preservation + ROW	\$468,423 + \$366,844 + \$25,076	\$860,343

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-610-040

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
CSAH 5 TO CSAH 2	Termini	CSAH 5 TO CSAH 2
130	Present AADT	130
2017	Year of Count	2017
1	Projection Factor	1
130	Projected Traffic	130
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 035-610-010 OL	Comments	2017 SAP 035-610-010 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 * 408805.73 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 45.26 / 20 * 25	\$238,973
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 10152.8 / 60 * 25	\$8,461
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$374,739 + \$238,973 + \$8,461	\$622,173

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-610-041

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 2 TO 1.0 MI E	Termini	CSAH 2 TO 1.0 MI E
130	Present AADT	130
2017	Year of Count	2017
1	Projection Factor	1
130	Projected Traffic	130
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 035-610-010 OL	Comments	2017 SAP 035-610-010 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 * 408805.73 / 60 * 25 * 1.1	\$187,369
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 45.26 / 20 * 25	\$119,486
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 10152.8 / 60 * 25	\$4,230
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$187,369 + \$119,486 + \$4,230	\$311,085

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-610-050

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
1.0 MI EAST CSAH 2 TO CSAH 26	Termini	1.0 MI EAST CSAH 2 TO CSAH 26
130	Present AADT	130
2017	Year of Count	2017
1	Projection Factor	1
130	Projected Traffic	130
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 408805.73 / 60 * 25 * 1.1	\$562,108
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 45.26 / 20 * 25	\$358,459
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 10152.8 / 60 * 25	\$12,691
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$562,108 + \$358,459 + \$12,691	\$933,258

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-610-060

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
CSAH 26 TO CSAH 15	Termini	CSAH 26 TO CSAH 15
130	Present AADT	130
2017	Year of Count	2017
1	Projection Factor	1
130	Projected Traffic	130
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.1 * 408805.73 / 60 * 25 * 1.1	\$206,106
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.1 * 2112 * 45.26 / 20 * 25	\$131,435
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.1 * 10152.8 / 60 * 25	\$4,653
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$206,106 + \$131,435 + \$4,653	\$342,194

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-610-061

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
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
CSAH 15 TO TH 59	Termini	CSAH 15 TO TH 59
130	Present AADT	130
2017	Year of Count	2017
1	Projection Factor	1
130	Projected Traffic	130
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1995	Latest Year SA funds	1995
0	Number of Signal Legs	0
THTB - PRIOR TO 1965	Special Message Code	THTB - PRIOR TO 1965
	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 * 408805.73 / 60 * 25 * 1.1	\$131,159
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.7 * 2112 * 45.26 / 20 * 25	\$83,640
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.7 * 10152.8 / 60 * 25	\$2,961
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$131,159 + \$83,640 + \$2,961	\$217,760

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-610-070

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.9	Segment Length	0.9
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 59 TO CSAH 28	Termini	TH 59 TO CSAH 28
415	Present AADT	415
2017	Year of Count	2017
1	Projection Factor	1
415	Projected Traffic	415
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	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695981M	USDOT Number	695981M
0.1	Located at Milepoint	0.1
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
40	Crossing Length	40
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
CONCRETE	Comments	CONCRETE

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	0.9 * 408805.73 / 60 * 25 * 1.1	\$168,632
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.9 * 2112 * 45.26 / 20 * 25	\$107,538
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.9 * 10152.8 / 60 * 25	\$3,807
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 + \$168,632 + \$107,538 + \$3,807 + \$2,000 + \$70,000	\$351,977

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-610-071

Original

Current

Unassigned/Unknown
0.7
BIT CONC OR ASPH
2
NOT DIVIDED
CSAH 28 TO 0.7 MI E
415
2017
1
415
RURAL
2 - RURAL : 150 - 1499
1996
0
No Special Message
THIS SEGMENT HAS 1200 FT. OF CURB AND GUTTER ON THE NORTH (LEFT) SIDE ONLY AS PART OF A SHOULDER BIKE PATH DESIGN. I WAS NOT ABLE TO SHOW NEEDS FOR THIS UNLESS I CHOSE AND URBAN DESIGN WHICH THEN WOULD NOT ALLOW ME TO SHOW COMPLETE AGG. SHOULDERS, I GUESS DIANE G. WILL TAKE CARE OF THIS, THANKS, KELLY B.

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

Unassigned/Unknown
0.7
BIT CONC OR ASPH
2
NOT DIVIDED
CSAH 28 TO 0.7 MI E
415
2017
1
415
RURAL
2 (RURAL : 150 - 1499)
1996
0
No Special Message
THIS SEGMENT HAS 1200 FT. OF CURB AND GUTTER ON THE NORTH (LEFT) SIDE ONLY AS PART OF A SHOULDER BIKE PATH DESIGN. I WAS NOT ABLE TO SHOW NEEDS FOR THIS UNLESS I CHOSE AND URBAN DESIGN WHICH THEN WOULD NOT ALLOW ME TO SHOW COMPLETE AGG. SHOULDERS, I GUESS DIANE G. WILL TAKE CARE OF THIS, THANKS, KELLY B.

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 * 408805.73 / 60 * 25 * 1.1	\$131,159
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.7 * 2112 * 45.26 / 20 * 25	\$83,640
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.7 * 10152.8 / 60 * 25	\$2,961
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$131,159 + \$83,640 + \$2,961	\$217,760

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-610-072

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.7	Segment Length	4.7
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.7 MI E OF CSAH 28 TO CSAH 14	Termini	0.7 MI E OF CSAH 28 TO CSAH 14
415	Present AADT	415
2017	Year of Count	2017
1	Projection Factor	1
415	Projected Traffic	415
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	

Culvert Information

Status: Original

Original		Current
91634	Structure Number	91634
27.54	Milepoint	27.54
1979	Year Built	1979
STATE DITCH # 49	Feature Crossed	STATE DITCH # 49
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
6	Culvert Height	6
50	Culvert Length	50
60.00013138	Area of Waterway Opening	60.00013138
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	4.7 * 408805.73 / 60 * 25 * 1.1	\$880,636
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.7 * 2112 * 45.26 / 20 * 25	\$561,586
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.7 * 10152.8 / 60 * 25	\$19,883
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	50 * 60.00013138 * 18.01 / 100 * 25 * 1.15	\$15,534
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$880,636 + \$561,586 + \$19,883 + \$15,534	\$1,477,639

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-610-080

Original		Current
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 14 TO E CO LINE	Termini	CSAH 14 TO E CO LINE
415	Present AADT	415
2017	Year of Count	2017
1	Projection Factor	1
415	Projected Traffic	415
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
35513	Structure Number	35513
30.9	Milepoint	30.9
1976	Year Built	1976
STATE DITCH # 95	Feature Crossed	STATE DITCH # 95
	Type of Service	
	Number of Spans	
93.2	Bridge Length	93.2
38	Bridge Width	38
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: Original

Original		Current
35514	Structure Number	35514
33.39	Milepoint	33.39
1976	Year Built	1976
STATE DITCH # 95;LAT #2	Feature Crossed	STATE DITCH # 95;LAT #2
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
86	Culvert Length	86
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$6.5 * 408805.73 / 60 * 25 * 1.1$	\$1,217,900
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$6.5 * 2112 * 45.26 / 20 * 25$	\$776,662
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$6.5 * 10152.8 / 60 * 25$	\$27,497
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$93.2 * 38 * 173 / 80 * 25 * 1.15$	\$220,188
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$86 * 131.99985848 * 18.01 / 100 * 25 * 1.15$	\$58,779
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	$\$0 + \$1,217,900 + \$776,662 + \$27,497 + \$220,188 + \$58,779$	\$2,301,026

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-612-010

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 16 TO 2.0 MILES WEST	Termini	CSAH 16 TO 2.0 MILES WEST
20	Present AADT	20
2017	Year of Count	2017
1	Projection Factor	1
20	Projected Traffic	20
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 * 204402.87 / 60 * 25 * 1.1	\$187,369
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 12036.35 / 60 * 25	\$10,030
Total Segment Cost	Construction + Preservation + ROW	\$187,369 + \$146,738 + \$10,030	\$344,137

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-612-015

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
2.0 MI TO 3.0 MI WEST OF CSAH 16	Termini	2.0 MI TO 3.0 MI WEST OF CSAH 16
20	Present AADT	20
2017	Year of Count	2017
1	Projection Factor	1
20	Projected Traffic	20
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 * 204402.87 / 60 * 25 * 1.1	\$93,685
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 546 * 10.75 / 2 * 25	\$73,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 12036.35 / 60 * 25	\$5,015
Total Segment Cost	Construction + Preservation + ROW	\$93,685 + \$73,369 + \$5,015	\$172,069

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-612-020

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
3.0 MI WEST OF CSAH 16 TO CSAH 6	Termini	3.0 MI WEST OF CSAH 16 TO CSAH 6
20	Present AADT	20
2017	Year of Count	2017
1	Projection Factor	1
20	Projected Traffic	20
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
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
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 204402.87 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 546 * 10.75 / 2 * 25	\$293,475
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 12036.35 / 60 * 25	\$20,061
Total Segment Cost	Construction + Preservation + ROW	\$374,739 + \$293,475 + \$20,061	\$688,275

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-612-030

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
CSAH 6 TO TH 75	Termini	CSAH 6 TO TH 75
35	Present AADT	35
2017	Year of Count	2017
1	Projection Factor	1
35	Projected Traffic	35
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
NEW BIT. SURF. FOR 9 TON RATING AND AGG. SHOULDERS COMPLETED IN 2003. PRIME CONTRACTOR - CENTRAL SPECIALTIES	Comments	NEW BIT. SURF. FOR 9 TON RATING AND AGG. SHOULDERS COMPLETED IN 2003. PRIME CONTRACTOR - CENTRAL SPECIALTIES
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081637N	USDOT Number	081637N
4.26	Located at Milepoint	4.26
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
56	Crossing Length	56
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
CONCRETE PANELS	Comments	CONCRETE PANELS

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 * 408805.73 / 60 * 25 * 1.1	\$843,162
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.5 * 2112 * 45.26 / 20 * 25	\$537,689
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.5 * 10152.8 / 60 * 25	\$19,037
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
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 + \$843,162 + \$537,689 + \$19,037 + \$2,000 + \$98,000	\$1,499,888
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-613-010

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
S CO LINE TO TH 11	Termini	S CO LINE TO TH 11
25	Present AADT	25
2017	Year of Count	2017
1	Projection Factor	1
25	Projected Traffic	25
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
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	

Culvert Information

Status: Original

Original		Current
91727	Structure Number	91727
1	Milepoint	1
1979	Year Built	1979
JUD DITCH # 10	Feature Crossed	JUD DITCH # 10
	Type of Service	
2	Number of Barrels	2
	Culvert Width	
	Culvert Height	
40	Culvert Length	40
240.00052552	Area of Waterway Opening	240.00052552
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	2 * 204402.87 / 60 * 25 * 1.1	\$187,369
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 12036.35 / 60 * 25	\$10,030
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	40 * 240.00052552 * 18.01 / 100 * 25 * 1.15	\$49,708
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$187,369 + \$146,738 + \$10,030 + \$49,708	\$393,845

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : **035-613-011**

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 11 TO E JCT CSAH 23	Termini	TH 11 TO E JCT CSAH 23
15	Present AADT	15
2017	Year of Count	2017
1	Projection Factor	1
15	Projected Traffic	15
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 035-613-010 Culvert R&R	Comments	2017 SAP 035-613-010 Culvert R&R
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
35J25	Structure Number	35J25
2	Milepoint	2
2001	Year Built	2001
Co Ditch # 19	Feature Crossed	Co Ditch # 19
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
5	Culvert Height	5
46	Culvert Length	46
50.00046828	Area of Waterway Opening	50.00046828
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
35J52	Structure Number	35J52
3.02	Milepoint	3.02
2017	Year Built	2017
CO Ditch #7	Feature Crossed	CO Ditch #7
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
5	Culvert Height	5
40	Culvert Length	40
60	Area of Waterway Opening	60
100%	Shared Structure	100%
2017 SAP 035-613-010 Culvert R&R	Comments	2017 SAP 035-613-010 Culvert R&R
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$2 * 204402.87 / 60 * 25 * 1.1$	\$187,369
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$2 * 546 * 10.75 / 2 * 25$	\$146,738
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$2 * 12036.35 / 60 * 25$	\$10,030
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$46 * 50.00046828 * 18.01 / 100 * 25 * 1.15$	\$11,909
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$40 * 60 * 18.01 / 100 * 25 * 1.15$	\$12,427
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert	$\$187,369 + \$146,738 +$ $\$10,030 + \$11,909 +$ $\$12,427$	\$368,473

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-613-020

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
W JCT CSAH 23 TO CSAH 7	Termini	W JCT CSAH 23 TO CSAH 7
35	Present AADT	35
2017	Year of Count	2017
1	Projection Factor	1
35	Projected Traffic	35
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	3 * 204402.87 / 60 * 25 * 1.1	\$281,054
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 546 * 10.75 / 2 * 25	\$220,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 12036.35 / 60 * 25	\$15,045
Total Segment Cost	Construction + Preservation + ROW	\$281,054 + \$220,106 + \$15,045	\$516,205

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	KITTSON	Segment Nbr : 035-613-030
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
JCT. CSAH 7 TO 4.03 MI. NORTH OR JCT. CO. DITCH #8	Termini	JCT. CSAH 7 TO 4.03 MI. NORTH OR JCT. CO. DITCH #8
55	Present AADT	55
2017	Year of Count	2017
1	Projection Factor	1
55	Projected Traffic	55
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 FOR AGG. SURF. TO 28 FT. WIDE	Comments	GRADED FOR AGG. SURF. TO 28 FT. WIDE
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
35516	Structure Number	35516
9.28	Milepoint	9.28
1978	Year Built	1978
CO DITCH # 27	Feature Crossed	CO DITCH # 27
	Type of Service	
3	Number of Barrels	3
10	Culvert Width	10
6	Culvert Height	6
54	Culvert Length	54
180.00039414	Area of Waterway Opening	180.00039414
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
35J06	Structure Number	35J06
11.02	Milepoint	11.02
1996	Year Built	1996
STATE DITCH # 1	Feature Crossed	STATE DITCH # 1
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Barrels	3
10	Culvert Width	10
8	Culvert Height	8
55	Culvert Length	55
240.00052552	Area of Waterway Opening	240.00052552
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	

35J14	Structure Number	35J14
10.82	Milepoint	10.82
2003	Year Built	2003
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
7	Culvert Height	7
38	Culvert Length	38
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original

Current

95054	Structure Number	95054
10.02	Milepoint	10.02
1981	Year Built	1981
CO DITCH # 1	Feature Crossed	CO DITCH # 1
	Type of Service	
1	Number of Barrels	1
	Culvert Width	
	Culvert Height	
84	Culvert Length	84
104.99969172	Area of Waterway Opening	104.99969172
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$4 * 204402.87 / 60 * 25 * 1.1$	\$374,739
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$4 * 546 * 10.75 / 2 * 25$	\$293,475
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$4 * 12036.35 / 60 * 25$	\$20,061
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$54 * 180.00039414 * 18.01 / 100 * 25 * 1.15$	\$50,329
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$55 * 240.00052552 * 18.01 / 100 * 25 * 1.15$	\$68,348
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$38 * 65.99992924 * 18.01 / 100 * 25 * 1.15$	\$12,986
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$84 * 104.99969172 * 18.01 / 100 * 25 * 1.15$	\$45,669
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert + Culvert + Culvert	$\$374,739 + \$293,475 + \$20,061 + \$50,329 + \$68,348 + \$12,986 + \$45,669$	\$865,607

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-613-040

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
JCT. CO. DITCH #8 TO 4 MI. NORTH	Termini	JCT. CO. DITCH #8 TO 4 MI. NORTH
55	Present AADT	55
2017	Year of Count	2017
1	Projection Factor	1
55	Projected Traffic	55
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1962	Latest Year SA funds	1962
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
95318	Structure Number	95318
12.04	Milepoint	12.04
1983	Year Built	1983
CO DITCH # 8	Feature Crossed	CO DITCH # 8
	Type of Service	
2	Number of Barrels	2
14	Culvert Width	14
10	Culvert Height	10
52	Culvert Length	52
197.99978772	Area of Waterway Opening	197.99978772
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 * 204402.87 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 546 * 10.75 / 2 * 25	\$293,475
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 12036.35 / 60 * 25	\$20,061
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	52 * 197.99978772 * 18.01 / 100 * 25 * 1.15	\$53,311
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$374,739 + \$293,475 + \$20,061 + \$53,311	\$741,586

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSO

Segment Nbr : 035-614-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.8	Segment Length	1.8
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO CO LINE TO SO LIM KARLSTAD	Termini	SO CO LINE TO SO LIM KARLSTAD
580	Present AADT	580
2017	Year of Count	2017
1	Projection Factor	1
580	Projected Traffic	580
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1985	Latest Year SA funds	1985
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	1.8 * 408805.73 / 60 * 25 * 1.1	\$337,265
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.8 * 2112 * 45.26 / 20 * 25	\$215,076
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.8 * 10152.8 / 60 * 25	\$7,615
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$337,265 + \$215,076 + \$7,615	\$559,956

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-614-020

Original

Current

KARLSTAD	Municipality	KARLSTAD
0.36	Segment Length	0.36
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO LIM KARLSTAD TO 0.16 MI W OF 3RD ST	Termini	SO LIM KARLSTAD TO 0.16 MI W OF 3RD ST
800	Present AADT	800
2017	Year of Count	2017
1	Projection Factor	1
800	Projected Traffic	800
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1985	Latest Year SA funds	1985
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 * 408805.73 / 60 * 25 * 1.1	\$67,453
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.36 * 2112 * 45.26 / 20 * 25	\$43,015
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.36 * 10152.8 / 60 * 25	\$1,523
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$67,453 + \$43,015 + \$1,523	\$111,991

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-614-021

Original

Current

KARLSTAD	Municipality	KARLSTAD
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
0.16 MILES WEST OF THIRD ST TO THIRD ST	Termini	0.16 MILES WEST OF THIRD ST TO THIRD ST
800	Present AADT	800
2017	Year of Count	2017
1	Projection Factor	1
800	Projected Traffic	800
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.16 * 2836301.47 / 60 * 25 * 1.15	\$217,450
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.16 * 2904 * 45.26 / 15 * 25	\$35,049
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.16 * 87968.99 / 60 * 25	\$5,865
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$217,450 + \$35,049 + \$5,865	\$258,364

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-614-030

Original

Current

KARLSTAD	Municipality	KARLSTAD
0.22	Segment Length	0.22
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3 RD ST TO TH 59	Termini	3 RD ST TO TH 59
800	Present AADT	800
2017	Year of Count	2017
1	Projection Factor	1
800	Projected Traffic	800
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.22 * 2836301.47 / 60 * 25 * 1.15	\$298,993
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.22 * 2904 * 45.26 / 15 * 25	\$48,193
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.22 * 87968.99 / 60 * 25	\$8,064
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$298,993 + \$48,193 + \$8,064	\$355,250

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-614-040

Original

Current

KARLSTAD	Municipality	KARLSTAD
0.64	Segment Length	0.64
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 11 TO N LIM KARLSTAD	Termini	TH 11 TO N LIM KARLSTAD
350	Present AADT	350
2017	Year of Count	2017
1	Projection Factor	1
350	Projected Traffic	350
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1985	Latest Year SA funds	1985
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	0.64 * 408805.73 / 60 * 25 * 1.1	\$119,916
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.64 * 2112 * 45.26 / 20 * 25	\$76,471
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.64 * 10152.8 / 60 * 25	\$2,707
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$119,916 + \$76,471 + \$2,707	\$199,094

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : **KITTSON** Segment Nbr : 035-614-050

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.7	Segment Length	3.7
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N LIM KARLSTAD TO S JCT CSAH	Termini	N LIM KARLSTAD TO S JCT CSAH
7		7
350	Present AADT	350
2017	Year of Count	2017
1	Projection Factor	1
350	Projected Traffic	350
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1985	Latest Year SA funds	1985
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: New

Original		Current
35J61	Structure Number	35J61
6.4	Milepoint	6.4
2020	Year Built	2020
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
6	Culvert Height	6
54	Culvert Length	54
60	Area of Waterway Opening	60
100%	Shared Structure	100%
SAP 035-614-008 2020	Comments	SAP 035-614-008 2020
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	3.7 * 408805.73 / 60 * 25 * 1.1	\$693,266
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.7 * 2112 * 45.26 / 20 * 25	\$442,100
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.7 * 10152.8 / 60 * 25	\$15,652
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 60 * 18.01 / 100 * 25 * 1.15	\$16,776

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$693,266 + \$442,100 + \$15,652 + \$16,776	\$1,167,794
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-614-051

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S JCT CSAH 7 TO N JCT CSAH 7	Termini	S JCT CSAH 7 TO N JCT CSAH 7
350	Present AADT	350
2017	Year of Count	2017
1	Projection Factor	1
350	Projected Traffic	350
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1985	Latest Year SA funds	1985
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 * 408805.73 / 60 * 25 * 1.1	\$187,369
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 45.26 / 20 * 25	\$119,486
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 10152.8 / 60 * 25	\$4,230
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$187,369 + \$119,486 + \$4,230	\$311,085

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-614-060

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
NO JCT CSAH 7 TO CSAH 10	Termini	NO JCT CSAH 7 TO CSAH 10
55	Present AADT	55
2017	Year of Count	2017
1	Projection Factor	1
55	Projected Traffic	55
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 035-614-007 RECONST AGG SURF, SM CULVERTS	Comments	2015 SAP 035-614-007 RECONST AGG SURF, SM CULVERTS
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 204402.87 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 546 * 10.75 / 2 * 25	\$293,475
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 12036.35 / 60 * 25	\$20,061
Total Segment Cost	Construction + Preservation + ROW	\$374,739 + \$293,475 + \$20,061	\$688,275

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-615-010

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
CSAH 10 TO S LIM LAKE BRONSON	Termini	CSAH 10 TO S LIM LAKE BRONSON
100	Present AADT	100
2017	Year of Count	2017
1	Projection Factor	1
100	Projected Traffic	100
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1995	Latest Year SA funds	1995
0	Number of Signal Legs	0
THTB - PRIOR TO 1965	Special Message Code	THTB - PRIOR TO 1965
	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 * 408805.73 / 60 * 25 * 1.1	\$112,422
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.6 * 2112 * 45.26 / 20 * 25	\$71,692
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.6 * 10152.8 / 60 * 25	\$2,538
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$112,422 + \$71,692 + \$2,538	\$186,652

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-615-011

Original		Current
LAKE BRONSON	Municipality	LAKE BRONSON
0.34	Segment Length	0.34
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO LIM LAKE BRONSON TO SO JCT TH 59	Termini	SO LIM LAKE BRONSON TO SO JCT TH 59
100	Present AADT	100
2017	Year of Count	2017
1	Projection Factor	1
100	Projected Traffic	100
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1995	Latest Year SA funds	1995
0	Number of Signal Legs	0
THTB - PRIOR TO 1965	Special Message Code	THTB - PRIOR TO 1965
	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	0.34 * 408805.73 / 60 * 25 * 1.1	\$63,706
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.34 * 2112 * 45.26 / 20 * 25	\$40,625
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.34 * 10152.8 / 60 * 25	\$1,438
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$63,706 + \$40,625 + \$1,438	\$105,769

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-615-012

Original		Current
LAKE BRONSON	Municipality	LAKE BRONSON
0.07	Segment Length	0.07
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N JCT TH 59 TO N LIM LAKE BRONSON	Termini	N JCT TH 59 TO N LIM LAKE BRONSON
160	Present AADT	160
2017	Year of Count	2017
1	Projection Factor	1
160	Projected Traffic	160
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 035-615-009 OL, CULVERTS, #35J60	Comments	2015 SAP 035-615-009 OL, CULVERTS, #35J60
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695986W	USDOT Number	695986W
0.02	Located at Milepoint	0.02
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
2012	Last Year Protection Upgraded	2012
48	Crossing Length	48
0	Last Year Surfaced	0
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	0.07 * 408805.73 / 60 * 25 * 1.1	\$13,116
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2112 * 45.26 / 20 * 25	\$8,364
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 10152.8 / 60 * 25	\$296
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 + \$13,116 + \$8,364 + \$296 + \$350,000 + \$84,000	\$455,776
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SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :		Segment Nbr : 035-615-020
Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8.3	Segment Length	8.3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N LIM LAKE BRONSON TO .20 MILES SOUTH OF CSAH 4	Termini	N LIM LAKE BRONSON TO .20 MILES SOUTH OF CSAH 4
160	Present AADT	160
2017	Year of Count	2017
1	Projection Factor	1
160	Projected Traffic	160
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 035-615-010 M&OL, SM Culverts	Comments	2018 SAP 035-615-010 M&OL, SM Culverts
2015 SAP 035-615-009 OL, CULVERTS, #35J60		2015 SAP 035-615-009 OL, CULVERTS, #35J60
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original		Current
97782	Structure Number	97782
8.945	Milepoint	8.945
1994	Year Built	1994
JUD DITCH # 31	Feature Crossed	JUD DITCH # 31
OTHER	Type of Service	OTHER
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
50	Culvert Length	50
51.00043459	Area of Waterway Opening	51.00043459
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original		Current
L4349	Structure Number	L4349
5.66	Milepoint	5.66
1961	Year Built	1961
MID BR TWO RIVERS	Feature Crossed	MID BR TWO RIVERS
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
7	Culvert Height	7
40	Culvert Length	40
133.9997911	Area of Waterway Opening	133.9997911
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
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Original		Current
35J60	Structure Number	35J60
4.783	Milepoint	4.783
2016	Year Built	2016
	Feature Crossed	
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
54	Culvert Length	54
40	Area of Waterway Opening	40
100%	Shared Structure	100%
2015 SAP 035-615-009 CULVERT 35J60	Comments	2015 SAP 035-615-009 CULVERT 35J60
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 * 408805.73 / 60 * 25 * 1.1	\$1,555,165
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8.3 * 2112 * 45.26 / 20 * 25	\$991,737
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8.3 * 10152.8 / 60 * 25	\$35,112
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	50 * 51.00043459 * 18.01 / 100 * 25 * 1.15	\$13,204
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	40 * 133.9997911 * 18.01 / 100 * 25 * 1.15	\$27,753
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 40 * 18.01 / 100 * 25 * 1.15	\$11,184
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert	\$0 + \$1,555,165 + \$991,737 + \$35,112 + \$13,204 + \$27,753 + \$11,184	\$2,634,155

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-615-030

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
0.20 MILES SOUTH OF CSAH 4 TO JCT. CSAH 4	Termini	0.20 MILES SOUTH OF CSAH 4 TO JCT. CSAH 4
125	Present AADT	125
2017	Year of Count	2017
1	Projection Factor	1
125	Projected Traffic	125
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.2 * 204402.87 / 60 * 25 * 1.1$	\$18,737
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.2 * 546 * 10.75 / 2 * 25$	\$14,674
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.2 * 12036.35 / 60 * 25$	\$1,003
Total Segment Cost	Construction + Preservation + ROW	$\$18,737 + \$14,674 + \$1,003$	\$34,414

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-616-020

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 10 TO W JCT TH 175	Termini	CSAH 10 TO W JCT TH 175
20	Present AADT	20
2017	Year of Count	2017
1	Projection Factor	1
20	Projected Traffic	20
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 * 204402.87 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 546 * 10.75 / 2 * 25	\$293,475
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 12036.35 / 60 * 25	\$20,061
Total Segment Cost	Construction + Preservation + ROW	\$374,739 + \$293,475 + \$20,061	\$688,275

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-616-030

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
E JCT TH 175 TO CO RD 58	Termini	E JCT TH 175 TO CO RD 58
80	Present AADT	80
2017	Year of Count	2017
1	Projection Factor	1
80	Projected Traffic	80
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
OVERLAYED IN 2006 WITH FED. FUNDS & ST. AID FUNDS.	Comments	OVERLAYED IN 2006 WITH FED. FUNDS & ST. AID FUNDS.
SAP 35-616-010.		SAP 35-616-010.
	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	2 * 408805.73 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 45.26 / 20 * 25	\$238,973
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 10152.8 / 60 * 25	\$8,461
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$374,739 + \$238,973 + \$8,461	\$622,173

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-616-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8	Segment Length	8
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 58 TO CSAH 6	Termini	CO RD 58 TO CSAH 6
80	Present AADT	80
2017	Year of Count	2017
1	Projection Factor	1
80	Projected Traffic	80
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
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92100	Structure Number	92100
6.47	Milepoint	6.47
1974	Year Built	1974
N BR TWO RIVERS	Feature Crossed	N BR TWO RIVERS
	Type of Service	
2	Number of Barrels	2
24.93	Culvert Width	24.93
27.67	Culvert Height	27.67
156	Culvert Length	156
1104.00047989	Area of Waterway Opening	1104.00047989
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 * 408805.73 / 60 * 25 * 1.1	\$1,498,954
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8 * 2112 * 45.26 / 20 * 25	\$955,891
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8 * 10152.8 / 60 * 25	\$33,843
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	156 * 1104.00047989 * 18.01 / 100 * 25 * 1.15	\$891,755
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,498,954 + \$955,891 + \$33,843 + \$891,755	\$3,380,443

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-616-060

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2.3	Segment Length	2.3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO 2.3 MI N	Termini	TH 75 TO 2.3 MI N
65	Present AADT	65
2017	Year of Count	2017
1	Projection Factor	1
65	Projected Traffic	65
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	2.3 * 408805.73 / 60 * 25 * 1.1	\$430,949
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.3 * 2112 * 45.26 / 20 * 25	\$274,819
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.3 * 10152.8 / 60 * 25	\$9,730
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$430,949 + \$274,819 + \$9,730	\$715,498

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSO

Segment Nbr : 035-616-061

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
2.3 MI N OF TH 75 TO CO ROAD 55	Termini	2.3 MI N OF TH 75 TO CO ROAD 55
65	Present AADT	65
2017	Year of Count	2017
1	Projection Factor	1
65	Projected Traffic	65
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	1.1 * 204402.87 / 60 * 25 * 1.1	\$103,053
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.1 * 546 * 10.75 / 2 * 25	\$80,706
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.1 * 12036.35 / 60 * 25	\$5,517
Total Segment Cost	Construction + Preservation + ROW	\$103,053 + \$80,706 + \$5,517	\$189,276

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSOON

Segment Nbr : 035-616-062

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
CO RD 55 TO 1.0 MILE NORTH OF CO RD 55	Termini	CO RD 55 TO 1.0 MILE NORTH OF CO RD 55
65	Present AADT	65
2017	Year of Count	2017
1	Projection Factor	1
65	Projected Traffic	65
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 * 204402.87 / 60 * 25 * 1.1	\$93,685
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 546 * 10.75 / 2 * 25	\$73,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 12036.35 / 60 * 25	\$5,015
Total Segment Cost	Construction + Preservation + ROW	\$93,685 + \$73,369 + \$5,015	\$172,069

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-616-070

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
1.0 MI NORTH OF CO RD 55 TO 1.5 MI NORTH OF CO RD 55	Termini	1.0 MI NORTH OF CO RD 55 TO 1.5 MI NORTH OF CO RD 55
65	Present AADT	65
2017	Year of Count	2017
1	Projection Factor	1
65	Projected Traffic	65
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
696040V	USDOT Number	696040V
0.15	Located at Milepoint	0.15
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
32	Crossing Length	32
0	Last Year Surfaced	0
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	0.5 * 204402.87 / 60 * 25 * 1.1	\$46,842
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 546 * 10.75 / 2 * 25	\$36,684
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 12036.35 / 60 * 25	\$2,508
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	\$46,842 + \$36,684 + \$2,508 + \$2,000 + \$56,000	\$144,034

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-616-071

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.9	Segment Length	0.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.5 MILE NORTH OF CO RD 55 TO 3.0 MILES EAST OF TH 75	Termini	1.5 MILE NORTH OF CO RD 55 TO 3.0 MILES EAST OF TH 75
65	Present AADT	65
2017	Year of Count	2017
1	Projection Factor	1
65	Projected Traffic	65
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
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
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.9 * 204402.87 / 60 * 25 * 1.1	\$84,316
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.9 * 546 * 10.75 / 2 * 25	\$66,032
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.9 * 12036.35 / 60 * 25	\$4,514
Total Segment Cost	Construction + Preservation + ROW	\$84,316 + \$66,032 + \$4,514	\$154,862

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-616-072

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
3.0 MI E OF TH 75 TO TH 75	Termini	3.0 MI E OF TH 75 TO TH 75
65	Present AADT	65
2017	Year of Count	2017
1	Projection Factor	1
65	Projected Traffic	65
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
95507	Structure Number	95507
25.212	Milepoint	25.212
1986	Year Built	1986
STREAM	Feature Crossed	STREAM
	Type of Service	
3	Number of Barrels	3
10	Culvert Width	10
7	Culvert Height	7
36	Culvert Length	36
155.00016	Area of Waterway Opening	155.00016
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
696044X	USDOT Number	696044X
2.05	Located at Milepoint	2.05
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
64	Crossing Length	64
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081640W	USDOT Number	081640W

2.88	Located at Milepoint	2.88
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$3 * 204402.87 / 60 * 25 * 1.1$	\$281,054
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 546 * 10.75 / 2 * 25$	\$220,106
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 12036.35 / 60 * 25$	\$15,045
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$36 * 155.00016 * 18.01 / 100 * 25 * 1.15$	\$28,893
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$64 * 1750 / 25 * 25$	\$112,000
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$32 * 1750 / 25 * 25$	\$56,000
Total Segment Cost	Construction + Preservation + ROW + Culvert + RR Crossing Protection + RR Crossing Surface + RR Crossing Protection + RR Crossing Surface	$\$281,054 + \$220,106 + \$15,045 + \$28,893 + \$2,000 + \$112,000 + \$2,000 + \$56,000$	\$717,098

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	KITTSOON	Segment Nbr : 035-617-010
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
CSAH 1 TO S JCT CSAH 5	Termini	CSAH 1 TO S JCT CSAH 5
10	Present AADT	10
2017	Year of Count	2017
1	Projection Factor	1
10	Projected Traffic	10
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
ADDITIONAL AGG. BASE WILL BE ADDED IN 2005 WITH ST. AID DISASTER \$	Comments	ADDITIONAL AGG. BASE WILL BE ADDED IN 2005 WITH ST. AID DISASTER \$
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
95171	Structure Number	95171
1.5	Milepoint	1.5
1979	Year Built	1979
STREAM	Feature Crossed	STREAM
	Type of Service	
2	Number of Barrels	2
9	Culvert Width	9
5	Culvert Height	5
114	Culvert Length	114
68.99982817	Area of Waterway Opening	68.99982817
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
96139	Structure Number	96139
4.344	Milepoint	4.344
1990	Year Built	1990
STREAM	Feature Crossed	STREAM
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
5	Culvert Height	5
48	Culvert Length	48
60.00013138	Area of Waterway Opening	60.00013138
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$6 * 204402.87 / 60 * 25 * 1.1$	\$562,108
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$6 * 546 * 10.75 / 2 * 25$	\$440,213
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$6 * 12036.35 / 60 * 25$	\$30,091
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$114 * 68.99982817 * 18.01 / 100 * 25 * 1.15$	\$40,729
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$48 * 60.00013138 * 18.01 / 100 * 25 * 1.15$	\$14,912
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert	\$562,108 + \$440,213 + \$30,091 + \$40,729 + \$14,912	\$1,088,053

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-617-020

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
NO JCT CSAH 5 TO CSAH 15	Termini	NO JCT CSAH 5 TO CSAH 15
30	Present AADT	30
2017	Year of Count	2017
1	Projection Factor	1
30	Projected Traffic	30
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1990	Latest Year SA funds	1990
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
696003T	USDOT Number	696003T
1.9	Located at Milepoint	1.9
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	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 204402.87 / 60 * 25 * 1.1	\$562,108
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 546 * 10.75 / 2 * 25	\$440,213
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 12036.35 / 60 * 25	\$30,091
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	\$562,108 + \$440,213 + \$30,091 + \$2,000 + \$56,000	\$1,090,412

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-618-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2.3	Segment Length	2.3
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 220 TO 0.8 MI S OF TH 11	Termini	TH 220 TO 0.8 MI S OF TH 11
75	Present AADT	75
2017	Year of Count	2017
1	Projection Factor	1
75	Projected Traffic	75
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	2.3 * 204402.87 / 60 * 25 * 1.1	\$215,475
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.3 * 546 * 10.75 / 2 * 25	\$168,748
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.3 * 12036.35 / 60 * 25	\$11,535
Total Segment Cost	Construction + Preservation + ROW	\$215,475 + \$168,748 + \$11,535	\$395,758

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-618-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.8	Segment Length	0.8
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.8 MI S TO TH 11	Termini	0.8 MI S TO TH 11
75	Present AADT	75
2017	Year of Count	2017
1	Projection Factor	1
75	Projected Traffic	75
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	0.8 * 408805.73 / 60 * 25 * 1.1	\$149,895
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2112 * 45.26 / 20 * 25	\$95,589
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 10152.8 / 60 * 25	\$3,384
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$149,895 + \$95,589 + \$3,384	\$248,868

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-619-020

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
TH 11 TO SO JCT CSAH 7	Termini	TH 11 TO SO JCT CSAH 7
75	Present AADT	75
2017	Year of Count	2017
1	Projection Factor	1
75	Projected Traffic	75
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 408805.73 / 60 * 25 * 1.1	\$936,846
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 45.26 / 20 * 25	\$597,432
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 10152.8 / 60 * 25	\$21,152
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$936,846 + \$597,432 + \$21,152	\$1,555,430

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-619-030

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
NO JCT CSAH 7 TO CSAH 10	Termini	NO JCT CSAH 7 TO CSAH 10
85	Present AADT	85
2017	Year of Count	2017
1	Projection Factor	1
85	Projected Traffic	85
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 408805.73 / 60 * 25 * 1.1	\$562,108
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 45.26 / 20 * 25	\$358,459
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 10152.8 / 60 * 25	\$12,691
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$562,108 + \$358,459 + \$12,691	\$933,258

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-620-010

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
SO CO LINE TO W JCT TH 11	Termini	SO CO LINE TO W JCT TH 11
160	Present AADT	160
2017	Year of Count	2017
1	Projection Factor	1
160	Projected Traffic	160
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 035-620-007 RECONST PH3 PAVING PH2 035-620-006 CL5 PH1 035-620-005 G&B	Comments	2014 SAP 035-620-007 RECONST PH3 PAVING PH2 035-620-006 CL5 PH1 035-620-005 G&B
	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 * 408805.73 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 45.26 / 20 * 25	\$238,973
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 10152.8 / 60 * 25	\$8,461
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$374,739 + \$238,973 + \$8,461	\$622,173

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSOON

Segment Nbr : 035-620-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
5.8	Segment Length	5.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E JCT TH 11 TO S LIMS HALMA	Termini	E JCT TH 11 TO S LIMS HALMA
295	Present AADT	295
2017	Year of Count	2017
1	Projection Factor	1
295	Projected Traffic	295
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.8 * 408805.73 / 60 * 25 * 1.1	\$1,086,742
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.8 * 2112 * 45.26 / 20 * 25	\$693,021
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.8 * 10152.8 / 60 * 25	\$24,536
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,086,742 + \$693,021 + \$24,536	\$1,804,299

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-620-030

Original		Current
HALMA	Municipality	HALMA
0.75	Segment Length	0.75
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S LIMS TO N LIMS HALMA	Termini	S LIMS TO N LIMS HALMA
295	Present AADT	295
2017	Year of Count	2017
1	Projection Factor	1
295	Projected Traffic	295
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
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	

Culvert Information

Status: Original

Original		Current
89549	Structure Number	89549
8.27	Milepoint	8.27
1970	Year Built	1970
STREAM	Feature Crossed	STREAM
	Type of Service	
3	Number of Barrels	3
7	Culvert Width	7
5	Culvert Height	5
40	Culvert Length	40
76.99955865	Area of Waterway Opening	76.99955865
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	0.75 * 408805.73 / 60 * 25 * 1.1	\$140,527
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.75 * 2112 * 45.26 / 20 * 25	\$89,615
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.75 * 10152.8 / 60 * 25	\$3,173
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	40 * 76.99955865 * 18.01 / 100 * 25 * 1.15	\$15,948
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$140,527 + \$89,615 + \$3,173 + \$15,948	\$249,263

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-620-040

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
N LIMS HALMA TO TH 59	Termini	N LIMS HALMA TO TH 59
295	Present AADT	295
2017	Year of Count	2017
1	Projection Factor	1
295	Projected Traffic	295
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.1 * 408805.73 / 60 * 25 * 1.1	\$18,737
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 45.26 / 20 * 25	\$11,949
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 10152.8 / 60 * 25	\$423
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$18,737 + \$11,949 + \$423	\$31,109

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-621-010

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
S CO LINE TO CSAH 9	Termini	S CO LINE TO CSAH 9
55	Present AADT	55
2017	Year of Count	2017
1	Projection Factor	1
55	Projected Traffic	55
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 * 204402.87 / 60 * 25 * 1.1	\$187,369
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 12036.35 / 60 * 25	\$10,030
Total Segment Cost	Construction + Preservation + ROW	\$187,369 + \$146,738 + \$10,030	\$344,137

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : **035-622-010**

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 75 TO NO JCT CSAH 5	Termini	TH 75 TO NO JCT CSAH 5
429	Present AADT	429
2017	Year of Count	2017
1	Projection Factor	1
429	Projected Traffic	429
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 SP 035-622-008 M&OL	Comments	2018 SP 035-622-008 M&OL
2018 SP 035-622-009 BR REHAB		2018 SP 035-622-009 BR REHAB
Br. #35502 new timber deck in 2018		Br. #35502 new timber deck in 2018
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
35502	Structure Number	35502
0.66	Milepoint	0.66
1966	Year Built	1966
S BR TWO RIVERS	Feature Crossed	S BR TWO RIVERS
	Type of Service	
	Number of Spans	
93.2	Bridge Length	93.2
31.6	Bridge Width	31.6
100%	Shared Structure	100%
2018 SP 035-622-009 BR REHAB	Comments	2018 SP 035-622-009 BR REHAB
included new timber deck, railing		included new timber deck, railing
and guard rail.		and guard rail.
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 * 408805.73 / 60 * 25 * 1.1	\$1,124,216
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 45.26 / 20 * 25	\$716,918
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 10152.8 / 60 * 25	\$25,382
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	93.2 * 31.6 * 173 / 80 * 25 * 1.15	\$183,104

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,124,216 + \$716,918 + \$25,382 + \$183,104	\$2,049,620
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-622-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
5.8	Segment Length	5.8
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO JCT CSAH 5 TO W. LIMITS OF LAKE BRONSON	Termini	SO JCT CSAH 5 TO W. LIMITS OF LAKE BRONSON
400	Present AADT	400
2017	Year of Count	2017
1	Projection Factor	1
400	Projected Traffic	400
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 SP 035-622-007 M&OL	Comments	2013 SP 035-622-007 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	5.8 * 408805.73 / 60 * 25 * 1.1	\$1,086,742
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.8 * 2112 * 45.26 / 20 * 25	\$693,021
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.8 * 10152.8 / 60 * 25	\$24,536
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,086,742 + \$693,021 + \$24,536	\$1,804,299

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-622-040

Original

Current

LAKE BRONSON	Municipality	LAKE BRONSON
0.25	Segment Length	0.25
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W L LAKE BRONSON TO TH 59	Termini	W L LAKE BRONSON TO TH 59
400	Present AADT	400
2017	Year of Count	2017
1	Projection Factor	1
400	Projected Traffic	400
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 SP 035-622-007 M&OL	Comments	2013 SP 035-622-007 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 * 408805.73 / 60 * 25 * 1.1	\$46,842
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.25 * 2112 * 45.26 / 20 * 25	\$29,872
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.25 * 10152.8 / 60 * 25	\$1,058
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$46,842 + \$29,872 + \$1,058	\$77,772

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-623-010

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 7 TO 2.5 MILES EAST	Termini	CSAH 7 TO 2.5 MILES EAST
35	Present AADT	35
2017	Year of Count	2017
1	Projection Factor	1
35	Projected Traffic	35
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	2.5 * 204402.87 / 60 * 25 * 1.1	\$234,212
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 546 * 10.75 / 2 * 25	\$183,422
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 12036.35 / 60 * 25	\$12,538
Total Segment Cost	Construction + Preservation + ROW	\$234,212 + \$183,422 + \$12,538	\$430,172

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-623-020

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
0.5 MI W TO CSAH 1	Termini	0.5 MI W TO CSAH 1
35	Present AADT	35
2017	Year of Count	2017
1	Projection Factor	1
35	Projected Traffic	35
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
35J04	Structure Number	35J04
2.78	Milepoint	2.78
1998	Year Built	1998
JD # 10	Feature Crossed	JD # 10
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Barrels	3
14	Culvert Width	14
8	Culvert Height	8
56	Culvert Length	56
296.99968158	Area of Waterway Opening	296.99968158
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 * 204402.87 / 60 * 25 * 1.1	\$46,842
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 546 * 10.75 / 2 * 25	\$36,684
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 12036.35 / 60 * 25	\$2,508
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	56 * 296.99968158 * 18.01 / 100 * 25 * 1.15	\$86,118
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$46,842 + \$36,684 + \$2,508 + \$86,118	\$172,152

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-623-030

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 1 TO W JCT CSAH 13	Termini	CSAH 1 TO W JCT CSAH 13
35	Present AADT	35
2017	Year of Count	2017
1	Projection Factor	1
35	Projected Traffic	35
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
95988	Structure Number	95988
3.893	Milepoint	3.893
1985	Year Built	1985
CO DITCH # 19	Feature Crossed	CO DITCH # 19
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
52	Culvert Length	52
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
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 204402.87 / 60 * 25 * 1.1	\$281,054
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 546 * 10.75 / 2 * 25	\$220,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 12036.35 / 60 * 25	\$15,045
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	52 * 131.99985848 * 18.01 / 100 * 25 * 1.15	\$35,541
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$281,054 + \$220,106 + \$15,045 + \$35,541	\$551,746

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-623-040

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
W JCT TO E JCT CSAH 13	Termini	W JCT TO E JCT CSAH 13
35	Present AADT	35
2017	Year of Count	2017
1	Projection Factor	1
35	Projected Traffic	35
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 * 204402.87 / 60 * 25 * 1.1	\$93,685
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 546 * 10.75 / 2 * 25	\$73,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 12036.35 / 60 * 25	\$5,015
Total Segment Cost	Construction + Preservation + ROW	\$93,685 + \$73,369 + \$5,015	\$172,069

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-623-050

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.4	Segment Length	2.4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E JCT CSAH 13 TO TH 75	Termini	E JCT CSAH 13 TO TH 75
35	Present AADT	35
2017	Year of Count	2017
1	Projection Factor	1
35	Projected Traffic	35
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
081434J	USDOT Number	081434J
2.4	Located at Milepoint	2.4
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
32	Crossing Length	32
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
TIMBER	Comments	TIMBER

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$2.4 * 204402.87 / 60 * 25 * 1.1$	\$224,843
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$2.4 * 546 * 10.75 / 2 * 25$	\$176,085
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$2.4 * 12036.35 / 60 * 25$	\$12,036
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	$\text{Construction} + \text{Preservation} + \text{ROW} + \text{RR Crossing Protection} + \text{RR Crossing Surface}$	$\$224,843 + \$176,085 + \$12,036 + \$2,000 + \$56,000$	\$470,964

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-624-010

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
FROM ROSEAU CSAH 7 NORTH ALONG COUNTY LINE 4 MILES	Termini	FROM ROSEAU CSAH 7 NORTH ALONG COUNTY LINE 4 MILES
25	Present AADT	25
2017	Year of Count	2017
1	Projection Factor	1
25	Projected Traffic	25
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
35J11	Structure Number	35J11
1.95	Milepoint	1.95
1999	Year Built	1999
STATE DITCH # 51	Feature Crossed	STATE DITCH # 51
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
10	Culvert Height	10
41	Culvert Length	41
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
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 204402.87 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 546 * 10.75 / 2 * 25	\$293,475
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 12036.35 / 60 * 25	\$20,061
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	41 * 199.99972034 * 18.01 / 100 * 25 * 1.15	\$42,459
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$374,739 + \$293,475 + \$20,061 + \$42,459	\$730,734

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-625-010

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 4 TO EAST COUNTY LINE	Termini	CSAH 4 TO EAST COUNTY LINE
55	Present AADT	55
2017	Year of Count	2017
1	Projection Factor	1
55	Projected Traffic	55
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
35J12	Structure Number	35J12
2.05	Milepoint	2.05
1999	Year Built	1999
CD 18	Feature Crossed	CD 18
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
5	Culvert Height	5
42	Culvert Length	42
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	7 * 204402.87 / 60 * 25 * 1.1	\$655,793
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 546 * 10.75 / 2 * 25	\$513,581
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 12036.35 / 60 * 25	\$35,106
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	42 * 50.00046828 * 18.01 / 100 * 25 * 1.15	\$10,874
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$655,793 + \$513,581 + \$35,106 + \$10,874	\$1,215,354

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-627-010

Original		Current
LANCASTER	Municipality	LANCASTER
0.1	Segment Length	0.1
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2ND ST TO SOO RR IN LANCASTER	Termini	2ND ST TO SOO RR IN LANCASTER
950	Present AADT	950
2017	Year of Count	2017
1	Projection Factor	1
950	Projected Traffic	950
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 035-627-004 OL @ CSAH 6	Comments	2017 SAP 035-627-004 OL @ CSAH 6
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN NATIONAL RAILWAY	RailRoad Name	CANADIAN NATIONAL RAILWAY
695010D	USDOT Number	695010D
0.1	Located at Milepoint	0.1
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
0	Last Year Protection Upgraded	0
56	Crossing Length	56
0	Last Year Surfaced	0
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	0.1 * 2836301.47 / 60 * 25 * 1.15	\$135,906
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2904 * 45.26 / 15 * 25	\$21,906
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 87968.99 / 60 * 25	\$3,665
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 + \$135,906 + \$21,906 + \$3,665 + \$350,000 + \$98,000	\$609,477
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-627-020

Original

Current

LANCASTER	Municipality	LANCASTER
0.38	Segment Length	0.38
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SOO LINE RR TO TH 59 IN LANCASTER	Termini	SOO LINE RR TO TH 59 IN LANCASTER
650	Present AADT	650
2017	Year of Count	2017
1	Projection Factor	1
650	Projected Traffic	650
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	0.38 * 408805.73 / 60 * 25 * 1.1	\$71,200
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.38 * 2112 * 45.26 / 20 * 25	\$45,405
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.38 * 10152.8 / 60 * 25	\$1,608
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$71,200 + \$45,405 + \$1,608	\$118,213

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-628-010

Original		Current
LAKE BRONSON	Municipality	LAKE BRONSON
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
TH 59 TO SOO LINE RR	Termini	TH 59 TO SOO LINE RR
700	Present AADT	700
2017	Year of Count	2017
1	Projection Factor	1
700	Projected Traffic	700
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
OVERLAY PROJECT TIED WITH A BIKE PATH PROJECT IN THE ROAD RIGHT OF WAY.	Comments	OVERLAY PROJECT TIED WITH A BIKE PATH PROJECT IN THE ROAD RIGHT OF WAY.
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695985P	USDOT Number	695985P
0.14	Located at Milepoint	0.14
1	Mainline Tracks	1
SIGNALS ONLY	Protection Type	SIGNALS ONLY
2000	Last Year Protection Upgraded	2000
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	0.15 * 2836301.47 / 60 * 25 * 1.15	\$203,859
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.15 * 2904 * 45.26 / 15 * 25	\$32,859
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.15 * 87968.99 / 60 * 25	\$5,498
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 + \$203,859 + \$32,859 + \$5,498 + \$300,000 + \$84,000	\$626,216
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-628-011

Original

Current

LAKE BRONSON	Municipality	LAKE BRONSON
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
SOO LINE RR TO 2ND AVE LAKE BRONSON	Termini	SOO LINE RR TO 2ND AVE LAKE BRONSON
470	Present AADT	470
2017	Year of Count	2017
1	Projection Factor	1
470	Projected Traffic	470
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 628-010 Rec Trail Paving	Comments	2017 SAP 628-010 Rec Trail Paving
OVERLAYED IN 2002		OVERLAYED IN 2002
	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 * 2836301.47 / 60 * 25 * 1.15	\$149,497
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.11 * 2904 * 45.26 / 15 * 25	\$24,096
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.11 * 87968.99 / 60 * 25	\$4,032
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$149,497 + \$24,096 + \$4,032	\$177,625

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-628-020

Original

Current

LAKE BRONSON	Municipality	LAKE BRONSON
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
2ND AVE TO E LIM LAKE BRONSON	Termini	2ND AVE TO E LIM LAKE BRONSON
470	Present AADT	470
2017	Year of Count	2017
1	Projection Factor	1
470	Projected Traffic	470
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 628-010 Rec Trail Paving	Comments	2017 SAP 628-010 Rec Trail Paving
OVERLAYED IN 2002		OVERLAYED IN 2002
	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 * 408805.73 / 60 * 25 * 1.1	\$52,463
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.28 * 2112 * 45.26 / 20 * 25	\$33,456
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.28 * 10152.8 / 60 * 25	\$1,184
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$52,463 + \$33,456 + \$1,184	\$87,103

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-628-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.1	Segment Length	1.1
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM LAKE BRONSON TO ENTR LAKE BRONSON ST PK	Termini	E LIM LAKE BRONSON TO ENTR LAKE BRONSON ST PK
200	Present AADT	200
2017	Year of Count	2017
1	Projection Factor	1
200	Projected Traffic	200
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
OVERLAYED, TIED WITH BIKE PATH PROJECT.	Comments	OVERLAYED, TIED WITH BIKE PATH PROJECT.
	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 * 408805.73 / 60 * 25 * 1.1	\$206,106
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.1 * 2112 * 45.26 / 20 * 25	\$131,435
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.1 * 10152.8 / 60 * 25	\$4,653
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$206,106 + \$131,435 + \$4,653	\$342,194

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : 035-628-050

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
ENTRANCE OF LAKE BRONSON STATE PARK TO CSAH 10	Termini	ENTRANCE OF LAKE BRONSON STATE PARK TO CSAH 10
140	Present AADT	140
2017	Year of Count	2017
1	Projection Factor	1
140	Projected Traffic	140
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	

Bridge Information

Status: Original

Original		Current
7498	Structure Number	7498
2.2	Milepoint	2.2
1937	Year Built	1937
S BR TWO RIVERS (DAM)	Feature Crossed	S BR TWO RIVERS (DAM)
	Type of Service	
	Number of Spans	
68.4	Bridge Length	68.4
22.8	Bridge Width	22.8
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	1 * 408805.73 / 60 * 25 * 1.1	\$187,369
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 45.26 / 20 * 25	\$119,486
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 10152.8 / 60 * 25	\$4,230
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	68.4 * 22.8 * 173 / 80 * 25 * 1.15	\$96,958
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$187,369 + \$119,486 + \$4,230 + \$96,958	\$408,043

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-628-060

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.8	Segment Length	0.8
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.0 MI N CSAH 10 TO 0.8 MI SE INTO STATE PARK	Termini	1.0 MI N CSAH 10 TO 0.8 MI SE INTO STATE PARK
140	Present AADT	140
2017	Year of Count	2017
1	Projection Factor	1
140	Projected Traffic	140
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	0.8 * 408805.73 / 60 * 25 * 1.1	\$149,895
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2112 * 45.26 / 20 * 25	\$95,589
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 10152.8 / 60 * 25	\$3,384
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$149,895 + \$95,589 + \$3,384	\$248,868

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-629-010

Original

Current

ST VINCENT	Municipality	ST VINCENT
0.75	Segment Length	0.75
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
4TH ST TO TH 171	Termini	4TH ST TO TH 171
90	Present AADT	90
2017	Year of Count	2017
1	Projection Factor	1
90	Projected Traffic	90
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
THTB-NOT ELIGIBLE FOR TB FUNDS	Special Message Code	THTB-NOT ELIGIBLE FOR TB FUNDS
2017 SAP 035-629-001 OL	Comments	2017 SAP 035-629-001 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	0.75 * 408805.73 / 60 * 25 * 1.1	\$140,527
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.75 * 2112 * 45.26 / 20 * 25	\$89,615
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.75 * 10152.8 / 60 * 25	\$3,173
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$140,527 + \$89,615 + \$3,173	\$233,315

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-630-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.4	Segment Length	3.4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 75 TO 3.4 MI. NORTH	Termini	TH 75 TO 3.4 MI. NORTH
55	Present AADT	55
2017	Year of Count	2017
1	Projection Factor	1
55	Projected Traffic	55
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 035-630-003	Comments	2012 SAP 035-630-003
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.4 * 204402.87 / 60 * 25 * 1.1	\$318,528
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.4 * 546 * 10.75 / 2 * 25	\$249,454
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.4 * 12036.35 / 60 * 25	\$17,051
Total Segment Cost	Construction + Preservation + ROW	\$318,528 + \$249,454 + \$17,051	\$585,033

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	KITTSON	Segment Nbr : 035-630-011
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM 3.4 MI. N. OF JCT TH75 TO 3.8 MI. N.	Termini	FROM 3.4 MI. N. OF JCT TH75 TO 3.8 MI. N.
55	Present AADT	55
2017	Year of Count	2017
1	Projection Factor	1
55	Projected Traffic	55
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 035-630-003 FOR FUTURE BIT. SURFACE & AGG. SHLDR.	Comments	2012 SAP 035-630-003 FOR FUTURE BIT. SURFACE & AGG. SHLDR.
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
35J35	Structure Number	35J35
3.583	Milepoint	3.583
2004	Year Built	2004
JOE RIVER	Feature Crossed	JOE RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
7	Culvert Height	7
64	Culvert Length	64
101.99979279	Area of Waterway Opening	101.99979279
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
92272	Structure Number	92272
3.67	Milepoint	3.67
1967	Year Built	1967
JOE RIVER	Feature Crossed	JOE RIVER
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
7	Culvert Height	7
40	Culvert Length	40
101.99979279	Area of Waterway Opening	101.99979279
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.4 * 204402.87 / 60 * 25 * 1.1$	\$37,474
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.4 * 546 * 10.75 / 2 * 25$	\$29,348
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.4 * 12036.35 / 60 * 25$	\$2,006
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$64 * 101.99979279 * 18.01 / 100 * 25 * 1.15$	\$33,801
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$40 * 101.99979279 * 18.01 / 100 * 25 * 1.15$	\$21,126
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert	$\$37,474 + \$29,348 + \$2,006 + \$33,801 + \$21,126$	\$123,755

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-630-012

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
3.8 MI. N. OF TH 75 TO 4.5 MI. N.	Termini	3.8 MI. N. OF TH 75 TO 4.5 MI. N.
55	Present AADT	55
2017	Year of Count	2017
1	Projection Factor	1
55	Projected Traffic	55
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 035-630-003	Comments	2012 SAP 035-630-003
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.7 * 204402.87 / 60 * 25 * 1.1	\$65,579
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.7 * 546 * 10.75 / 2 * 25	\$51,358
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.7 * 12036.35 / 60 * 25	\$3,511
Total Segment Cost	Construction + Preservation + ROW	\$65,579 + \$51,358 + \$3,511	\$120,448

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-630-015

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
2.20 MI TO 1.70 MI E OF CSAH 16	Termini	2.20 MI TO 1.70 MI E OF CSAH 16
55	Present AADT	55
2017	Year of Count	2017
1	Projection Factor	1
55	Projected Traffic	55
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 035-630-003	Comments	2012 SAP 035-630-003
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 204402.87 / 60 * 25 * 1.1	\$46,842
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 546 * 10.75 / 2 * 25	\$36,684
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 12036.35 / 60 * 25	\$2,508
Total Segment Cost	Construction + Preservation + ROW	\$46,842 + \$36,684 + \$2,508	\$86,034

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : **035-630-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.7	Segment Length	1.7
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.7 MI E TO CSAH 16	Termini	1.7 MI E TO CSAH 16
55	Present AADT	55
2017	Year of Count	2017
1	Projection Factor	1
55	Projected Traffic	55
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 035-630-003	Comments	2012 SAP 035-630-003
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92270	Structure Number	92270
6.61	Milepoint	6.61
1967	Year Built	1967
SALT COULEE	Feature Crossed	SALT COULEE
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
14	Culvert Width	14
8	Culvert Height	8
60	Culvert Length	60
81.00050028	Area of Waterway Opening	81.00050028
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
92271	Structure Number	92271
5.67	Milepoint	5.67
1967	Year Built	1967
JOE RIVER	Feature Crossed	JOE RIVER
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
7	Culvert Height	7
70	Culvert Length	70
101.99979279	Area of Waterway Opening	101.99979279
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	$1.7 * 204402.87 / 60 * 25 * 1.1$	\$159,264
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	$1.7 * 546 * 10.75 / 2 * 25$	\$124,727
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	$1.7 * 12036.35 / 60 * 25$	\$8,526
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	$60 * 81.00050028 * 18.01 / 100 * 25 * 1.15$	\$25,165
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	$70 * 101.99979279 * 18.01 / 100 * 25 * 1.15$	\$36,970
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert	$\$159,264 + \$124,727 + \$8,526 + \$25,165 + \$36,970$	\$354,652

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-631-010

Original

Current

KARLSTAD	Municipality	KARLSTAD
0.65	Segment Length	0.65
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 9 TO TH 11	Termini	CSAH 9 TO TH 11
155	Present AADT	155
2017	Year of Count	2017
1	Projection Factor	1
155	Projected Traffic	155
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	$Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost$	$0.65 * 408805.73 / 60 * 25 * 1.1$	\$121,790
Preservation	$Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear$	$0.65 * 2112 * 45.26 / 20 * 25$	\$77,666
ROW	$Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear$	$0.65 * 10152.8 / 60 * 25$	\$2,750
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$121,790 + \$77,666 + \$2,750	\$202,206

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-632-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.3	Segment Length	0.3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 11 TO W. LIMS KARLSTAD	Termini	TH 11 TO W. LIMS KARLSTAD
135	Present AADT	135
2017	Year of Count	2017
1	Projection Factor	1
135	Projected Traffic	135
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 035-632-001 Reconst	Comments	2018 SAP 035-632-001 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	0.3 * 408805.73 / 60 * 25 * 1.1	\$56,211
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 45.26 / 20 * 25	\$35,846
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 10152.8 / 60 * 25	\$1,269
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$56,211 + \$35,846 + \$1,269	\$93,326

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-632-020

Original

Current

KARLSTAD	Municipality	KARLSTAD
0.15	Segment Length	0.15
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIMS KARLSTAD TO CSAH 14	Termini	W LIMS KARLSTAD TO CSAH 14
135	Present AADT	135
2017	Year of Count	2017
1	Projection Factor	1
135	Projected Traffic	135
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 035-632-001 Reconst	Comments	2018 SAP 035-632-001 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	0.15 * 408805.73 / 60 * 25 * 1.1	\$28,105
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.15 * 2112 * 45.26 / 20 * 25	\$17,923
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.15 * 10152.8 / 60 * 25	\$635
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$28,105 + \$17,923 + \$635	\$46,663

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-633-010

Original

Current

Unassigned/Unknown
1.5
MIXED BITUMINOUS
2
NOT DIVIDED
CSAH 1 TO W LIMS HALLOCK
310
2017
1
310
RURAL
2 - RURAL : 150 - 1499
2012
0
No Special Message
2012 SAP 035-633-003 OL

GRADED UNDER PLAN # SAP 35-633-001

PLAN TO CONSTR. BIT. SURF.
AND AGG. SHLDR. IN 2006 UNDER
NEW CONTRACT - THIS IS NOW
COMPLETE AS REPORTED

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

Unassigned/Unknown
1.5
MIXED BITUMINOUS
2
NOT DIVIDED
CSAH 1 TO W LIMS HALLOCK
310
2017
1
310
RURAL
2 (RURAL : 150 - 1499)
2012
0
No Special Message
2012 SAP 035-633-003 OL

GRADED UNDER PLAN # SAP 35-633-001

PLAN TO CONSTR. BIT. SURF.
AND AGG. SHLDR. IN 2006 UNDER
NEW CONTRACT - THIS IS NOW
COMPLETE AS REPORTED

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 * 408805.73 / 60 * 25 * 1.1	\$281,054
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.5 * 2112 * 45.26 / 20 * 25	\$179,230
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.5 * 10152.8 / 60 * 25	\$6,346
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$281,054 + \$179,230 + \$6,346	\$466,630

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : **035-633-020**

Original		Current
HALLOCK	Municipality	HALLOCK
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 HALLOCK TO TH 75	Termini	W LIM HALLOCK TO TH 75
310	Present AADT	310
2017	Year of Count	2017
1	Projection Factor	1
310	Projected Traffic	310
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 035-633-003 OL	Comments	2012 SAP 035-633-003 OL
GRADED UNDER PLAN # 35-633-001		GRADED UNDER PLAN # 35-633-001
SAP 35-633-002		SAP 35-633-002
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081605H	USDOT Number	081605H
0.1	Located at Milepoint	0.1
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
48	Crossing Length	48
0	Last Year Surfaced	0
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	0.1 * 408805.73 / 60 * 25 * 1.1	\$18,737
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 45.26 / 20 * 25	\$11,949
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 10152.8 / 60 * 25	\$423
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 + \$18,737 + \$11,949 + \$423 + \$2,000 + \$84,000	\$117,109

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : KITTSON Segment Nbr : 035-634-010

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 1 TO TH 175	Termini	CSAH 1 TO TH 175
60	Present AADT	60
2017	Year of Count	2017
1	Projection Factor	1
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
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
97790	Structure Number	97790
1.56	Milepoint	1.56
1995	Year Built	1995
STREAM	Feature Crossed	STREAM
	Type of Service	
2	Number of Barrels	2
7	Culvert Width	7
5	Culvert Height	5
50	Culvert Length	50
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	2 * 408805.73 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 45.26 / 20 * 25	\$238,973
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 10152.8 / 60 * 25	\$8,461
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	50 * 51.00043459 * 18.01 / 100 * 25 * 1.15	\$13,204
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$374,739 + \$238,973 + \$8,461 + \$13,204	\$635,377

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-635-010

Original

Current

ST VINCENT	Municipality	ST VINCENT
0.47	Segment Length	0.47
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 29 TO TH 171	Termini	CSAH 29 TO TH 171
220	Present AADT	220
2017	Year of Count	2017
1	Projection Factor	1
220	Projected Traffic	220
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	0.47 * 408805.73 / 60 * 25 * 1.1	\$88,064
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.47 * 2112 * 45.26 / 20 * 25	\$56,159
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.47 * 10152.8 / 60 * 25	\$1,988
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$88,064 + \$56,159 + \$1,988	\$146,211

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : KITTSON Segment Nbr : 035-636-010

Original	Current
Unassigned/Unknown	Unassigned/Unknown
1.6	1.6
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
JCT. T.H. 59 TO CSAH 15	JCT. T.H. 59 TO CSAH 15
30	30
2017	2017
1	1
30	30
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2008	2008
0	0
No Special Message	No Special Message
GRADED IN 2006 WITH AGG. BASE, NEEDS BIT. LANE SURFACING AND AGG. SHOULDERS.	GRADED IN 2006 WITH AGG. BASE, NEEDS BIT. LANE SURFACING AND AGG. SHOULDERS.
SAP 35-636-001	SAP 35-636-001
SAP 35-636-02, 2008 SURFACED	SAP 35-636-02, 2008 SURFACED
	Interchange Override
	Segment Override

RailRoadCrossing Information

Status: Original

Original	Current
CANADIAN PACIFIC RAILWAY	CANADIAN PACIFIC RAILWAY
695994N	695994N
0.05	0.05
0	0
SIGNS ONLY	SIGNS ONLY
0	0
54	54
0	0
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	1.6 * 408805.73 / 60 * 25 * 1.1	\$299,791
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.6 * 2112 * 45.26 / 20 * 25	\$191,178
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.6 * 10152.8 / 60 * 25	\$6,769
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000

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 + \$299,791 + \$191,178 + \$6,769 + \$2,000 + \$94,500	\$594,238

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-637-005

Original

Current

HALLOCK	Municipality	HALLOCK
0.39	Segment Length	0.39
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
JCT. TH 75 TO ALLEY BETWEEN 6TH & 7TH S. HALLOCK	Termini	JCT. TH 75 TO ALLEY BETWEEN 6TH & 7TH S. HALLOCK
405	Present AADT	405
2017	Year of Count	2017
1	Projection Factor	1
405	Projected Traffic	405
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
ONE FINAL LIFT OF BIT. (2") LEFT TO CONSTRUCT AS PART OF 2007 RECONSTRUCTION PROJECT. STAGED CONSTRUCTION, LAST LIFT OF BITUMINOUS TO BE DONE IN A FUTURE PROJECT. SAP 35-637-001, 2001 LAST LIFT WAS DONE ON THE 2008 CONTRACT.	Comments	ONE FINAL LIFT OF BIT. (2") LEFT TO CONSTRUCT AS PART OF 2007 RECONSTRUCTION PROJECT. STAGED CONSTRUCTION, LAST LIFT OF BITUMINOUS TO BE DONE IN A FUTURE PROJECT. SAP 35-637-001, 2001 LAST LIFT WAS DONE ON THE 2008 CONTRACT.
SURFACED 2008, SAP 35-637-004		SURFACED 2008, SAP 35-637-004

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	0.39 * 2836301.47 / 60 * 25 * 1.15	\$530,034
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.39 * 2904 * 45.26 / 15 * 25	\$85,433
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.39 * 87968.99 / 60 * 25	\$14,295
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$530,034 + \$85,433 + \$14,295	\$629,762

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-637-015

Original

Current

HALLOCK	Municipality	HALLOCK
0.18	Segment Length	0.18
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
JCT. ALLEY BTWN. 6/7TH ST. S. TO 4TH ST. S. HALLOCK	Termini	JCT. ALLEY BTWN. 6/7TH ST. S. TO 4TH ST. S. HALLOCK
405	Present AADT	405
2017	Year of Count	2017
1	Projection Factor	1
405	Projected Traffic	405
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
NEW CSAH ROAD & SEGMENT IN 2001, PROPOSED RECONSTR. IN 2008	Comments	NEW CSAH ROAD & SEGMENT IN 2001, PROPOSED RECONSTR. IN 2008
GRADED IN 2008, SAP 35-637-004		GRADED IN 2008, SAP 35-637-004
WEAR COURSE 2009 W/LOCAL FUNDS		WEAR COURSE 2009 W/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	0.18 * 2836301.47 / 60 * 25 * 1.15	\$244,631
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.18 * 2904 * 45.26 / 15 * 25	\$39,431
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.18 * 87968.99 / 60 * 25	\$6,598
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$244,631 + \$39,431 + \$6,598	\$290,660

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : **035-637-020**

Original		Current
HALLOCK	Municipality	HALLOCK
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
4TH ST. TO 2ND ST.	Termini	4TH ST. TO 2ND ST.
930	Present AADT	930
2017	Year of Count	2017
1	Projection Factor	1
930	Projected Traffic	930
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
NEW CSAH ROAD & SEGMENT # IN 2001	Comments	NEW CSAH ROAD & SEGMENT # IN 2001
GRADED 2008, SAP 35-637-004		GRADED 2008, SAP 35-637-004
WEAR COURSE 2009 W/LOCAL FUNDS		WEAR COURSE 2009 W/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	0.15 * 2836301.47 / 60 * 25 * 1.15	\$203,859
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.15 * 2904 * 45.26 / 15 * 25	\$32,859
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.15 * 87968.99 / 60 * 25	\$5,498
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$203,859 + \$32,859 + \$5,498	\$242,216

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-637-025

Original

Current

HALLOCK	Municipality	HALLOCK
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
2ND ST. S. TO JCT. TH 175	Termini	2ND ST. S. TO JCT. TH 175
930	Present AADT	930
2017	Year of Count	2017
1	Projection Factor	1
930	Projected Traffic	930
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 UNDER PLAN # SAP 35-637-002	Comments	CONSTRUCTED UNDER PLAN # SAP 35-637-002
NEW CSAH ROAD & SEGMENT # IN 2001		NEW CSAH ROAD & SEGMENT # 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	0.05 * 2836301.47 / 60 * 25 * 1.15	\$67,953
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.05 * 2904 * 45.26 / 15 * 25	\$10,953
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.05 * 87968.99 / 60 * 25	\$1,833
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$67,953 + \$10,953 + \$1,833	\$80,739

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSON

Segment Nbr : 035-638-010

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 19 TO CSAH 20	Termini	CSAH 19 TO CSAH 20
45	Present AADT	45
2017	Year of Count	2017
1	Projection Factor	1
45	Projected Traffic	45
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2009	Latest Year SA funds	2009
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
GRADED 2009, SAP 35-638-001	Comments	GRADED 2009, SAP 35-638-001
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 204402.87 / 60 * 25 * 1.1	\$374,739
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 546 * 10.75 / 2 * 25	\$293,475
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 12036.35 / 60 * 25	\$20,061
Total Segment Cost	Construction + Preservation + ROW	\$374,739 + \$293,475 + \$20,061	\$688,275

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

KITTSOON

Segment Nbr : 035-639-010

Original

Current

KENNEDY	Municipality	KENNEDY
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
ON 5TH ST FROM JCT. TH 75 TO NEW AVE.	Termini	ON 5TH ST FROM JCT. TH 75 TO NEW AVE.
280	Present AADT	280
2017	Year of Count	2017
1	Projection Factor	1
280	Projected Traffic	280
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
0	Latest Year SA funds	0
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
DIVIDED URBAN AND RURAL SEGMENTS	Comments	DIVIDED URBAN AND RURAL SEGMENTS
NEW SEGMENT ADDED TO CSAH SYSTEM FROM BANKED MILEAGE.		NEW SEGMENT ADDED TO CSAH SYSTEM FROM BANKED MILEAGE.
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original

Current

35J38	Structure Number	35J38
0.044	Milepoint	0.044
2007	Year Built	2007
CD # 27	Feature Crossed	CD # 27
	Type of Service	
2	Number of Barrels	2
14	Culvert Width	14
9	Culvert Height	9
50	Culvert Length	50
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	0.06 * 2836301.47 / 60 * 25 * 1.15	\$81,544
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.06 * 2904 * 45.26 / 15 * 25	\$13,144
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.06 * 87968.99 / 60 * 25	\$2,199

Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	50 * 252.00012124 * 18.01 / 100 * 25 * 1.15	\$65,241
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$81,544 + \$13,144 + \$2,199 + \$65,241	\$162,128

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : KITTSON Segment Nbr : 035-639-015

Original		Current
KENNEDY	Municipality	KENNEDY
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
ON NEW AVE. 5TH ST NORTH TO JCT. CSAH 7	Termini	ON NEW AVE. 5TH ST NORTH TO JCT. CSAH 7
280	Present AADT	280
2017	Year of Count	2017
1	Projection Factor	1
280	Projected Traffic	280
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
0	Latest Year SA funds	0
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
DIVIDED URBAN AND RURAL SEGMENTS	Comments	DIVIDED URBAN AND RURAL SEGMENTS
NEW SEGMENT ADDED TO CSAH SYSTEM FROM BANKED MILEAGE		NEW SEGMENT ADDED TO CSAH SYSTEM FROM BANKED MILEAGE
	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 * 408805.73 / 60 * 25 * 1.1	\$22,484
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.12 * 2112 * 45.26 / 20 * 25	\$14,338
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.12 * 10152.8 / 60 * 25	\$508
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$22,484 + \$14,338 + \$508	\$37,330

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **KITTSON** Segment Nbr : **035-640-010**

Original		Current
HALLOCK	Municipality	HALLOCK
0.08	Segment Length	0.08
PORT CEMENT CONC	Existing Surface Type	PORT CEMENT CONC
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM JCT. TH 75 THEN EAST TO JCT. CSAH 37 (BIRCH AVE.)	Termini	FROM JCT. TH 75 THEN EAST TO JCT. CSAH 37 (BIRCH AVE.)
300	Present AADT	300
2017	Year of Count	2017
1	Projection Factor	1
300	Projected Traffic	300
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 035-640-001 Reconst TH75 to Birch Ave	Comments	2017 SAP 035-640-001 Reconst TH75 to Birch Ave
NEW CSAH SEGMENT ADDED FROM BANKED MILEAGE IN 2008		NEW CSAH SEGMENT ADDED FROM BANKED MILEAGE IN 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	0.08 * 2836301.47 / 60 * 25 * 1.15	\$108,725
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2904 * 45.26 / 15 * 25	\$17,525
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 87968.99 / 60 * 25	\$2,932
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$108,725 + \$17,525 + \$2,932	\$129,182