

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	BELTRAMI	Segment Nbr : 004-601-010
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
0.7 MI NO OF CO RD 706 TO NO CO LINE	Termini	0.7 MI NO OF CO RD 706 TO NO CO LINE
400	Present AADT	400
2018	Year of Count	2018
1.1	Projection Factor	1.1
440	Projected Traffic	440
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
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original		Current
91578	Structure Number	91578
0	Milepoint	0
1978	Year Built	1978
MOOSE RIVER (JD #21)	Feature Crossed	MOOSE RIVER (JD #21)
	Type of Service	
3	Number of Barrels	3
10	Culvert Width	10
10	Culvert Height	10
37.5	Culvert Length	37.5
299.99958051	Area of Waterway Opening	299.99958051
50%	Shared Structure	50%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original		Current
93334	Structure Number	93334
3.77	Milepoint	3.77
1978	Year Built	1978
JUD DITCH # 21;BR A	Feature Crossed	JUD DITCH # 21;BR A
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
7	Culvert Height	7
56	Culvert Length	56
102.9997591	Area of Waterway Opening	102.9997591
50%	Shared Structure	50%
SHARED W/ MARSHALL THEY DO INSPECTION	Comments	SHARED W/ MARSHALL THEY DO INSPECTION
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 * 921437.49 / 60 * 25 * 1.1	\$2,449,488
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.8 * 2112 * 48.4 / 20 * 25	\$741,101
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.8 * 15202.93 / 60 * 25	\$36,740
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost * PercentOfCost	37.5 * 299.99958051 * 18.01 / 100 * 25 * 1.15 * 50%	\$29,126
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost * PercentOfCost	56 * 102.9997591 * 18.01 / 100 * 25 * 1.15 * 50%	\$14,933
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$2,449,488 + \$741,101 + \$36,740 + \$29,126 + \$14,933	\$3,271,388

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-602-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.9	Segment Length	0.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.9 MI W TH 71 TO TH 71	Termini	0.9 MI W TH 71 TO TH 71
1300	Present AADT	1300
2018	Year of Count	2018
1.1	Projection Factor	1.1
1430	Projected Traffic	1430
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1987	Latest Year SA funds	1987
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.9 * 921437.49 / 60 * 25 * 1.1	\$380,093
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.9 * 2112 * 48.4 / 20 * 25	\$114,998
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.9 * 15202.93 / 60 * 25	\$5,701
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$380,093 + \$114,998 + \$5,701	\$500,792

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-602-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.4	Segment Length	2.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 71 TO HUBBARD 36	Termini	TH 71 TO HUBBARD 36
560	Present AADT	560
2018	Year of Count	2018
1.1	Projection Factor	1.1
616	Projected Traffic	616
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.4 * 921437.49 / 60 * 25 * 1.1	\$1,013,581
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.4 * 2112 * 48.4 / 20 * 25	\$306,662
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.4 * 15202.93 / 60 * 25	\$15,203
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,013,581 + \$306,662 + \$15,203	\$1,335,446

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-602-030

Original	Current
Unassigned/Unknown	Unassigned/Unknown
0.2	0.2
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
HUBBARD CSAH 36 (CO LINE) TO US 2	HUBBARD CSAH 36 (CO LINE) TO US 2
195	195
2018	2018
1.1	1.1
215	215
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2018	2018
0	0
No Special Message	No Special Message
2018 SAP 004-602-006 tied to 029-636-008 Overlay	2018 SAP 004-602-006 tied to 029-636-008 Overlay
C.O. 93007 RENUMBER CSAH 45 TO CSAH 2	C.O. 93007 RENUMBER CSAH 45 TO CSAH 2
	Interchange Override
	Segment Override

RailRoadCrossing Information

Status: Original

Original	Current
BURLINGTON NORTHERN SANTA FE RAILWAY	BURLINGTON NORTHERN SANTA FE RAILWAY
097814N	097814N
3.4	3.4
1	1
SIGNALS & GATES	SIGNALS & GATES
0	0
32	32
0	0
100%	100%
FORMERLY ON CSAH 45 DELETED THAT ROUTE A FEW YRS AGO	FORMERLY ON CSAH 45 DELETED THAT ROUTE A FEW YRS AGO

Segment Cost Information

Computation Factor	Computation 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 * 921437.49 / 60 * 25 * 1.1	\$84,465
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 48.4 / 20 * 25	\$25,555
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 15202.93 / 60 * 25	\$1,267
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000

RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	32 * 1750 / 25 * 25	\$56,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$84,465 + \$25,555 + \$1,267 + \$350,000 + \$56,000	\$517,287

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-603-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.8	Segment Length	4.8
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 22 TO 4.8 MI N	Termini	CSAH 22 TO 4.8 MI N
195	Present AADT	195
2018	Year of Count	2018
1.1	Projection Factor	1.1
215	Projected Traffic	215
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 - SAP 004-603-005 M&OL .27MILES, HMA IN 2013	Comments	2013 - SAP 004-603-005 M&OL .27MILES, HMA IN 2013
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
15J03	Structure Number	15J03
0	Milepoint	0
2000	Year Built	2000
CLEARWATER RIVER	Feature Crossed	CLEARWATER RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
12.833	Culvert Width	12.833
8.083	Culvert Height	8.083
54	Culvert Length	54
162.99989048	Area of Waterway Opening	162.99989048
50%	Shared Structure	50%
SHARED WITH CLEARWATER (17)	Comments	SHARED WITH CLEARWATER (17)
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.8 * 921437.49 / 60 * 25 * 1.1	\$2,027,162
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.8 * 2112 * 48.4 / 20 * 25	\$613,325
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.8 * 15202.93 / 60 * 25	\$30,406
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost * PercentOfCost	54 * 162.99989048 * 18.01 / 100 * 25 * 1.15 * 50%	\$22,788

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,027,162 + \$613,325 + \$30,406 + \$22,788	\$2,693,681
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-604-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.5	Segment Length	3.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.9 MI E OF TH 2 TO SO CO LINE	Termini	0.9 MI E OF TH 2 TO SO CO LINE
310	Present AADT	310
2018	Year of Count	2018
1.1	Projection Factor	1.1
341	Projected Traffic	341
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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	3.5 * 921437.49 / 60 * 25 * 1.1	\$1,478,139
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.5 * 2112 * 48.4 / 20 * 25	\$447,216
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.5 * 15202.93 / 60 * 25	\$22,171
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,478,139 + \$447,216 + \$22,171	\$1,947,526

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-605-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.1	Segment Length	5.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SOUTH COUNTY LINE TO CSAH 16	Termini	SOUTH COUNTY LINE TO CSAH 16
445	Present AADT	445
2018	Year of Count	2018
1.1	Projection Factor	1.1
490	Projected Traffic	490
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
04505	Structure Number	04505
1.58	Milepoint	1.58
1967	Year Built	1967
MISSISSIPPI RIVER	Feature Crossed	MISSISSIPPI RIVER
	Type of Service	
	Number of Spans	
69.2	Bridge Length	69.2
31.7	Bridge Width	31.7
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: Original

Original		Current
97677	Structure Number	97677
3.17	Milepoint	3.17
1998	Year Built	1998
LITTLE MISSISSIPPI RIVER	Feature Crossed	LITTLE MISSISSIPPI RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
72	Culvert Length	72
131.99985848	Area of Waterway Opening	131.99985848
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

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

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$5.1 * 921437.49 / 60 * 25 * 1.1$	\$2,153,860
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$5.1 * 2112 * 48.4 / 20 * 25$	\$651,658
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$5.1 * 15202.93 / 60 * 25$	\$32,306
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$69.2 * 31.7 * 173 / 80 * 25 * 1.15$	\$136,383
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$72 * 131.99985848 * 18.01 / 100 * 25 * 1.15$	\$49,210
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	$\$0 + \$2,153,860 + \$651,658 + \$32,306 + \$136,383 + \$49,210$	\$3,023,417

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-605-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 16 TO SO LIM SOLWAY	Termini	CSAH 16 TO SO LIM SOLWAY
445	Present AADT	445
2018	Year of Count	2018
1.1	Projection Factor	1.1
490	Projected Traffic	490
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 004-605-027 Reconst	Comments	2018 SAP 004-605-027 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	2 * 921437.49 / 60 * 25 * 1.1	\$844,651
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 48.4 / 20 * 25	\$255,552
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 15202.93 / 60 * 25	\$12,669
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$844,651 + \$255,552 + \$12,669	\$1,112,872

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-605-040**

Original		Current
SOLWAY	Municipality	SOLWAY
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 Solway to 0.04 Mi So of TH	Termini	SO Lim Solway to 0.04 Mi So of TH
2		2
445	Present AADT	445
2018	Year of Count	2018
1.1	Projection Factor	1.1
490	Projected Traffic	490
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 004-605-027 Reconst	Comments	2018 SAP 004-605-027 Reconst
2018 RR xing SAP 004-605-031		2018 RR xing SAP 004-605-031
Agreement No. 1029780		Agreement No. 1029780
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081813J	USDOT Number	081813J
7.4	Located at Milepoint	7.4
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
0	Last Year Protection Upgraded	0
32	Crossing Length	32
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
Not shared with MSAS System.	Comments	Not shared with MSAS System.
100% on CSAH for costs, JP		100% on CSAH for costs, JP
SAP 004-605-031 Percent of cost =		SAP 004-605-031 Percent of cost =
10%		10%
Agreement No. 1029780		Agreement No. 1029780
SP 04-00112		SP 04-00112

Segment Cost Information

Computation Factor	Computation 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 * 921437.49 / 60 * 25 * 1.1	\$143,591
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.34 * 2112 * 48.4 / 20 * 25	\$43,444
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.34 * 15202.93 / 60 * 25	\$2,154
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000

RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	32 * 1750 / 25 * 25	\$56,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$143,591 + \$43,444 + \$2,154 + \$350,000 + \$56,000	\$595,189

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-605-041

Original		Current
SOLWAY	Municipality	SOLWAY
0.04	Segment Length	0.04
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.04 Mi So to TH 2	Termini	0.04 Mi So to TH 2
750	Present AADT	750
2018	Year of Count	2018
1.1	Projection Factor	1.1
825	Projected Traffic	825
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 004-605-027 Reconst	Comments	2018 SAP 004-605-027 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	0.04 * 921437.49 / 60 * 25 * 1.1	\$16,893
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.04 * 2112 * 48.4 / 20 * 25	\$5,111
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.04 * 15202.93 / 60 * 25	\$253
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$16,893 + \$5,111 + \$253	\$22,257

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-605-050

Original		Current
SOLWAY	Municipality	SOLWAY
0.08	Segment Length	0.08
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO SECOND ST SOLWAY	Termini	TH 2 TO SECOND ST SOLWAY
750	Present AADT	750
2018	Year of Count	2018
1.1	Projection Factor	1.1
825	Projected Traffic	825
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 004-605-026 RC&OL	Comments	2014 SAP 004-605-026 RC&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 * 1615228.3 / 60 * 25 * 1.15	\$61,917
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2904 * 48.4 / 15 * 25	\$18,740
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 39859.48 / 60 * 25	\$1,329
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$61,917 + \$18,740 + \$1,329	\$81,986

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-605-060

Original		Current
SOLWAY	Municipality	SOLWAY
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
SECOND TO FOURTH ST SOLWAY	Termini	SECOND TO FOURTH ST SOLWAY
750	Present AADT	750
2018	Year of Count	2018
1.1	Projection Factor	1.1
825	Projected Traffic	825
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 004-605-026 RC&OL	Comments	2014 SAP 004-605-026 RC&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	$Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost$	$0.12 * 921437.49 / 60 * 25 * 1.1$	\$50,679
Preservation	$Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear$	$0.12 * 2112 * 48.4 / 20 * 25$	\$15,333
ROW	$Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear$	$0.12 * 15202.93 / 60 * 25$	\$760
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	$\$0 + \$50,679 + \$15,333 + \760	\$66,772

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-605-080**

Original		Current
SOLWAY	Municipality	SOLWAY
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
FOURTH TO NORTH LIMITS SOLWAY	Termini	FOURTH TO NORTH LIMITS SOLWAY
750	Present AADT	750
2018	Year of Count	2018
1.1	Projection Factor	1.1
825	Projected Traffic	825
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 004-605-026 RC&OL	Comments	2014 SAP 004-605-026 RC&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	0.46 * 921437.49 / 60 * 25 * 1.1	\$194,270
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.46 * 2112 * 48.4 / 20 * 25	\$58,777
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.46 * 15202.93 / 60 * 25	\$2,914
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$194,270 + \$58,777 + \$2,914	\$255,961

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-605-090**

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
N LIM SOLWAY TO 1ST AVE PINEWD	Termini	N LIM SOLWAY TO 1ST AVE PINEWD
750	Present AADT	750
2018	Year of Count	2018
1.1	Projection Factor	1.1
825	Projected Traffic	825
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 004-605-026 RC&OL	Comments	2014 SAP 004-605-026 RC&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 * 921437.49 / 60 * 25 * 1.1	\$2,111,628
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 48.4 / 20 * 25	\$638,880
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 15202.93 / 60 * 25	\$31,673
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,111,628 + \$638,880 + \$31,673	\$2,782,181

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-605-100

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
FIRST TO SECOND AVE PINEWOOD	Termini	FIRST TO SECOND AVE PINEWOOD
410	Present AADT	410
2018	Year of Count	2018
1.1	Projection Factor	1.1
451	Projected Traffic	451
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	0.1 * 921437.49 / 60 * 25 * 1.1	\$42,233
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 48.4 / 20 * 25	\$12,778
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 15202.93 / 60 * 25	\$633
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$42,233 + \$12,778 + \$633	\$55,644

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-605-110

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.4	Segment Length	5.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2ND AVE IN PINEWOOD TO CSAH 24	Termini	2ND AVE IN PINEWOOD TO CSAH 24
410	Present AADT	410
2018	Year of Count	2018
1.1	Projection Factor	1.1
451	Projected Traffic	451
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 004-605-028 RC&OL @ CSAH 24	Comments	2017 SAP 004-605-028 RC&OL @ CSAH 24
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.4 * 921437.49 / 60 * 25 * 1.1	\$2,280,558
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.4 * 2112 * 48.4 / 20 * 25	\$689,990
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.4 * 15202.93 / 60 * 25	\$34,207
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,280,558 + \$689,990 + \$34,207	\$3,004,755

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-605-120

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.4	Segment Length	2.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 24 TO 2.0 MI SO DEBS	Termini	CSAH 24 TO 2.0 MI SO DEBS
235	Present AADT	235
2018	Year of Count	2018
1.1	Projection Factor	1.1
259	Projected Traffic	259
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	2.4 * 921437.49 / 60 * 25 * 1.1	\$1,013,581
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.4 * 2112 * 48.4 / 20 * 25	\$306,662
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.4 * 15202.93 / 60 * 25	\$15,203
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,013,581 + \$306,662 + \$15,203	\$1,335,446

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-605-130

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.3	Segment Length	4.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.0 MI S DEBS TO C.S.A.H.32	Termini	2.0 MI S DEBS TO C.S.A.H.32
225	Present AADT	225
2018	Year of Count	2018
1.1	Projection Factor	1.1
248	Projected Traffic	248
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
97327	Structure Number	97327
24.91	Milepoint	24.91
1991	Year Built	1991
SANDY RIVER	Feature Crossed	SANDY RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
14	Culvert Width	14
10	Culvert Height	10
90	Culvert Length	90
98.99989386	Area of Waterway Opening	98.99989386
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	4.3 * 921437.49 / 60 * 25 * 1.1	\$1,816,000
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.3 * 2112 * 48.4 / 20 * 25	\$549,437
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.3 * 15202.93 / 60 * 25	\$27,239
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	90 * 98.99989386 * 18.01 / 100 * 25 * 1.15	\$46,135
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,816,000 + \$549,437 + \$27,239 + \$46,135	\$2,438,811

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-606-010

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 11 TO W CORP LIM BEMIDJI	Termini	CSAH 11 TO W CORP LIM BEMIDJI
3650	Present AADT	3650
2018	Year of Count	2018
1.1	Projection Factor	1.1
4015	Projected Traffic	4015
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
2012 SAP 004-606-004 SEALCOAT		2012 SAP 004-606-004 SEALCOAT
SURFACED 2008, SAP 4-606-003		SURFACED 2008, SAP 4-606-003
	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 * 976421.84 / 60 * 25 * 1.1	\$134,258
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2376 * 48.4 / 20 * 25	\$43,124
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 115284.28 / 60 * 25	\$14,411
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$134,258 + \$43,124 + \$14,411	\$191,793

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-606-020

Original		Current
BEMIDJI	Municipality	BEMIDJI
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 CORP LIM BEMIDJI TO E R/W LINE OF TH 2 BYPASS	Termini	W CORP LIM BEMIDJI TO E R/W LINE OF TH 2 BYPASS
3650	Present AADT	3650
2018	Year of Count	2018
1.1	Projection Factor	1.1
4015	Projected Traffic	4015
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 004-030-007 SEALCOAT 2012 SAP 004-606-004 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT 2012 SAP 004-606-004 SEALCOAT
SURFACED 2008, SAP 4-606-003		SURFACED 2008, SAP 4-606-003
	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 * 976421.84 / 60 * 25 * 1.1	\$89,505
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2376 * 48.4 / 20 * 25	\$28,750
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 115284.28 / 60 * 25	\$9,607
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$89,505 + \$28,750 + \$9,607	\$127,862

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-606-030

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.89	Segment Length	0.89
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E R/W LINE TH 2 BYPASS TO 0.11 MI W WAGNER AVE	Termini	E R/W LINE TH 2 BYPASS TO 0.11 MI W WAGNER AVE
3650	Present AADT	3650
2018	Year of Count	2018
1.1	Projection Factor	1.1
4015	Projected Traffic	4015
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 004-030-007 SEALCOAT 2012 SAP 004-606-004 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT 2012 SAP 004-606-004 SEALCOAT
SURFACED 2008, SAP 4-606-003		SURFACED 2008, SAP 4-606-003
	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	0.89 * 976421.84 / 60 * 25 * 1.1	\$398,299
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.89 * 2376 * 48.4 / 20 * 25	\$127,936
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.89 * 115284.28 / 60 * 25	\$42,751
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$398,299 + \$127,936 + \$42,751	\$568,986

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-606-040

Original		Current
BEMIDJI	Municipality	BEMIDJI
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
0.11 MI W WAGNER AVE TO NORTON AVE	Termini	0.11 MI W WAGNER AVE TO NORTON AVE
3250	Present AADT	3250
2018	Year of Count	2018
1.1	Projection Factor	1.1
3575	Projected Traffic	3575
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 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
ORDER 93490 TRADE W/BJI		ORDER 93490 TRADE W/BJI
2013 - SAP 004-606-005 RECONST 950FT W OF NORTON AVE		2013 - SAP 004-606-005 RECONST 950FT W OF NORTON AVE
	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 * 1615228.3 / 60 * 25 * 1.15	\$123,834
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.16 * 2904 * 48.4 / 15 * 25	\$37,481
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.16 * 39859.48 / 60 * 25	\$2,657
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$123,834 + \$37,481 + \$2,657	\$163,972

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-607-010**

Original	Current
Unassigned/Unknown	Unassigned/Unknown
6.6	6.6
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
SO CO LINE TO CSAH 14	SO CO LINE TO CSAH 14
1900	1900
2018	2018
1.1	1.1
2090	2090
RURAL	RURAL
3 - RURAL : 1500 - 6999	3 (RURAL : 1500 - 6999)
2017	2017
0	0
No Special Message	No Special Message
2017 SAP 004-030-007 SEALCOAT	2017 SAP 004-030-007 SEALCOAT
2012 SAP 004-607-020 SEALCOAT	2012 SAP 004-607-020 SEALCOAT
OVERLAYED UNDER SAP 04-607-16	OVERLAYED UNDER SAP 04-607-16
	Interchange Override
	Segment Override

Bridge Information

Status: Original

Original	Current
04512	04512
2.02	2.02
1981	1981
MISSISSIPPI RIVER	MISSISSIPPI RIVER
189.7	189.7
39.3	39.3
100%	100%
2 (150-999,999)	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	6.6 * 976421.84 / 60 * 25 * 1.1	\$2,953,676
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.6 * 2376 * 48.4 / 20 * 25	\$948,737
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.6 * 115284.28 / 60 * 25	\$317,032
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	189.7 * 39.3 * 141 / 80 * 25 * 1.15	\$377,769

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$2,953,676 + \$948,737 + \$317,032 + \$377,769	\$4,597,214
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-607-015**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 14 TO CSAH 11	Termini	CSAH 14 TO CSAH 11
4350	Present AADT	4350
2018	Year of Count	2018
1.1	Projection Factor	1.1
4785	Projected Traffic	4785
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 004-607-022 Reconst Roundabouts / M&OL	Comments	2018 SAP 004-607-022 Reconst Roundabouts / M&OL
2017 SAP 004-607-023 / 105-104-011 M&OL TIED TO ROUNDABOUT		2017 SAP 004-607-023 / 105-104-011 M&OL TIED TO ROUNDABOUT
2012 SAP 004-607-020 SEALCOAT		2012 SAP 004-607-020 SEALCOAT

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 * 976421.84 / 60 * 25 * 1.1	\$223,763
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2376 * 48.4 / 20 * 25	\$71,874
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 115284.28 / 60 * 25	\$24,018
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$223,763 + \$71,874 + \$24,018	\$319,655

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-607-020

Original		Current
BEMIDJI	Municipality	BEMIDJI
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 11 TO 0.1 MI E	Termini	CSAH 11 TO 0.1 MI E
4350	Present AADT	4350
2018	Year of Count	2018
1.1	Projection Factor	1.1
4785	Projected Traffic	4785
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 004-607-022 Reconst Roundabouts / M&OL	Comments	2018 SAP 004-607-022 Reconst Roundabouts / M&OL
2017 SAP 004-607-023 / 105-104-011 M&OL TIED TO ROUNDABOUT		2017 SAP 004-607-023 / 105-104-011 M&OL TIED TO ROUNDABOUT
2012 SAP 004-607-020 SEALCOAT		2012 SAP 004-607-020 SEALCOAT
OVERLAY UNDER SAP 04-607-17		OVERLAY UNDER SAP 04-607-17
	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 * 976421.84 / 60 * 25 * 1.1	\$44,753
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2376 * 48.4 / 20 * 25	\$14,375
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 115284.28 / 60 * 25	\$4,804
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$44,753 + \$14,375 + \$4,804	\$63,932

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-607-021

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.1 MI E CSAH 11 TO 0.5 MI E CSAH 11	Termini	0.1 MI E CSAH 11 TO 0.5 MI E CSAH 11
4350	Present AADT	4350
2018	Year of Count	2018
1.1	Projection Factor	1.1
4785	Projected Traffic	4785
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 004-607-022 Reconst Roundabouts / M&OL 2012 SAP 004-607-020 SEALCOAT	Comments	2018 SAP 004-607-022 Reconst Roundabouts / M&OL 2012 SAP 004-607-020 SEALCOAT
WIDEN AND OVERLAY UNDER SAP 04-607-17 (3 LEGS 2 ON 7 1 FOR ENTRANCE TO HIGHSCHOOL)		WIDEN AND OVERLAY UNDER SAP 04-607-17 (3 LEGS 2 ON 7 1 FOR ENTRANCE TO HIGHSCHOOL)

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 * 1615228.3 / 60 * 25 * 1.15	\$309,585
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2904 * 48.4 / 15 * 25	\$93,702
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 39859.48 / 60 * 25	\$6,643
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$309,585 + \$93,702 + \$6,643	\$409,930

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-607-030

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.5 MI E OF CSAH 11 TO TH 2 BY-PASS	Termini	0.5 MI E OF CSAH 11 TO TH 2 BY-PASS
4350	Present AADT	4350
2018	Year of Count	2018
1.1	Projection Factor	1.1
4785	Projected Traffic	4785
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 004-607-022 Reconst Roundabouts / M&OL	Comments	2018 SAP 004-607-022 Reconst Roundabouts / M&OL
2012 SAP 004-607-020 SEALCOAT		2012 SAP 004-607-020 SEALCOAT

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 * 1615228.3 / 60 * 25 * 1.15	\$154,793
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2904 * 48.4 / 15 * 25	\$46,851
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 39859.48 / 60 * 25	\$3,322
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$154,793 + \$46,851 + \$3,322	\$204,966

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-607-031**

Original		Current
BEMIDJI	Municipality	BEMIDJI
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
TH 2 BY-PASS TO W LIM OF BEMIDJI (JEFFERSON AVE. CSAH 11)	Termini	TH 2 BY-PASS TO W LIM OF BEMIDJI (JEFFERSON AVE. CSAH 11)
6200	Present AADT	6200
2018	Year of Count	2018
1.1	Projection Factor	1.1
6820	Projected Traffic	6820
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 004-607-020 SEALCOAT	Comments	2012 SAP 004-607-020 SEALCOAT
CLARIFIED TERMINI DUE TO ORDER 93490		CLARIFIED TERMINI DUE TO ORDER 93490

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 * 1615228.3 / 60 * 25 * 1.15	\$232,189
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2904 * 48.4 / 15 * 25	\$70,277
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 39859.48 / 60 * 25	\$4,982
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$232,189 + \$70,277 + \$4,982	\$307,448

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-608-010

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.82	Segment Length	0.82
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
PAUL BUNYAN DRIVE TO LAKE AVE. AND EAST LIMIT CITY BEMIDJI	Termini	PAUL BUNYAN DRIVE TO LAKE AVE. AND EAST LIMIT CITY BEMIDJI
4400	Present AADT	4400
2018	Year of Count	2018
1.1	Projection Factor	1.1
4840	Projected Traffic	4840
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.82 * 1615228.3 / 60 * 25 * 1.15	\$634,650
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.82 * 2904 * 48.4 / 15 * 25	\$192,090
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.82 * 39859.48 / 60 * 25	\$13,619
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$634,650 + \$192,090 + \$13,619	\$840,359

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-608-020

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
LAKE AVE.AND EAST LIM.CITY OF BEMIDJI TO LITTLE NORWAY AVE.	Termini	LAKE AVE.AND EAST LIM.CITY OF BEMIDJI TO LITTLE NORWAY AVE.
3250	Present AADT	3250
2018	Year of Count	2018
1.1	Projection Factor	1.1
3575	Projected Traffic	3575
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 1615228.3 / 60 * 25 * 1.15	\$386,982
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2904 * 48.4 / 15 * 25	\$117,128
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 39859.48 / 60 * 25	\$8,304
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$386,982 + \$117,128 + \$8,304	\$512,414

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-608-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.2	Segment Length	5.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
LITTLE NORWAY AVE. TO C.S.A.H	Termini	LITTLE NORWAY AVE. TO C.S.A.H
25		25
3250	Present AADT	3250
2018	Year of Count	2018
1.1	Projection Factor	1.1
3575	Projected Traffic	3575
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.2 * 976421.84 / 60 * 25 * 1.1	\$2,327,139
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.2 * 2376 * 48.4 / 20 * 25	\$747,490
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.2 * 115284.28 / 60 * 25	\$249,783
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,327,139 + \$747,490 + \$249,783	\$3,324,412

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-608-040

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
CSAH 25 TO C.S.A.H. 51	Termini	CSAH 25 TO C.S.A.H. 51
1700	Present AADT	1700
2018	Year of Count	2018
1.1	Projection Factor	1.1
1870	Projected Traffic	1870
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
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	

Bridge Information

Status: Original

Original		Current
04517	Structure Number	04517
7.03	Milepoint	7.03
1992	Year Built	1992
MISSISSIPPI RIVER	Feature Crossed	MISSISSIPPI RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
221.6	Bridge Length	221.6
47.3	Bridge Width	47.3
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.8 * 976421.84 / 60 * 25 * 1.1	\$358,021
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2376 * 48.4 / 20 * 25	\$114,998
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 115284.28 / 60 * 25	\$38,428
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	221.6 * 47.3 * 141 / 80 * 25 * 1.15	\$531,126
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$358,021 + \$114,998 + \$38,428 + \$531,126	\$1,042,573

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-608-050

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
CSAH 27 TO S CO LINE	Termini	CSAH 27 TO S CO LINE
2500	Present AADT	2500
2018	Year of Count	2018
1.1	Projection Factor	1.1
2750	Projected Traffic	2750
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
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	

Bridge Information

Status: Original

Original		Current
04513	Structure Number	04513
9.62	Milepoint	9.62
1986	Year Built	1986
MISSISSIPPI RIVER	Feature Crossed	MISSISSIPPI RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
305.6	Bridge Length	305.6
43.3	Bridge Width	43.3
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.9 * 976421.84 / 60 * 25 * 1.1	\$2,192,881
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.9 * 2376 * 48.4 / 20 * 25	\$704,365
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.9 * 115284.28 / 60 * 25	\$235,372
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	305.6 * 43.3 * 141 / 80 * 25 * 1.15	\$670,515
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$2,192,881 + \$704,365 + \$235,372 + \$670,515	\$3,803,133

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-609-010

Original

Current

BEMIDJI	Municipality	BEMIDJI
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
TH 2 TO NO LIM BEMIDJI	Termini	TH 2 TO NO LIM BEMIDJI
2150	Present AADT	2150
2018	Year of Count	2018
1.1	Projection Factor	1.1
2365	Projected Traffic	2365
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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 * 976421.84 / 60 * 25 * 1.1	\$358,021
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2376 * 48.4 / 20 * 25	\$114,998
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 115284.28 / 60 * 25	\$38,428
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$358,021 + \$114,998 + \$38,428	\$511,447

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-609-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.8	Segment Length	4.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NO LIM BEMIDJI TO CSAH 22	Termini	NO LIM BEMIDJI TO CSAH 22
2150	Present AADT	2150
2018	Year of Count	2018
1.1	Projection Factor	1.1
2365	Projected Traffic	2365
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.8 * 976421.84 / 60 * 25 * 1.1	\$2,148,128
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.8 * 2376 * 48.4 / 20 * 25	\$689,990
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.8 * 115284.28 / 60 * 25	\$230,569
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,148,128 + \$689,990 + \$230,569	\$3,068,687

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-609-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.9	Segment Length	6.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 22 TO CSAH 26	Termini	CSAH 22 TO CSAH 26
375	Present AADT	375
2018	Year of Count	2018
1.1	Projection Factor	1.1
413	Projected Traffic	413
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
89561	Structure Number	89561
11.1	Milepoint	11.1
1990	Year Built	1990
TURTLE RIVER	Feature Crossed	TURTLE RIVER
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
7	Culvert Height	7
59	Culvert Length	59
84.00039921	Area of Waterway Opening	84.00039921
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.9 * 921437.49 / 60 * 25 * 1.1	\$2,914,046
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.9 * 2112 * 48.4 / 20 * 25	\$881,654
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.9 * 15202.93 / 60 * 25	\$43,708
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	59 * 84.00039921 * 18.01 / 100 * 25 * 1.15	\$25,662
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,914,046 + \$881,654 + \$43,708 + \$25,662	\$3,865,070

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-610-010

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
WEST COUNTY LINE TO CSAH 5	Termini	WEST COUNTY LINE TO CSAH 5
125	Present AADT	125
2018	Year of Count	2018
1.1	Projection Factor	1.1
138	Projected Traffic	138
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 * 460718.75 / 60 * 25 * 1.1	\$527,907
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 546 * 10.75 / 2 * 25	\$183,422
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$527,907 + \$183,422 + \$0	\$711,329

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-611-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.1	Segment Length	0.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM CSAH 50 TO E LIM BEMIDJI	Termini	FROM CSAH 50 TO E LIM BEMIDJI
1550	Present AADT	1550
2018	Year of Count	2018
1.1	Projection Factor	1.1
1705	Projected Traffic	1705
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SP 004-070-018	Comments	2017 SP 004-070-018
INTERSECTION WARNING INSTALL		INTERSECTION WARNING INSTALL
ORDER NO. 97117		ORDER NO. 97117
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
097828W	USDOT Number	097828W
0.05	Located at Milepoint	0.05
0	Mainline Tracks	0
SIGNALS & GATES	Protection Type	SIGNALS & GATES
0	Last Year Protection Upgraded	0
100	Crossing Length	100
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 * 976421.84 / 60 * 25 * 1.1	\$44,753
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2376 * 48.4 / 20 * 25	\$14,375
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 115284.28 / 60 * 25	\$4,804
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	100 * 1750 / 25 * 25	\$175,000

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$44,753 + \$14,375 + \$4,804 + \$350,000 + \$175,000	\$588,932
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-611-015

Original		Current
BEMIDJI	Municipality	BEMIDJI
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
E LIM BEMIDJI TO W LIM BEMIDJI	Termini	E LIM BEMIDJI TO W LIM BEMIDJI
1550	Present AADT	1550
2018	Year of Count	2018
1.1	Projection Factor	1.1
1705	Projected Traffic	1705
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
0	Latest Year SA funds	0
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
NEW SEGMENT ORDER NO. 94117	Comments	NEW SEGMENT ORDER NO. 94117
	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 * 976421.84 / 60 * 25 * 1.1	\$268,516
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.6 * 2376 * 48.4 / 20 * 25	\$86,249
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.6 * 115284.28 / 60 * 25	\$28,821
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$268,516 + \$86,249 + \$28,821	\$383,586

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-611-020

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
W LIMS BEMIDJI TO TH197	Termini	W LIMS BEMIDJI TO TH197
1550	Present AADT	1550
2018	Year of Count	2018
1.1	Projection Factor	1.1
1705	Projected Traffic	1705
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.3 * 976421.84 / 60 * 25 * 1.1	\$134,258
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2376 * 48.4 / 20 * 25	\$43,124
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 115284.28 / 60 * 25	\$14,411
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$134,258 + \$43,124 + \$14,411	\$191,793

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-611-021

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.1	Segment Length	3.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 71 TO SO LIMS BEMIDJI	Termini	TH 71 TO SO LIMS BEMIDJI
3400	Present AADT	3400
2018	Year of Count	2018
1.1	Projection Factor	1.1
3740	Projected Traffic	3740
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
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	

Bridge Information

Status: Original

Original		Current
04521	Structure Number	04521
2.88	Milepoint	2.88
2001	Year Built	2001
Mississippi River	Feature Crossed	Mississippi River
	Type of Service	
	Number of Spans	
115	Bridge Length	115
47.1	Bridge Width	47.1
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Bridge Information

Status: Original

Original		Current
04522	Structure Number	04522
1.53	Milepoint	1.53
2003	Year Built	2003
SCHOOLCRAFT RIVER	Feature Crossed	SCHOOLCRAFT RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
101.4	Bridge Length	101.4
47.3	Bridge Width	47.3
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

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

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$3.1 * 976421.84 / 60 * 25 * 1.1$	\$1,387,333
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$3.1 * 2376 * 48.4 / 20 * 25$	\$445,619
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$3.1 * 115284.28 / 60 * 25$	\$148,909
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$115 * 47.1 * 173 / 80 * 25 * 1.15$	\$336,754
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$101.4 * 47.3 * 173 / 80 * 25 * 1.15$	\$298,190
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge	$\$0 + \$1,387,333 + \$445,619 + \$148,909 + \$336,754 + \$298,190$	\$2,616,805

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-611-030

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.72	Segment Length	0.72
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO LIM BEMIDJI TO SO LAKE IRVING DR	Termini	SO LIM BEMIDJI TO SO LAKE IRVING DR
3400	Present AADT	3400
2018	Year of Count	2018
1.1	Projection Factor	1.1
3740	Projected Traffic	3740
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.72 * 976421.84 / 60 * 25 * 1.1	\$322,219
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.72 * 2376 * 48.4 / 20 * 25	\$103,499
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.72 * 115284.28 / 60 * 25	\$34,585
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$322,219 + \$103,499 + \$34,585	\$460,303

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-611-040

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.27	Segment Length	0.27
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SARAGON AVE TO CSAH 7 BEMIDJI	Termini	SARAGON AVE TO CSAH 7 BEMIDJI
3400	Present AADT	3400
2018	Year of Count	2018
1.1	Projection Factor	1.1
3740	Projected Traffic	3740
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.27 * 1615228.3 / 60 * 25 * 1.15	\$208,970
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.27 * 2904 * 48.4 / 15 * 25	\$63,249
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.27 * 39859.48 / 60 * 25	\$4,484
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$208,970 + \$63,249 + \$4,484	\$276,703

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-611-050

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.8	Segment Length	1.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 7 TO S. LIMIT BEMIDJI	Termini	CSAH 7 TO S. LIMIT BEMIDJI
3200	Present AADT	3200
2018	Year of Count	2018
1.1	Projection Factor	1.1
3520	Projected Traffic	3520
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 004-611-014 SEALCOAT	Comments	2012 SAP 004-611-014 SEALCOAT
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
081824W	USDOT Number	081824W
0.9	Located at Milepoint	0.9
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1998	Last Year Protection Upgraded	1998
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	1.8 * 976421.84 / 60 * 25 * 1.1	\$805,548
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.8 * 2376 * 48.4 / 20 * 25	\$258,746
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.8 * 115284.28 / 60 * 25	\$86,463
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 + \$805,548 + \$258,746 + \$86,463 + \$350,000 + \$98,000	\$1,598,757

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-611-080

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.24	Segment Length	0.24
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SOUTH LIM TO NORTH LIM BEMIDJI	Termini	SOUTH LIM TO NORTH LIM BEMIDJI
3200	Present AADT	3200
2018	Year of Count	2018
1.1	Projection Factor	1.1
3520	Projected Traffic	3520
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 004-611-014 SEALCOAT	Comments	2012 SAP 004-611-014 SEALCOAT
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.24 * 976421.84 / 60 * 25 * 1.1	\$107,406
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.24 * 2376 * 48.4 / 20 * 25	\$34,500
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.24 * 115284.28 / 60 * 25	\$11,528
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$107,406 + \$34,500 + \$11,528	\$153,434

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-611-090

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
NO LIM BEMIDJI TO TH 2	Termini	NO LIM BEMIDJI TO TH 2
3200	Present AADT	3200
2018	Year of Count	2018
1.1	Projection Factor	1.1
3520	Projected Traffic	3520
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2012	Latest Year SA funds	2012
1	Number of Signal Legs	1
No Special Message	Special Message Code	No Special Message
2012 SAP 004-611-014 SEALCOAT	Comments	2012 SAP 004-611-014 SEALCOAT
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 976421.84 / 60 * 25 * 1.1	\$223,763
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2376 * 48.4 / 20 * 25	\$71,874
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 115284.28 / 60 * 25	\$24,018
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$38,281 + \$223,763 + \$71,874 + \$24,018	\$357,936

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : New

County Name : BELTRAMI Segment Nbr : 004-612-010

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.49	Segment Length	0.49
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
From CSAH 8 to 1st Street SE in the City of Bemidji	Termini	From CSAH 8 to 1st Street SE in the City of Bemidji
1050	Present AADT	1050
2018	Year of Count	2018
1.2	Projection Factor	1.2
1260	Projected Traffic	1260
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1900	Latest Year SA funds	1900
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
Exchange deal with the City of Bemidji	Comments	Exchange deal with the City of Bemidji
	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	0.49 * 1615228.3 / 60 * 25 * 1.15	\$379,242
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.49 * 2904 * 48.4 / 15 * 25	\$114,785
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.49 * 39859.48 / 60 * 25	\$8,138
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$379,242 + \$114,785 + \$8,138	\$502,165

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-612-020

Original		Current
BEMIDJI	Municipality	BEMIDJI
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
FROM LAKE AVE 1ST ST TO MILL AVE	Termini	FROM LAKE AVE 1ST ST TO MILL AVE
5500	Present AADT	5500
2018	Year of Count	2018
1.1	Projection Factor	1.1
6050	Projected Traffic	6050
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 004-030-007 SEALCOAT 2013 SAP 004-612-016 M&OL	Comments	2017 SAP 004-030-007 SEALCOAT 2013 SAP 004-612-016 M&OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 1615228.3 / 60 * 25 * 1.15	\$386,982
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2904 * 48.4 / 15 * 25	\$117,128
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 39859.48 / 60 * 25	\$8,304
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$386,982 + \$117,128 + \$8,304	\$512,414

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-612-030

Original		Current
BEMIDJI	Municipality	BEMIDJI
1.02	Segment Length	1.02
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
MILL AVE TO CSAH 19	Termini	MILL AVE TO CSAH 19
5500	Present AADT	5500
2018	Year of Count	2018
1.1	Projection Factor	1.1
6050	Projected Traffic	6050
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 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
2013 SAP 004-612-016 M&OL		2013 SAP 004-612-016 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	1.02 * 1615228.3 / 60 * 25 * 1.15	\$789,443
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.02 * 2904 * 48.4 / 15 * 25	\$238,941
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.02 * 39859.48 / 60 * 25	\$16,940
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$789,443 + \$238,941 + \$16,940	\$1,045,324

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-612-035

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 19 TO 0.40 MI EAST	Termini	CSAH 19 TO 0.40 MI EAST
2000	Present AADT	2000
2018	Year of Count	2018
1.1	Projection Factor	1.1
2200	Projected Traffic	2200
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SP 4-612-014, GRADING	Comments	SP 4-612-014, GRADING
	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 * 1615228.3 / 60 * 25 * 1.15	\$309,585
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2904 * 48.4 / 15 * 25	\$93,702
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 39859.48 / 60 * 25	\$6,643
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$309,585 + \$93,702 + \$6,643	\$409,930

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-612-040**

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.29	Segment Length	0.29
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM 0.40 MI OFCSAH 19 TO EAST LIMITS BEMIDJI	Termini	FROM 0.40 MI OFCSAH 19 TO EAST LIMITS BEMIDJI
2000	Present AADT	2000
2018	Year of Count	2018
1.1	Projection Factor	1.1
2200	Projected Traffic	2200
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SP 4-612-014, GRADING	Comments	SP 4-612-014, GRADING
	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	0.29 * 976421.84 / 60 * 25 * 1.1	\$129,783
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.29 * 2376 * 48.4 / 20 * 25	\$41,687
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.29 * 115284.28 / 60 * 25	\$13,930
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$129,783 + \$41,687 + \$13,930	\$185,400

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-612-050

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.2	Segment Length	4.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
EAST BEMIDJI LIMS TO 4.2 MI EAST	Termini	EAST BEMIDJI LIMS TO 4.2 MI EAST
2000	Present AADT	2000
2018	Year of Count	2018
1.1	Projection Factor	1.1
2200	Projected Traffic	2200
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SP 4-612-014, GRADING	Comments	SP 4-612-014, GRADING
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.2 * 976421.84 / 60 * 25 * 1.1	\$1,879,612
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.2 * 2376 * 48.4 / 20 * 25	\$603,742
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.2 * 115284.28 / 60 * 25	\$201,747
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,879,612 + \$603,742 + \$201,747	\$2,685,101

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-612-060

Original		Current
BEMIDJI	Municipality	BEMIDJI
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
4.2 MI E OF EAST LIMITS BEMIDJI TO 0.30 MI WEST OF FARMSTEAD	Termini	4.2 MI E OF EAST LIMITS BEMIDJI TO 0.30 MI WEST OF FARMSTEAD
2000	Present AADT	2000
2018	Year of Count	2018
1.1	Projection Factor	1.1
2200	Projected Traffic	2200
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SP 4-612-014, GRADING	Comments	SP 4-612-014, GRADING
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
04511	Structure Number	04511
6.65	Milepoint	6.65
1975	Year Built	1975
MISSISSIPPI RIVER	Feature Crossed	MISSISSIPPI RIVER
	Type of Service	
	Number of Spans	
140	Bridge Length	140
39.5	Bridge Width	39.5
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.3 * 976421.84 / 60 * 25 * 1.1	\$134,258
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2376 * 48.4 / 20 * 25	\$43,124
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 115284.28 / 60 * 25	\$14,411
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	140 * 39.5 * 173 / 80 * 25 * 1.15	\$343,810
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$134,258 + \$43,124 + \$14,411 + \$343,810	\$535,603

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-612-070

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.3	Segment Length	0.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.30 MI EAST OF FARMSTEAD LANE TO FARMSTEAD LANE	Termini	0.30 MI EAST OF FARMSTEAD LANE TO FARMSTEAD LANE
2000	Present AADT	2000
2018	Year of Count	2018
1.1	Projection Factor	1.1
2200	Projected Traffic	2200
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SP 4-612-014, GRADING	Comments	SP 4-612-014, GRADING
	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 * 976421.84 / 60 * 25 * 1.1	\$134,258
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2376 * 48.4 / 20 * 25	\$43,124
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 115284.28 / 60 * 25	\$14,411
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$134,258 + \$43,124 + \$14,411	\$191,793

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-612-080

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.4	Segment Length	2.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FARMSTEAD LN TO WEST BNDRY FED FOREST	Termini	FARMSTEAD LN TO WEST BNDRY FED FOREST
2000	Present AADT	2000
2018	Year of Count	2018
1.1	Projection Factor	1.1
2200	Projected Traffic	2200
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESURFACED UNDER SAP 04-612-013	Comments	RESURFACED UNDER SAP 04-612-013
	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	2.4 * 976421.84 / 60 * 25 * 1.1	\$1,074,064
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.4 * 2376 * 48.4 / 20 * 25	\$344,995
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.4 * 115284.28 / 60 * 25	\$115,284
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,074,064 + \$344,995 + \$115,284	\$1,534,343

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-612-090

Original	Current
Unassigned/Unknown	Unassigned/Unknown
4	4
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
WEST BNDRY FED FOREST TO CSAH 33	WEST BNDRY FED FOREST TO CSAH 33
700	700
2018	2018
1.1	1.1
770	770
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2005	2005
0	0
No Special Message	No Special Message
RESURFACED UNDER SAP 04-612-013	RESURFACED UNDER SAP 04-612-013
	Interchange Override
	Segment Override

Bridge Information

Status: Original

Original	Current
04506	04506
10.89	10.89
1972	1972
CREEK	CREEK
	Type of Service
	Number of Spans
31	31
34.8	34.8
100%	100%
	Comments
1 (0-149)	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 921437.49 / 60 * 25 * 1.1	\$1,689,302
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 48.4 / 20 * 25	\$511,104
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 15202.93 / 60 * 25	\$25,338
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	31 * 34.8 * 173 / 80 * 25 * 1.15	\$67,071
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,689,302 + \$511,104 + \$25,338 + \$67,071	\$2,292,815

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-612-100

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.1	Segment Length	5.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 33 TO CSAH 39	Termini	CSAH 33 TO CSAH 39
520	Present AADT	520
2018	Year of Count	2018
1.1	Projection Factor	1.1
572	Projected Traffic	572
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESURFACED UNDER 04-612-013	Comments	RESURFACED UNDER 04-612-013
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
04507	Structure Number	04507
16.41	Milepoint	16.41
1971	Year Built	1971
TURTLE RIVER	Feature Crossed	TURTLE RIVER
	Type of Service	
	Number of Spans	
93.2	Bridge Length	93.2
35.1	Bridge Width	35.1
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	5.1 * 921437.49 / 60 * 25 * 1.1	\$2,153,860
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.1 * 2112 * 48.4 / 20 * 25	\$651,658
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.1 * 15202.93 / 60 * 25	\$32,306
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	93.2 * 35.1 * 173 / 80 * 25 * 1.15	\$203,384
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$2,153,860 + \$651,658 + \$32,306 + \$203,384	\$3,041,208

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	BELTRAMI	Segment Nbr : 004-613-010
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.7	Segment Length	7.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 26 TO CSAH 32	Termini	CSAH 26 TO CSAH 32
195	Present AADT	195
2018	Year of Count	2018
1.1	Projection Factor	1.1
215	Projected Traffic	215
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	

Culvert Information		Status: Original
Original	Current	
93537	Structure Number	93537
6.4	Milepoint	6.4
1981	Year Built	1981
MUD RIVER	Feature Crossed	MUD RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
6	Culvert Height	6
64	Culvert Length	64
89.00023076	Area of Waterway Opening	89.00023076
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
96932	Structure Number	96932
1.39	Milepoint	1.39
1989	Year Built	1989
MUD RIVER (JD #32)	Feature Crossed	MUD RIVER (JD #32)
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
90	Culvert Length	90
52.0004009	Area of Waterway Opening	52.0004009
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
96933	Structure Number	96933
6	Milepoint	6

1989	Year Built	1989
MUD RIVER	Feature Crossed	MUD RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
6	Culvert Height	6
65	Culvert Length	65
69.99979448	Area of Waterway Opening	69.99979448
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7.7 * 921437.49 / 60 * 25 * 1.1	\$3,251,906
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.7 * 2112 * 48.4 / 20 * 25	\$983,875
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.7 * 15202.93 / 60 * 25	\$48,776
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 89.00023076 * 18.01 / 100 * 25 * 1.15	\$29,493
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	90 * 52.0004009 * 18.01 / 100 * 25 * 1.15	\$24,233
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	65 * 69.99979448 * 18.01 / 100 * 25 * 1.15	\$23,559
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert	\$0 + \$3,251,906 + \$983,875 + \$48,776 + \$29,493 + \$24,233 + \$23,559	\$4,361,842

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : **BELTRAMI** Segment Nbr : **004-614-010**

Original		Current
WILTON	Municipality	WILTON
0.2	Segment Length	0.25
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NEAR WEST JCT NEW TH 2 TO NORTH LIMITS WILTON	Termini	NEAR WEST JCT NEW TH 2 TO NORTH LIMITS WILTON
410	Present AADT	410
2018	Year of Count	2018
1.1	Projection Factor	1.1
451	Projected Traffic	451
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
THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY	Special Message Code	THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.25 * 921437.49 / 60 * 25 * 1.1	\$105,581
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.25 * 2112 * 48.4 / 20 * 25	\$31,944
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.25 * 15202.93 / 60 * 25	\$1,584
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$105,581 + \$31,944 + \$1,584	\$139,109

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : **BELTRAMI** Segment Nbr : 004-614-011

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.1	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NORTH LIMITS WILTON TO EAST JCT NEW TH 2	Termini	NORTH LIMITS WILTON TO EAST JCT NEW TH 2
410	Present AADT	410
2018	Year of Count	2018
1.1	Projection Factor	1.1
451	Projected Traffic	451
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
THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY	Special Message Code	THTB-CONST WITH TH FUNDS BEFORE RELEASE-APPRV NEEDS ONLY
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 921437.49 / 60 * 25 * 1.1	\$29,563
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2112 * 48.4 / 20 * 25	\$8,944
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 15202.93 / 60 * 25	\$443
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$29,563 + \$8,944 + \$443	\$38,950

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-614-012

Original		Current
WILTON	Municipality	WILTON
0.08	Segment Length	0.08
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO 0.08 MI SO	Termini	TH 2 TO 0.08 MI SO
950	Present AADT	950
2018	Year of Count	2018
1.1	Projection Factor	1.1
1045	Projected Traffic	1045
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 004-614-008 RC&OL	Comments	2018 SAP 004-614-008 RC&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 * 1615228.3 / 60 * 25 * 1.15	\$61,917
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2904 * 48.4 / 15 * 25	\$18,740
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 39859.48 / 60 * 25	\$1,329
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$61,917 + \$18,740 + \$1,329	\$81,986

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-614-020

Original		Current
WILTON	Municipality	WILTON
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
0.08 miles south of US 2 to 0.18 mi south	Termini	0.08 miles south of US 2 to 0.18 mi south
950	Present AADT	950
2018	Year of Count	2018
1.1	Projection Factor	1.1
1045	Projected Traffic	1045
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 004-614-008 RC&OL	Comments	2018 SAP 004-614-008 RC&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 * 921437.49 / 60 * 25 * 1.1	\$42,233
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 48.4 / 20 * 25	\$12,778
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 15202.93 / 60 * 25	\$633
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$42,233 + \$12,778 + \$633	\$55,644

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-614-030**

Original		Current
WILTON	Municipality	WILTON
1.03	Segment Length	1.03
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.18 Mi So of US 2 to 0.24 Mi W of Third Street	Termini	0.18 Mi So of US 2 to 0.24 Mi W of Third Street
1050	Present AADT	1050
2018	Year of Count	2018
1.1	Projection Factor	1.1
1155	Projected Traffic	1155
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 004-614-008 RC&OL	Comments	2018 SAP 004-614-008 RC&OL
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
BURLINGTON NORTHERN SANTA FE RAILWAY	RailRoad Name	BURLINGTON NORTHERN SANTA FE RAILWAY
102154T	USDOT Number	102154T
0.38	Located at Milepoint	0.38
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1988	Last Year Protection Upgraded	1988
46	Crossing Length	46
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.03 * 1615228.3 / 60 * 25 * 1.15	\$797,182
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.03 * 2904 * 48.4 / 15 * 25	\$241,284
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.03 * 39859.48 / 60 * 25	\$17,106
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	46 * 1750 / 25 * 25	\$80,500

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$797,182 + \$241,284 + \$17,106 + \$350,000 + \$80,500	\$1,486,072
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-614-040

Original		Current
WILTON	Municipality	WILTON
0.32	Segment Length	0.32
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.24 Mi W Third St. To S. Lim Wilton	Termini	0.24 Mi W Third St. To S. Lim Wilton
580	Present AADT	580
2018	Year of Count	2018
1.1	Projection Factor	1.1
638	Projected Traffic	638
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 004-614-008 RC&OL	Comments	2018 SAP 004-614-008 RC&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	0.32 * 921437.49 / 60 * 25 * 1.1	\$135,144
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.32 * 2112 * 48.4 / 20 * 25	\$40,888
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.32 * 15202.93 / 60 * 25	\$2,027
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$135,144 + \$40,888 + \$2,027	\$178,059

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-614-050

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
S LIMITS WILTON TO CSAH 16	Termini	S LIMITS WILTON TO CSAH 16
580	Present AADT	580
2018	Year of Count	2018
1.1	Projection Factor	1.1
638	Projected Traffic	638
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 004-614-008 RC&OL	Comments	2018 SAP 004-614-008 RC&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 * 921437.49 / 60 * 25 * 1.1	\$422,326
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 48.4 / 20 * 25	\$127,776
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 15202.93 / 60 * 25	\$6,335
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$422,326 + \$127,776 + \$6,335	\$556,437

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-614-060

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 16 TO 0.10 MILES SOUTH	Termini	CSAH 16 TO 0.10 MILES SOUTH
580	Present AADT	580
2018	Year of Count	2018
1.1	Projection Factor	1.1
638	Projected Traffic	638
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 004-614-007 Reconst	Comments	2018 SAP 004-614-007 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	0.1 * 921437.49 / 60 * 25 * 1.1	\$42,233
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 48.4 / 20 * 25	\$12,778
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 15202.93 / 60 * 25	\$633
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$42,233 + \$12,778 + \$633	\$55,644

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-614-061

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
0.10 MILES SOUTH OF CSAH 16 TO CSAH 7	Termini	0.10 MILES SOUTH OF CSAH 16 TO CSAH 7
2000	Present AADT	2000
2018	Year of Count	2018
1.1	Projection Factor	1.1
2200	Projected Traffic	2200
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2018	Latest Year SA funds	2018
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2018 SAP 004-614-007 Reconst	Comments	2018 SAP 004-614-007 Reconst
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93697	Structure Number	93697
7.25	Milepoint	7.25
1984	Year Built	1984
GRANT CREEK	Feature Crossed	GRANT CREEK
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
80	Culvert Length	80
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
94162	Structure Number	94162
4.59	Milepoint	4.59
1989	Year Built	1989
GRANT CREEK	Feature Crossed	GRANT CREEK
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
64	Culvert Length	64
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation 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 * 976421.84 / 60 * 25 * 1.1	\$2,013,870
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.5 * 2376 * 48.4 / 20 * 25	\$646,866
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.5 * 115284.28 / 60 * 25	\$216,158
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	80 * 65.99992924 * 18.01 / 100 * 25 * 1.15	\$27,339
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 65.99992924 * 18.01 / 100 * 25 * 1.15	\$21,871
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$2,013,870 + \$646,866 + \$216,158 + \$27,339 + \$21,871	\$2,926,104

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-615-005

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.98	Segment Length	0.98
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 197 (Paul Bunyan Dr.) to CSAH 52 (Anne St.)	Termini	TH 197 (Paul Bunyan Dr.) to CSAH 52 (Anne St.)
9000	Present AADT	9000
2018	Year of Count	2018
1.1	Projection Factor	1.1
9900	Projected Traffic	9900
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
	Latest Year SA funds	
2	Number of Signal Legs	2
No Special Message	Special Message Code	No Special Message
Former MSAS last graded in 2015 SP 105-108-011 (Commissioners Order 97132)	Comments	Former MSAS last graded in 2015 SP 105-108-011 (Commissioners Order 97132)
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	2 * 61250 / 40 * 25	\$76,563
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.98 * 1615228.3 / 60 * 25 * 1.15	\$758,484
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.98 * 2904 * 48.4 / 15 * 25	\$229,571
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.98 * 39859.48 / 60 * 25	\$16,276
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$76,563 + \$758,484 + \$229,571 + \$16,276	\$1,080,894

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-615-007

Original

Current

BEMIDJI	Municipality	BEMIDJI
1.23	Segment Length	1.23
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 52 TO N LIMS BEMIDJI	Termini	CSAH 52 TO N LIMS BEMIDJI
4450	Present AADT	4450
2018	Year of Count	2018
1.1	Projection Factor	1.1
4895	Projected Traffic	4895
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
1993	Latest Year SA funds	1993
1	Number of Signal Legs	1
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.23 * 976421.84 / 60 * 25 * 1.1	\$550,458
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.23 * 2376 * 48.4 / 20 * 25	\$176,810
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.23 * 115284.28 / 60 * 25	\$59,083
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$38,281 + \$550,458 + \$176,810 + \$59,083	\$824,632

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-615-009

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
NO LIM BEMIDJI TO 2.0 MI NO	Termini	NO LIM BEMIDJI TO 2.0 MI NO
4450	Present AADT	4450
2018	Year of Count	2018
1.1	Projection Factor	1.1
4895	Projected Traffic	4895
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
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 * 976421.84 / 60 * 25 * 1.1	\$895,053
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2376 * 48.4 / 20 * 25	\$287,496
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 115284.28 / 60 * 25	\$96,070
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$895,053 + \$287,496 + \$96,070	\$1,278,619

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-615-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.9	Segment Length	0.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.0 MI NO OF N LIM BEMIDJI TO 2.9 MI NO OF NO LIM	Termini	2.0 MI NO OF N LIM BEMIDJI TO 2.9 MI NO OF NO LIM
4450	Present AADT	4450
2018	Year of Count	2018
1.1	Projection Factor	1.1
4895	Projected Traffic	4895
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
1993	Latest Year SA funds	1993
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
25 YR COMPLETE NEEDS REINSTATEMENT	Comments	25 YR COMPLETE NEEDS REINSTATEMENT
	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	0.9 * 976421.84 / 60 * 25 * 1.1	\$402,774
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.9 * 2376 * 48.4 / 20 * 25	\$129,373
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.9 * 115284.28 / 60 * 25	\$43,232
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$402,774 + \$129,373 + \$43,232	\$575,379

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-615-011

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.9 MI NO OF NO LIM BEMIDJI TO 3.3 MI NO OF NO LIM BEMIDJI	Termini	2.9 MI NO OF NO LIM BEMIDJI TO 3.3 MI NO OF NO LIM BEMIDJI
4450	Present AADT	4450
2018	Year of Count	2018
1.1	Projection Factor	1.1
4895	Projected Traffic	4895
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
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	0.4 * 976421.84 / 60 * 25 * 1.1	\$179,011
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2376 * 48.4 / 20 * 25	\$57,499
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 115284.28 / 60 * 25	\$19,214
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$179,011 + \$57,499 + \$19,214	\$255,724

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-615-012

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
3.3 MI NO TO 3.6 MI NO OF NO LIM BEMIDJI	Termini	3.3 MI NO TO 3.6 MI NO OF NO LIM BEMIDJI
4550	Present AADT	4550
2018	Year of Count	2018
1.1	Projection Factor	1.1
5005	Projected Traffic	5005
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
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	0.3 * 976421.84 / 60 * 25 * 1.1	\$134,258
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2376 * 48.4 / 20 * 25	\$43,124
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 115284.28 / 60 * 25	\$14,411
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$134,258 + \$43,124 + \$14,411	\$191,793

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-615-013

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.7	Segment Length	4.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3.6 MI NO OF NO LIM BEMIDJI TO 0.10 MI S OF TURTLE RIVER	Termini	3.6 MI NO OF NO LIM BEMIDJI TO 0.10 MI S OF TURTLE RIVER
4550	Present AADT	4550
2018	Year of Count	2018
1.1	Projection Factor	1.1
5005	Projected Traffic	5005
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.7 * 976421.84 / 60 * 25 * 1.1	\$2,103,375
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.7 * 2376 * 48.4 / 20 * 25	\$675,616
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.7 * 115284.28 / 60 * 25	\$225,765
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,103,375 + \$675,616 + \$225,765	\$3,004,756

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-615-015

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.1 MI SO TURTLE RIVER TO 0.1 MI NO TURTLE RIVER.	Termini	0.1 MI SO TURTLE RIVER TO 0.1 MI NO TURTLE RIVER.
3100	Present AADT	3100
2018	Year of Count	2018
1.1	Projection Factor	1.1
3410	Projected Traffic	3410
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
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	

Culvert Information

Status: Original

Original		Current
94181	Structure Number	94181
9.08	Milepoint	9.08
1992	Year Built	1992
TURTLE RIVER	Feature Crossed	TURTLE RIVER
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
8	Culvert Height	8
80	Culvert Length	80
81.00050028	Area of Waterway Opening	81.00050028
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 976421.84 / 60 * 25 * 1.1	\$89,505
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2376 * 48.4 / 20 * 25	\$28,750
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 115284.28 / 60 * 25	\$9,607
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	80 * 81.00050028 * 18.01 / 100 * 25 * 1.15	\$33,553

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$89,505 + \$28,750 + \$9,607 + \$33,553	\$161,415
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-615-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.9	Segment Length	3.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.1 MI NO OF TURTLE RIVER TO CSAH 26	Termini	0.1 MI NO OF TURTLE RIVER TO CSAH 26
3100	Present AADT	3100
2018	Year of Count	2018
1.1	Projection Factor	1.1
3410	Projected Traffic	3410
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED UNDER SAP 04-615-014	Comments	RECONSTRUCTED UNDER SAP 04-615-014
	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	3.9 * 976421.84 / 60 * 25 * 1.1	\$1,745,354
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.9 * 2376 * 48.4 / 20 * 25	\$560,617
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.9 * 115284.28 / 60 * 25	\$187,337
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,745,354 + \$560,617 + \$187,337	\$2,493,308

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-615-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.9	Segment Length	6.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 26 TO 0.2 MI NO JCT CSAH	Termini	CSAH 26 TO 0.2 MI NO JCT CSAH
32		32
970	Present AADT	970
2018	Year of Count	2018
1.1	Projection Factor	1.1
1067	Projected Traffic	1067
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SP 004-070-016 SHOULDER WIDEN & RUMBLES	Comments	2016 SP 004-070-016 SHOULDER WIDEN & RUMBLES
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.9 * 921437.49 / 60 * 25 * 1.1	\$2,914,046
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.9 * 2112 * 48.4 / 20 * 25	\$881,654
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.9 * 15202.93 / 60 * 25	\$43,708
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,914,046 + \$881,654 + \$43,708	\$3,839,408

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-615-050

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
0.2 MI NO OF CSAH 32 TO INDIAN RES BNDRY	Termini	0.2 MI NO OF CSAH 32 TO INDIAN RES BNDRY
810	Present AADT	810
2018	Year of Count	2018
1.1	Projection Factor	1.1
891	Projected Traffic	891
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1979	Latest Year SA funds	1979
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 921437.49 / 60 * 25 * 1.1	\$844,651
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 48.4 / 20 * 25	\$255,552
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 15202.93 / 60 * 25	\$12,669
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$844,651 + \$255,552 + \$12,669	\$1,112,872

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-616-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.5	Segment Length	2.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 5 TO 2.5 MI E	Termini	CSAH 5 TO 2.5 MI E
375	Present AADT	375
2018	Year of Count	2018
1.1	Projection Factor	1.1
413	Projected Traffic	413
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.5 * 921437.49 / 60 * 25 * 1.1	\$1,055,814
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 2112 * 48.4 / 20 * 25	\$319,440
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 15202.93 / 60 * 25	\$15,836
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,055,814 + \$319,440 + \$15,836	\$1,391,090

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-616-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.1	Segment Length	3.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.5 MI. E. OF CSAH 5 TO CSAH 14	Termini	2.5 MI. E. OF CSAH 5 TO CSAH 14
375	Present AADT	375
2018	Year of Count	2018
1.1	Projection Factor	1.1
413	Projected Traffic	413
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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	3.1 * 921437.49 / 60 * 25 * 1.1	\$1,309,209
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.1 * 2112 * 48.4 / 20 * 25	\$396,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.1 * 15202.93 / 60 * 25	\$19,637
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,309,209 + \$396,106 + \$19,637	\$1,724,952

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Deleted

County Name : **BELTRAMI** Segment Nbr : **004-617-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.25	Segment Length	1.25
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
BIRCHMONT DR NE- ANNEBELL ST NE TO SHORE CREST RD	Termini	BIRCHMONT DR NE- ANNEBELL ST NE TO SHORE CREST RD
485	Present AADT	485
2018	Year of Count	2018
1.1	Projection Factor	1.1
534	Projected Traffic	534
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
GRADED 2008, SAP 4-617-003 STATE AID & LOCAL OFF SYSTEM \$'S	Comments	GRADED 2008, SAP 4-617-003 STATE AID & LOCAL OFF SYSTEM \$'S
	Interchange Override	
	Segment Override	

Culvert Information

Status: Deleted

Original		Current
93710	Structure Number	93710
0.63	Milepoint	0.63
1985	Year Built	1985
BALSAM BROOK (JD # 35)	Feature Crossed	BALSAM BROOK (JD # 35)
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
6	Culvert Height	6
56	Culvert Length	56
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
Deleted Segment	If status is Deleted, result is zero		\$0
Total Segment Cost	Deleted Segment	\$0	\$0

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Deleted

County Name : BELTRAMI Segment Nbr : 004-617-030

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
SHORE CREST RD - BIRCHMONT DR NE TO BEMIDJI AVE N (CSAH 21)	Termini	SHORE CREST RD - BIRCHMONT DR NE TO BEMIDJI AVE N (CSAH 21)
275	Present AADT	275
2018	Year of Count	2018
1.1	Projection Factor	1.1
303	Projected Traffic	303
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
GRADED 2008, SAP 4-617-003 STATE AID & LOCAL OFF SYSTEM \$'S	Comments	GRADED 2008, SAP 4-617-003 STATE AID & LOCAL OFF SYSTEM \$'S
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Deleted Segment	If status is Deleted, result is zero		\$0
Total Segment Cost	Deleted Segment	\$0	\$0

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-619-010

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO 0.5 MI NO	Termini	CSAH 12 TO 0.5 MI NO
2500	Present AADT	2500
2018	Year of Count	2018
1.1	Projection Factor	1.1
2750	Projected Traffic	2750
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 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
2013 SAP 004-619-009 M&OL		2013 SAP 004-619-009 M&OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 1615228.3 / 60 * 25 * 1.15	\$386,982
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2904 * 48.4 / 15 * 25	\$117,128
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 39859.48 / 60 * 25	\$8,304
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$386,982 + \$117,128 + \$8,304	\$512,414

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-619-011

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.52	Segment Length	0.52
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.5 MI NO CSAH 12 TO NO LIM OF BEMIDJI	Termini	0.5 MI NO CSAH 12 TO NO LIM OF BEMIDJI
2100	Present AADT	2100
2018	Year of Count	2018
1.1	Projection Factor	1.1
2310	Projected Traffic	2310
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
2013 SAP 004-619-009 M&OL		2013 SAP 004-619-009 M&OL
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
04514	Structure Number	04514
0.64	Milepoint	0.64
1984	Year Built	1984
MISSISSIPPI RIVER	Feature Crossed	MISSISSIPPI RIVER
	Type of Service	
	Number of Spans	
182.8	Bridge Length	182.8
44	Bridge Width	44
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.52 * 976421.84 / 60 * 25 * 1.1	\$232,714
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.52 * 2376 * 48.4 / 20 * 25	\$74,749
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.52 * 115284.28 / 60 * 25	\$24,978
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	182.8 * 44 * 141 / 80 * 25 * 1.15	\$407,564
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$232,714 + \$74,749 + \$24,978 + \$407,564	\$740,005

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-619-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.2	Segment Length	1.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NORTH LIMITS BEMIDJI TO LAVINIA ROAD	Termini	NORTH LIMITS BEMIDJI TO LAVINIA ROAD
1400	Present AADT	1400
2018	Year of Count	2018
1.1	Projection Factor	1.1
1540	Projected Traffic	1540
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
	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	1.2 * 976421.84 / 60 * 25 * 1.1	\$537,032
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.2 * 2376 * 48.4 / 20 * 25	\$172,498
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.2 * 115284.28 / 60 * 25	\$57,642
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$537,032 + \$172,498 + \$57,642	\$767,172

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-619-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.9	Segment Length	1.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
LAVINIA ROAD TO 1.1 MI. SOUTH OF CSAH 20	Termini	LAVINIA ROAD TO 1.1 MI. SOUTH OF CSAH 20
1350	Present AADT	1350
2018	Year of Count	2018
1.1	Projection Factor	1.1
1485	Projected Traffic	1485
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 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
	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	1.9 * 921437.49 / 60 * 25 * 1.1	\$802,418
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.9 * 2112 * 48.4 / 20 * 25	\$242,774
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.9 * 15202.93 / 60 * 25	\$12,036
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$802,418 + \$242,774 + \$12,036	\$1,057,228

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-619-040

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
1.1 MI. SOUTH OF CSAH 20 TO JCT OF CSAH 20	Termini	1.1 MI. SOUTH OF CSAH 20 TO JCT OF CSAH 20
1350	Present AADT	1350
2018	Year of Count	2018
1.1	Projection Factor	1.1
1485	Projected Traffic	1485
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 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
04524	Structure Number	04524
4.679	Milepoint	4.679
2007	Year Built	2007
BASS CREEK	Feature Crossed	BASS CREEK
	Type of Service	
	Number of Spans	
101.67	Bridge Length	101.67
38	Bridge Width	38
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Bridge Information

Status: Original

Original		Current
04525	Structure Number	04525
	Milepoint	
2007	Year Built	2007
PAUL BUNYAN STATE TRAIL	Feature Crossed	PAUL BUNYAN STATE TRAIL
OTHER	Type of Service	OTHER
1	Number of Spans	1
57.52	Bridge Length	57.52
38	Bridge Width	38
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

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

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$1.1 * 1615228.3 / 60 * 25 * 1.15$	\$851,360
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$1.1 * 2904 * 48.4 / 15 * 25$	\$257,682
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$1.1 * 39859.48 / 60 * 25$	\$18,269
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$101.67 * 38 * 173 / 80 * 25 * 1.15$	\$240,199
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$57.52 * 38 * 173 / 80 * 25 * 1.15$	\$135,893
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge	$\$0 + \$851,360 + \$257,682 + \$18,269 + \$240,199 + \$135,893$	\$1,503,403

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-620-010

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 21 TO 0.1 MI E	Termini	CSAH 21 TO 0.1 MI E
3650	Present AADT	3650
2018	Year of Count	2018
1.1	Projection Factor	1.1
4015	Projected Traffic	4015
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
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	0.1 * 976421.84 / 60 * 25 * 1.1	\$44,753
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2376 * 48.4 / 20 * 25	\$14,375
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 115284.28 / 60 * 25	\$4,804
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$44,753 + \$14,375 + \$4,804	\$63,932

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-620-011

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
0.1 MI E TO 0.9 MI E OF CSAH 21	Termini	0.1 MI E TO 0.9 MI E OF CSAH 21
3650	Present AADT	3650
2018	Year of Count	2018
1.1	Projection Factor	1.1
4015	Projected Traffic	4015
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
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 * 976421.84 / 60 * 25 * 1.1	\$358,021
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2376 * 48.4 / 20 * 25	\$114,998
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 115284.28 / 60 * 25	\$38,428
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$358,021 + \$114,998 + \$38,428	\$511,447

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-620-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.9 MI E OF CSAH 21 TO 1.10 MILES E. OF CSAH 21	Termini	0.9 MI E OF CSAH 21 TO 1.10 MILES E. OF CSAH 21
3650	Present AADT	3650
2018	Year of Count	2018
1.1	Projection Factor	1.1
4015	Projected Traffic	4015
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 976421.84 / 60 * 25 * 1.1	\$89,505
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2376 * 48.4 / 20 * 25	\$28,750
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 115284.28 / 60 * 25	\$9,607
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$89,505 + \$28,750 + \$9,607	\$127,862

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-620-021

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.10 MILES E OF CASH 21 TO 1.3 MILES E CSAH 21	Termini	1.10 MILES E OF CASH 21 TO 1.3 MILES E CSAH 21
3650	Present AADT	3650
2018	Year of Count	2018
1.1	Projection Factor	1.1
4015	Projected Traffic	4015
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 1615228.3 / 60 * 25 * 1.15	\$154,793
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2904 * 48.4 / 15 * 25	\$46,851
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 39859.48 / 60 * 25	\$3,322
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$154,793 + \$46,851 + \$3,322	\$204,966

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-620-022

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.3 MILES E CSAH 21 TO CSAH 18	Termini	1.3 MILES E CSAH 21 TO CSAH 18
3650	Present AADT	3650
2018	Year of Count	2018
1.1	Projection Factor	1.1
4015	Projected Traffic	4015
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 976421.84 / 60 * 25 * 1.1	\$89,505
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2376 * 48.4 / 20 * 25	\$28,750
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 115284.28 / 60 * 25	\$9,607
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$89,505 + \$28,750 + \$9,607	\$127,862

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-620-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.7	Segment Length	5.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CR 414 TO CSAH 27	Termini	CR 414 TO CSAH 27
1050	Present AADT	1050
2018	Year of Count	2018
1.1	Projection Factor	1.1
1155	Projected Traffic	1155
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1971	Latest Year SA funds	1971
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	5.7 * 921437.49 / 60 * 25 * 1.1	\$2,407,255
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.7 * 2112 * 48.4 / 20 * 25	\$728,323
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.7 * 15202.93 / 60 * 25	\$36,107
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,407,255 + \$728,323 + \$36,107	\$3,171,685

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-620-050

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
11.4	Segment Length	11.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 27 TO CSAH 39	Termini	CSAH 27 TO CSAH 39
620	Present AADT	620
2018	Year of Count	2018
1.1	Projection Factor	1.1
682	Projected Traffic	682
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-620-008 RC&OL	Comments	2016 SAP 004-620-008 RC&OL
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
04516	Structure Number	04516
12.96	Milepoint	12.96
1992	Year Built	1992
TURTLE RIVER	Feature Crossed	TURTLE RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
95.8	Bridge Length	95.8
36	Bridge Width	36
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: Original

Original		Current
94182	Structure Number	94182
14.45	Milepoint	14.45
1991	Year Built	1991
N BR TURTLE RIVER	Feature Crossed	N BR TURTLE RIVER
	Type of Service	
1	Number of Barrels	1
14	Culvert Width	14
10	Culvert Height	10
76	Culvert Length	76
98.99989386	Area of Waterway Opening	98.99989386
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$11.4 * 921437.49 / 60 * 25 * 1.1$	\$4,814,511
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$11.4 * 2112 * 48.4 / 20 * 25$	\$1,456,646
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$11.4 * 15202.93 / 60 * 25$	\$72,214
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$95.8 * 36 * 173 / 80 * 25 * 1.15$	\$214,418
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$76 * 98.99989386 * 18.01 / 100 * 25 * 1.15$	\$38,958
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	$\$0 + \$4,814,511 + \$1,456,646 + \$72,214 + \$214,418 + \$38,958$	\$6,596,747

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : BELTRAMI Segment Nbr : 004-621-005

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.48	Segment Length	0.41
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
PAUL BUNYAN DRIVE TO NO LIM BEMIDJI	Termini	PAUL BUNYAN DRIVE TO 29TH STREET NW
8100	Present AADT	8100
2018	Year of Count	2018
1.1	Projection Factor	1.1
8910	Projected Traffic	8910
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2000	Latest Year SA funds	2000
1	Number of Signal Legs	1
No Special Message	Special Message Code	No Special Message
ORDER 93490 TRADE W/BJI	Comments	ORDER 93490 TRADE W/BJI
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.41 * 1615228.3 / 60 * 25 * 1.15	\$317,325
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.41 * 2904 * 48.4 / 15 * 25	\$96,045
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.41 * 39859.48 / 60 * 25	\$6,809
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$38,281 + \$317,325 + \$96,045 + \$6,809	\$458,460

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : **BELTRAMI** Segment Nbr : **004-621-010**

Original		Current
Unassigned/Unknown	Municipality	BEMIDJI
0.5	Segment Length	2.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NO LIM BEMIDJI TO CSAH 52	Termini	29TH STREET TO NORTH LIMITS OF BEMIDJI
7500	Present AADT	7500
2018	Year of Count	2018
1.1	Projection Factor	1.1
8250	Projected Traffic	8250
RURAL	Design Type	RURAL
4 - RURAL : 7000 - 999999	Design Group	4 (RURAL : 7000 - 999999)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
2017 SAP 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
2012 SAP 004-621-005 SEALCOAT		2012 SAP 004-621-005 SEALCOAT
OVERLAY UNDER SAP 04-621-02		OVERLAY UNDER SAP 04-621-02
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.6 * 2171784.07 / 60 * 25 * 1.1	\$2,588,043
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.6 * 3564 * 48.4 / 20 * 25	\$560,617
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.6 * 336946.71 / 60 * 25	\$365,026
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,588,043 + \$560,617 + \$365,026	\$3,513,686

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

BELTRAMI

Segment Nbr : 004-621-011

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2.5	Segment Length	2.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 52 TO CSAH 20	Termini	NORTH LIMITS OF BEMIDJI TO CSAH 20
6400	Present AADT	6400
2018	Year of Count	2018
1.1	Projection Factor	1.1
7040	Projected Traffic	2900
RURAL	Design Type	RURAL
4 - RURAL : 7000 - 999999	Design Group	4 (RURAL : 7000 - 999999)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
2017 SAP 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
2012 SAP 004-621-005 SEALCOAT		2012 SAP 004-621-005 SEALCOAT
OVERLAYED UNDER SAP 04-621-02		OVERLAYED UNDER SAP 04-621-02
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original

Current

8337	Structure Number	8337
1.55	Milepoint	1.55
1931	Year Built	1931
STREAM	Feature Crossed	STREAM
	Type of Service	
2	Number of Barrels	2
	Culvert Width	
	Culvert Height	
99	Culvert Length	99
77.99952496	Area of Waterway Opening	77.99952496
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 * 2171784.07 / 60 * 25 * 1.1	\$2,488,503
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 3564 * 48.4 / 20 * 25	\$539,055
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 336946.71 / 60 * 25	\$350,986

Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	99 * 77.99952496 * 18.01 / 100 * 25 * 1.15	\$39,983
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,488,503 + \$539,055 + \$350,986 + \$39,983	\$3,418,527

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : BELTRAMI Segment Nbr : 004-621-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.3	Segment Length	5.77
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 20 TO W LIM TURTLE RIVER	Termini	CSAH 20 TO W LIM TURTLE RIVER
2900	Present AADT	2900
2018	Year of Count	2018
1.1	Projection Factor	1.1
3190	Projected Traffic	3190
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
2012 SAP 004-621-005 SEALCOAT	Comments	2012 SAP 004-621-005 SEALCOAT
	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	5.77 * 976421.84 / 60 * 25 * 1.1	\$2,582,229
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.77 * 2376 * 48.4 / 20 * 25	\$829,426
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.77 * 115284.28 / 60 * 25	\$277,163
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,582,229 + \$829,426 + \$277,163	\$3,688,818

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : **BELTRAMI** Segment Nbr : **004-621-040**

Original		Current
TURTLE RIVER	Municipality	TURTLE RIVER
0.5	Segment Length	0.52
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W C L TURTLE RIVER TO NO C L TURTLE RIVER	Termini	W C L TURTLE RIVER TO NO C L TURTLE RIVER
1050	Present AADT	1050
2018	Year of Count	2018
1.1	Projection Factor	1.1
1155	Projected Traffic	1155
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-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
2017 SAP 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
2012 SAP 004-621-005 SEALCOAT		2012 SAP 004-621-005 SEALCOAT
	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	0.52 * 921437.49 / 60 * 25 * 1.1	\$219,609
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.52 * 2112 * 48.4 / 20 * 25	\$66,444
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.52 * 15202.93 / 60 * 25	\$3,294
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$219,609 + \$66,444 + \$3,294	\$289,347

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : BELTRAMI Segment Nbr : 004-621-050

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.23
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NO C L TURTLE RIVER TO TH 71	Termini	NO C L TURTLE RIVER TO TH 71
1050	Present AADT	1050
2018	Year of Count	2018
1.1	Projection Factor	1.1
1155	Projected Traffic	1155
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-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
2017 SAP 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
2012 SAP 004-621-005 SEALCOAT		2012 SAP 004-621-005 SEALCOAT
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.23 * 921437.49 / 60 * 25 * 1.1	\$97,135
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.23 * 2112 * 48.4 / 20 * 25	\$29,388
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.23 * 15202.93 / 60 * 25	\$1,457
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$97,135 + \$29,388 + \$1,457	\$127,980

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-622-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.2	Segment Length	3.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W CO LINE TO 0.50 MI E OF PINEWOOD	Termini	W CO LINE TO 0.50 MI E OF PINEWOOD
550	Present AADT	550
2018	Year of Count	2018
1.1	Projection Factor	1.1
605	Projected Traffic	605
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
93794	Structure Number	93794
1.51	Milepoint	1.51
1987	Year Built	1987
CLEARWATER RIVER	Feature Crossed	CLEARWATER RIVER
	Type of Service	
2	Number of Barrels	2
14	Culvert Width	14
8	Culvert Height	8
100	Culvert Length	100
162.99989048	Area of Waterway Opening	162.99989048
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.2 * 921437.49 / 60 * 25 * 1.1	\$1,351,442
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.2 * 2112 * 48.4 / 20 * 25	\$408,883
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.2 * 15202.93 / 60 * 25	\$20,271
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	100 * 162.99989048 * 18.01 / 100 * 25 * 1.15	\$84,399

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,351,442 + \$408,883 + \$20,271 + \$84,399	\$1,864,995
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-622-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.6	Segment Length	5.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.50 MI E OF PINEWOOD TO TH 89	Termini	0.50 MI E OF PINEWOOD TO TH 89
550	Present AADT	550
2018	Year of Count	2018
1.1	Projection Factor	1.1
605	Projected Traffic	605
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
SAP PLAN #004-622-018	Comments	SAP PLAN #004-622-018
	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	5.6 * 921437.49 / 60 * 25 * 1.1	\$2,365,023
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.6 * 2112 * 48.4 / 20 * 25	\$715,546
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.6 * 15202.93 / 60 * 25	\$35,474
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,365,023 + \$715,546 + \$35,474	\$3,116,043

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-622-030

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 89 TO CSAH 15	Termini	TH 89 TO CSAH 15
1550	Present AADT	1550
2018	Year of Count	2018
1.1	Projection Factor	1.1
1705	Projected Traffic	1705
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 SAP 004-622-020 M&OL	Comments	2013 SAP 004-622-020 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	6 * 976421.84 / 60 * 25 * 1.1	\$2,685,160
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2376 * 48.4 / 20 * 25	\$862,488
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 115284.28 / 60 * 25	\$288,211
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,685,160 + \$862,488 + \$288,211	\$3,835,859

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

BELTRAMI

Segment Nbr : 004-622-050

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
CSAH 15 TO 1.0 MI E OF CSAH 15	Termini	CSAH 15 TO 1.0 MI E OF CSAH 15
1050	Present AADT	1050
2018	Year of Count	2018
1.1	Projection Factor	1.1
1155	Projected Traffic	1155
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: New

Original

Current

04530	Structure Number	04530
15.6	Milepoint	15.6
2020	Year Built	2020
Turtle River	Feature Crossed	Turtle River
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
42.1	Bridge Length	42.1
35	Bridge Width	35
100%	Shared Structure	100%
This bridge replaced 7390 that wasn't listed in this segment. J.N. 1/27/2021	Comments	This bridge 04530 replaced bridge 7390 that wasn't listed in this segment. J.N. 1/27/2021
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 * 921437.49 / 60 * 25 * 1.1	\$422,326
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 48.4 / 20 * 25	\$127,776
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 15202.93 / 60 * 25	\$6,335
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	42.1 * 35 * 173 / 80 * 25 * 1.15	\$91,610
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$422,326 + \$127,776 + \$6,335 + \$91,610	\$648,047

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-622-060

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.7	Segment Length	2.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.0 MI E CSAH 15 TO 3 ISLAND LK	Termini	1.0 MI E CSAH 15 TO 3 ISLAND LK
670	Present AADT	670
2018	Year of Count	2018
1.1	Projection Factor	1.1
737	Projected Traffic	737
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
7390	Structure Number	7390
16.67	Milepoint	16.67
1961	Year Built	1961
TURTLE RIVER	Feature Crossed	TURTLE RIVER
	Type of Service	
	Number of Spans	
25.1	Bridge Length	25.1
25	Bridge Width	25
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.7 * 921437.49 / 60 * 25 * 1.1	\$1,140,279
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.7 * 2112 * 48.4 / 20 * 25	\$344,995
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.7 * 15202.93 / 60 * 25	\$17,103
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	25.1 * 25 * 173 / 80 * 25 * 1.15	\$39,013
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,140,279 + \$344,995 + \$17,103 + \$39,013	\$1,541,390

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-622-070

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.4	Segment Length	3.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3 ISLAND LAKE TO TH 71	Termini	3 ISLAND LAKE TO TH 71
670	Present AADT	670
2018	Year of Count	2018
1.1	Projection Factor	1.1
737	Projected Traffic	737
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
97549	Structure Number	97549
19.41	Milepoint	19.41
1993	Year Built	1993
TURTLE RIVER	Feature Crossed	TURTLE RIVER
	Type of Service	
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

Segment Cost Information

Computation Factor	Computation 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 * 921437.49 / 60 * 25 * 1.1	\$1,435,907
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.4 * 2112 * 48.4 / 20 * 25	\$434,438
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.4 * 15202.93 / 60 * 25	\$21,537
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 81.00050028 * 18.01 / 100 * 25 * 1.15	\$25,165
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,435,907 + \$434,438 + \$21,537 + \$25,165	\$1,917,047

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-622-090

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 71 TO 1.5 MI W OF CSAH 27	Termini	TH 71 TO 1.5 MI W OF CSAH 27
630	Present AADT	630
2018	Year of Count	2018
1.1	Projection Factor	1.1
693	Projected Traffic	693
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-622-021 RC&OL	Comments	2016 SAP 004-622-021 RC&OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 921437.49 / 60 * 25 * 1.1	\$1,266,977
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 48.4 / 20 * 25	\$383,328
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 15202.93 / 60 * 25	\$19,004
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,266,977 + \$383,328 + \$19,004	\$1,669,309

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-622-100

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
1.5 MI W CSAH 27 TO CSAH 27	Termini	1.5 MI W CSAH 27 TO CSAH 27
630	Present AADT	630
2018	Year of Count	2018
1.1	Projection Factor	1.1
693	Projected Traffic	693
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-622-021 RC&OL	Comments	2016 SAP 004-622-021 RC&OL
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
04509	Structure Number	04509
26.564	Milepoint	26.564
1971	Year Built	1971
MOOSE CREEK	Feature Crossed	MOOSE CREEK
	Type of Service	
	Number of Spans	
26	Bridge Length	26
34.2	Bridge Width	34.2
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Bridge Information

Status: Original

Original		Current
04510	Structure Number	04510
28.048	Milepoint	28.048
1972	Year Built	1972
TURTLE RIVER	Feature Crossed	TURTLE RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
54	Bridge Length	54
34.2	Bridge Width	34.2
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

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

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$1.5 * 921437.49 / 60 * 25 * 1.1$	\$633,488
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$1.5 * 2112 * 48.4 / 20 * 25$	\$191,664
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$1.5 * 15202.93 / 60 * 25$	\$9,502
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$26 * 34.2 * 173 / 80 * 25 * 1.15$	\$55,283
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$54 * 34.2 * 173 / 80 * 25 * 1.15$	\$114,819
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge	$\$0 + \$633,488 + \$191,664 + \$9,502 + \$55,283 + \$114,819$	\$1,004,756

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-622-110

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.7	Segment Length	0.7
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 27 TO 0.70 MILE E	Termini	CSAH 27 TO 0.70 MILE E
145	Present AADT	145
2018	Year of Count	2018
1.1	Projection Factor	1.1
160	Projected Traffic	160
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	0.7 * 921437.49 / 60 * 25 * 1.1	\$295,628
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.7 * 2112 * 48.4 / 20 * 25	\$89,443
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.7 * 15202.93 / 60 * 25	\$4,434
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$295,628 + \$89,443 + \$4,434	\$389,505

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-622-120

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.8	Segment Length	0.8
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM 0.70 MILES E. OF CSAH 27 TO 1.50 MILES EAST OF CSAH 27	Termini	FROM 0.70 MILES E. OF CSAH 27 TO 1.50 MILES EAST OF CSAH 27
145	Present AADT	145
2018	Year of Count	2018
1.1	Projection Factor	1.1
160	Projected Traffic	160
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
04J06	Structure Number	04J06
29.96	Milepoint	29.96
2000	Year Built	2000
Turtle River	Feature Crossed	Turtle River
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Barrels	3
	Culvert Width	
	Culvert Height	
100	Culvert Length	100
344.00025093	Area of Waterway Opening	344.00025093
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	0.8 * 921437.49 / 60 * 25 * 1.1	\$337,860
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2112 * 48.4 / 20 * 25	\$102,221
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 15202.93 / 60 * 25	\$5,068
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	100 * 344.00025093 * 18.01 / 100 * 25 * 1.15	\$178,119

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$337,860 + \$102,221 + \$5,068 + \$178,119	\$623,268
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-622-135

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.9	Segment Length	1.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.50 MILES EAST OF CSAH 27 TO 0.70MI E OF TWP RD (HALES)	Termini	1.50 MILES EAST OF CSAH 27 TO 0.70MI E OF TWP RD (HALES)
145	Present AADT	145
2018	Year of Count	2018
1.1	Projection Factor	1.1
160	Projected Traffic	160
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
NEW SEGMENT FROM SEGMENT 04-622-130	Comments	NEW SEGMENT FROM SEGMENT 04-622-130
	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	1.9 * 921437.49 / 60 * 25 * 1.1	\$802,418
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.9 * 2112 * 48.4 / 20 * 25	\$242,774
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.9 * 15202.93 / 60 * 25	\$12,036
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$802,418 + \$242,774 + \$12,036	\$1,057,228

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-622-140

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.3	Segment Length	1.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.7 MI E OF TWP RD (HALES) TO2.2 MILE W OF CSAH 39	Termini	0.7 MI E OF TWP RD (HALES) TO2.2 MILE W OF CSAH 39
145	Present AADT	145
2018	Year of Count	2018
1.1	Projection Factor	1.1
160	Projected Traffic	160
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
NEW SEGMENT FROM SEGMENT 04-622-130	Comments	NEW SEGMENT FROM SEGMENT 04-622-130
GRADED 2008, SP 4-622-016		GRADED 2008, SP 4-622-016
	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	1.3 * 921437.49 / 60 * 25 * 1.1	\$549,023
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.3 * 2112 * 48.4 / 20 * 25	\$166,109
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.3 * 15202.93 / 60 * 25	\$8,235
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$549,023 + \$166,109 + \$8,235	\$723,367

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-622-145

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
2.2 MI W OF CSAH 39 TO CSAH 39	Termini	2.2 MI W OF CSAH 39 TO CSAH 39
145	Present AADT	145
2018	Year of Count	2018
1.1	Projection Factor	1.1
160	Projected Traffic	160
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	2.2 * 921437.49 / 60 * 25 * 1.1	\$929,116
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.2 * 2112 * 48.4 / 20 * 25	\$281,107
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.2 * 15202.93 / 60 * 25	\$13,936
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$929,116 + \$281,107 + \$13,936	\$1,224,159

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-623-010

Original	Current
Unassigned/Unknown	Unassigned/Unknown
4.9	4.9
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
TH 71 TO CO RD 203	TH 71 TO CO RD 203
1000	1000
2018	2018
1.1	1.1
1100	1100
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2017	2017
0	0
No Special Message	No Special Message
2017 SAP 004-030-007 SEALCOAT	2017 SAP 004-030-007 SEALCOAT
2015 SP 004-623-027 RC&OL	2015 SP 004-623-027 RC&OL
	Interchange Override
	Segment Override

Culvert Information

Status: Original

Original	Current
04J03	04J03
0.58	0.58
1995	1995
TURTLE RIVER	TURTLE RIVER
STREAM CROSSING	STREAM CROSSING
1	1
12	12
8	8
72	72
95.99999493	95.99999493
100%	100%
	Comments
1	Culvert Group Code 1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.9 * 921437.49 / 60 * 25 * 1.1	\$2,069,395
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.9 * 2112 * 48.4 / 20 * 25	\$626,102
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.9 * 15202.93 / 60 * 25	\$31,039
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	72 * 95.99999493 * 18.01 / 100 * 25 * 1.15	\$35,789

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,069,395 + \$626,102 + \$31,039 + \$35,789	\$2,762,325
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-623-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.2	Segment Length	2.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 203 TO CSAH 29	Termini	CO RD 203 TO CSAH 29
690	Present AADT	690
2018	Year of Count	2018
1.1	Projection Factor	1.1
759	Projected Traffic	759
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 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
2015 SP 004-623-027 RC&OL		2015 SP 004-623-027 RC&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	2.2 * 921437.49 / 60 * 25 * 1.1	\$929,116
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.2 * 2112 * 48.4 / 20 * 25	\$281,107
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.2 * 15202.93 / 60 * 25	\$13,936
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$929,116 + \$281,107 + \$13,936	\$1,224,159

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-623-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.7	Segment Length	4.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 29 TO CSAH 32	Termini	CSAH 29 TO CSAH 32
300	Present AADT	300
2018	Year of Count	2018
1.1	Projection Factor	1.1
330	Projected Traffic	330
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2009 OVERLAY, SP 4-623-025	Comments	2009 OVERLAY, SP 4-623-025
	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	4.7 * 921437.49 / 60 * 25 * 1.1	\$1,984,930
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.7 * 2112 * 48.4 / 20 * 25	\$600,547
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.7 * 15202.93 / 60 * 25	\$29,772
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,984,930 + \$600,547 + \$29,772	\$2,615,249

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-623-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.8	Segment Length	7.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 32 TO TH 1	Termini	CSAH 32 TO TH 1
300	Present AADT	300
2018	Year of Count	2018
1.1	Projection Factor	1.1
330	Projected Traffic	330
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
93760	Structure Number	93760
15.17	Milepoint	15.17
1986	Year Built	1986
DARRIGANS CREEK	Feature Crossed	DARRIGANS CREEK
	Type of Service	
1	Number of Barrels	1
14	Culvert Width	14
10	Culvert Height	10
76	Culvert Length	76
98.99989386	Area of Waterway Opening	98.99989386
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	7.8 * 921437.49 / 60 * 25 * 1.1	\$3,294,139
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.8 * 2112 * 48.4 / 20 * 25	\$996,653
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.8 * 15202.93 / 60 * 25	\$49,410
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	76 * 98.99989386 * 18.01 / 100 * 25 * 1.15	\$38,958
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$3,294,139 + \$996,653 + \$49,410 + \$38,958	\$4,379,160

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-623-070

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 1 TO .05 MI SO SQUAW CREEK.	Termini	TH 1 TO .05 MI SO SQUAW CREEK.
130	Present AADT	130
2018	Year of Count	2018
1.1	Projection Factor	1.1
143	Projected Traffic	143
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 * 460718.75 / 60 * 25 * 1.1	\$485,674
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.3 * 546 * 10.75 / 2 * 25	\$168,748
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.3 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$485,674 + \$168,748 + \$0	\$654,422

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-623-071

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.1	Segment Length	0.1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
.05 MI SO SQUAW CREEK TO .05 MI NO SQUAW CREEK.	Termini	.05 MI SO SQUAW CREEK TO .05 MI NO SQUAW CREEK.
130	Present AADT	130
2018	Year of Count	2018
1.1	Projection Factor	1.1
143	Projected Traffic	143
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	

Culvert Information

Status: Original

Original		Current
97160	Structure Number	97160
23.43	Milepoint	23.43
1990	Year Built	1990
SQUAW CREEK	Feature Crossed	SQUAW CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
4	Culvert Height	4
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
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.1 * 460718.75 / 60 * 25 * 1.1	\$21,116
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 546 * 10.75 / 2 * 25	\$7,337
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 48.00053566 * 18.01 / 100 * 25 * 1.15	\$13,421
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$21,116 + \$7,337 + \$0 + \$13,421	\$41,874

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-623-072

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2.6	Segment Length	2.6
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
.05 MI NO SQUAW CREEK TO CSAH 34	Termini	.05 MI NO SQUAW CREEK TO CSAH 34
130	Present AADT	130
2018	Year of Count	2018
1.1	Projection Factor	1.1
143	Projected Traffic	143
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	2.6 * 460718.75 / 60 * 25 * 1.1	\$549,023
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.6 * 546 * 10.75 / 2 * 25	\$190,759
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.6 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$549,023 + \$190,759 + \$0	\$739,782

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-623-080

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.5	Segment Length	3.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 34 TO CSAH 38	Termini	CSAH 34 TO CSAH 38
130	Present AADT	130
2018	Year of Count	2018
1.1	Projection Factor	1.1
143	Projected Traffic	143
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
OVERLAY 2010, SAP 4-623-026	Comments	OVERLAY 2010, SAP 4-623-026
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93576	Structure Number	93576
26.11	Milepoint	26.11
1982	Year Built	1982
NORTH CORMORANT RIVER	Feature Crossed	NORTH CORMORANT RIVER
	Type of Service	
3	Number of Barrels	3
14	Culvert Width	14
10	Culvert Height	10
52	Culvert Length	52
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.5 * 921437.49 / 60 * 25 * 1.1	\$1,478,139
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.5 * 2112 * 48.4 / 20 * 25	\$447,216
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.5 * 15202.93 / 60 * 25	\$22,171
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	52 * 296.99968158 * 18.01 / 100 * 25 * 1.15	\$79,967
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,478,139 + \$447,216 + \$22,171 + \$79,967	\$2,027,493

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-623-090**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.5	Segment Length	6.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 38 TO CO RD 113 @ SHOTLEY	Termini	CSAH 38 TO CO RD 113 @ SHOTLEY
110	Present AADT	110
2018	Year of Count	2018
1.1	Projection Factor	1.1
121	Projected Traffic	121
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
	Latest Year SA funds	
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
04508	Structure Number	04508
29.37	Milepoint	29.37
1971	Year Built	1971
S BR BATTLE RIVER	Feature Crossed	S BR BATTLE RIVER
	Type of Service	
	Number of Spans	
75.2	Bridge Length	75.2
38	Bridge Width	38
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: Original

Original		Current
93699	Structure Number	93699
31	Milepoint	31
1984	Year Built	1984
N BR BATTLE RIVER	Feature Crossed	N BR BATTLE RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
7	Culvert Height	7
40	Culvert Length	40
102.9997591	Area of Waterway Opening	102.9997591
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	$6.5 * 460718.75 / 60 * 25 * 1.1$	\$1,372,558
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	$6.5 * 546 * 10.75 / 2 * 25$	\$476,897
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	$6.5 * 0 / 60 * 25$	\$0
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	$75.2 * 38 * 173 / 80 * 25 * 1.15$	\$177,662
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	$40 * 102.9997591 * 18.01 / 100 * 25 * 1.15$	\$21,333
Total Segment Cost	Construction + Preservation + ROW + Bridge + Culvert	$\$1,372,558 + \$476,897 + \$0 + \$177,662 + \$21,333$	\$2,048,450

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-623-120

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.8	Segment Length	1.8
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 113 @ SHOTLEY TO 1.8 MI NO	Termini	CO RD 113 @ SHOTLEY TO 1.8 MI NO
135	Present AADT	135
2018	Year of Count	2018
1.1	Projection Factor	1.1
149	Projected Traffic	149
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$1.8 * 460718.75 / 60 * 25 * 1.1$	\$380,093
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$1.8 * 546 * 10.75 / 2 * 25$	\$132,064
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$1.8 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	\$380,093 + \$132,064 + \$0	\$512,157

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-623-130

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
1.8 M N SHOTLEY TO 2.8 M N SHOTLEY	Termini	1.8 M N SHOTLEY TO 2.8 M N SHOTLEY
135	Present AADT	135
2018	Year of Count	2018
1.1	Projection Factor	1.1
149	Projected Traffic	149
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$1 * 460718.75 / 60 * 25 * 1.1$	\$211,163
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$1 * 546 * 10.75 / 2 * 25$	\$73,369
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$1 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	$\$211,163 + \$73,369 + \$0$	\$284,532

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-623-131

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.6	Segment Length	5.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.8 MI N SHOTLEY TO TH 72	Termini	2.8 MI N SHOTLEY TO TH 72
135	Present AADT	135
2018	Year of Count	2018
1.1	Projection Factor	1.1
149	Projected Traffic	149
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
94200	Structure Number	94200
40.72	Milepoint	40.72
1991	Year Built	1991
SHOTLEY BROOK	Feature Crossed	SHOTLEY BROOK
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Barrels	3
	Culvert Width	
	Culvert Height	
62	Culvert Length	62
252.00012124	Area of Waterway Opening	252.00012124
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.6 * 921437.49 / 60 * 25 * 1.1	\$2,365,023
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.6 * 2112 * 48.4 / 20 * 25	\$715,546
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.6 * 15202.93 / 60 * 25	\$35,474
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	62 * 252.00012124 * 18.01 / 100 * 25 * 1.15	\$80,899
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,365,023 + \$715,546 + \$35,474 + \$80,899	\$3,196,942

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-624-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.9	Segment Length	2.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W CO LINE TO CSAH 5 N	Termini	W CO LINE TO CSAH 5 N
240	Present AADT	240
2018	Year of Count	2018
1.1	Projection Factor	1.1
264	Projected Traffic	264
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 004-624-011 RC&OL	Comments	2017 SAP 004-624-011 RC&OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93711	Structure Number	93711
1.15	Milepoint	1.15
1985	Year Built	1985
CLEARWATER RIVER	Feature Crossed	CLEARWATER RIVER
	Type of Service	
2	Number of Barrels	2
14	Culvert Width	14
10	Culvert Height	10
50	Culvert Length	50
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
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.9 * 921437.49 / 60 * 25 * 1.1	\$1,224,744
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.9 * 2112 * 48.4 / 20 * 25	\$370,550
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.9 * 15202.93 / 60 * 25	\$18,370
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	50 * 197.99978772 * 18.01 / 100 * 25 * 1.15	\$51,261
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,224,744 + \$370,550 + \$18,370 + \$51,261	\$1,664,925

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-624-020

Original	Current
Unassigned/Unknown	Unassigned/Unknown
5.5	5.5
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
SO JCT CSAH 5 TO TH 89	SO JCT CSAH 5 TO TH 89
470	470
2018	2018
1.1	1.1
517	517
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2017	2017
0	0
No Special Message	No Special Message
2017 SAP 004-624-011 RC&OL	2017 SAP 004-624-011 RC&OL
	Interchange Override
	Segment Override

Culvert Information

Status: Original

Original	Current
04J13	04J13
4.394	4.394
2017	2017
Unnamed Creek	Unnamed Creek
STREAM CROSSING	STREAM CROSSING
1	1
11.5	11.5
7.33	7.33
82	82
65.99	65.99
100%	100%
The existing culvert (over 10') was not on the inventory list. 004-624-013	The existing culvert (over 10') was not on the inventory list. 004-624-013
1	1
	Culvert Group Code

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.5 * 921437.49 / 60 * 25 * 1.1	\$2,322,790
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.5 * 2112 * 48.4 / 20 * 25	\$702,768
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.5 * 15202.93 / 60 * 25	\$34,840
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	82 * 65.99 * 18.01 / 100 * 25 * 1.15	\$28,018

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,322,790 + \$702,768 + \$34,840 + \$28,018	\$3,088,416
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-625-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.3	Segment Length	3.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 4 TO CSAH 8	Termini	CSAH 4 TO CSAH 8
395	Present AADT	395
2018	Year of Count	2018
1.1	Projection Factor	1.1
435	Projected Traffic	435
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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	3.3 * 921437.49 / 60 * 25 * 1.1	\$1,393,674
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.3 * 2112 * 48.4 / 20 * 25	\$421,661
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.3 * 15202.93 / 60 * 25	\$20,904
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,393,674 + \$421,661 + \$20,904	\$1,836,239

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-626-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.5	Segment Length	4.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 89 TO CO RD 301	Termini	TH 89 TO CO RD 301
265	Present AADT	265
2018	Year of Count	2018
1.1	Projection Factor	1.1
292	Projected Traffic	292
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.5 * 921437.49 / 60 * 25 * 1.1	\$1,900,465
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.5 * 2112 * 48.4 / 20 * 25	\$574,992
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.5 * 15202.93 / 60 * 25	\$28,505
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,900,465 + \$574,992 + \$28,505	\$2,503,962

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-626-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.4	Segment Length	1.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 301 TO 0.2 MI E CSAH 13	Termini	CO RD 301 TO 0.2 MI E CSAH 13
265	Present AADT	265
2018	Year of Count	2018
1.1	Projection Factor	1.1
292	Projected Traffic	292
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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	1.4 * 921437.49 / 60 * 25 * 1.1	\$591,256
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.4 * 2112 * 48.4 / 20 * 25	\$178,886
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.4 * 15202.93 / 60 * 25	\$8,868
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$591,256 + \$178,886 + \$8,868	\$779,010

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-626-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.3	Segment Length	0.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.2 MI E CSAH 13 TO CSAH 15	Termini	0.2 MI E CSAH 13 TO CSAH 15
610	Present AADT	610
2018	Year of Count	2018
1.1	Projection Factor	1.1
671	Projected Traffic	671
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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 * 921437.49 / 60 * 25 * 1.1	\$126,698
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 48.4 / 20 * 25	\$38,333
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 15202.93 / 60 * 25	\$1,900
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$126,698 + \$38,333 + \$1,900	\$166,931

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-627-010

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 8 TO CSAH 12	Termini	CSAH 8 TO CSAH 12
610	Present AADT	610
2018	Year of Count	2018
1.1	Projection Factor	1.1
671	Projected Traffic	671
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1996	Latest Year SA funds	1996
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 921437.49 / 60 * 25 * 1.1	\$844,651
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 48.4 / 20 * 25	\$255,552
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 15202.93 / 60 * 25	\$12,669
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$844,651 + \$255,552 + \$12,669	\$1,112,872

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-627-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
4.1	Segment Length	4.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO CSAH 20	Termini	CSAH 12 TO CSAH 20
620	Present AADT	620
2018	Year of Count	2018
1.1	Projection Factor	1.1
682	Projected Traffic	682
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.1 * 921437.49 / 60 * 25 * 1.1	\$1,731,535
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.1 * 2112 * 48.4 / 20 * 25	\$523,882
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.1 * 15202.93 / 60 * 25	\$25,972
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,731,535 + \$523,882 + \$25,972	\$2,281,389

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-627-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.9	Segment Length	3.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 20 TO CSAH 22	Termini	CSAH 20 TO CSAH 22
310	Present AADT	310
2018	Year of Count	2018
1.1	Projection Factor	1.1
341	Projected Traffic	341
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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	3.9 * 921437.49 / 60 * 25 * 1.1	\$1,647,070
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.9 * 2112 * 48.4 / 20 * 25	\$498,326
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.9 * 15202.93 / 60 * 25	\$24,705
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,647,070 + \$498,326 + \$24,705	\$2,170,101

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-629-010

Original

Current

TENSTRIKE	Municipality	TENSTRIKE
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
THIRD STREET TO 0.02 MILE WEST OF FOURTH STREET	Termini	THIRD STREET TO 0.02 MILE WEST OF FOURTH STREET
285	Present AADT	285
2018	Year of Count	2018
1.1	Projection Factor	1.1
314	Projected Traffic	314
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	0.1 * 1615228.3 / 60 * 25 * 1.15	\$77,396
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2904 * 48.4 / 15 * 25	\$23,426
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 39859.48 / 60 * 25	\$1,661
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$77,396 + \$23,426 + \$1,661	\$102,483

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-629-020

Original		Current
TENSTRIKE	Municipality	TENSTRIKE
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
0.02 MILE WEST OF FOURTH STREET TO TH 71	Termini	0.02 MILE WEST OF FOURTH STREET TO TH 71
28	Present AADT	28
2018	Year of Count	2018
1.1	Projection Factor	1.1
31	Projected Traffic	31
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
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	0.05 * 921437.49 / 60 * 25 * 1.1	\$21,116
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.05 * 2112 * 48.4 / 20 * 25	\$6,389
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.05 * 15202.93 / 60 * 25	\$317
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$21,116 + \$6,389 + \$317	\$27,822

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-629-030

Original		Current
TENSTRIKE	Municipality	TENSTRIKE
1.16	Segment Length	1.16
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 71 TO NORTH LIMITS OF TENSTRIKE	Termini	TH 71 TO NORTH LIMITS OF TENSTRIKE
290	Present AADT	290
2018	Year of Count	2018
1.1	Projection Factor	1.1
319	Projected Traffic	319
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.16 * 921437.49 / 60 * 25 * 1.1	\$489,898
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.16 * 2112 * 48.4 / 20 * 25	\$148,220
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.16 * 15202.93 / 60 * 25	\$7,348
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$489,898 + \$148,220 + \$7,348	\$645,466

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-629-040

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2.3	Segment Length	2.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NORTH LIMITS TENSTRIKE TO CSAH 23	Termini	NORTH LIMITS TENSTRIKE TO CSAH 23
290	Present AADT	290
2018	Year of Count	2018
1.1	Projection Factor	1.1
319	Projected Traffic	319
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 921437.49 / 60 * 25 * 1.1	\$971,349
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.3 * 2112 * 48.4 / 20 * 25	\$293,885
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.3 * 15202.93 / 60 * 25	\$14,569
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$971,349 + \$293,885 + \$14,569	\$1,279,803

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-630-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.4	Segment Length	3.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 31 TO BIBLE CAMP	Termini	CSAH 31 TO BIBLE CAMP
325	Present AADT	325
2018	Year of Count	2018
1.1	Projection Factor	1.1
358	Projected Traffic	358
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-630-017 RC&OL	Comments	2016 SAP 004-630-017 RC&OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93793	Structure Number	93793
2.17	Milepoint	2.17
1987	Year Built	1987
BLACKDUCK RIVER	Feature Crossed	BLACKDUCK RIVER
	Type of Service	
1	Number of Barrels	1
14	Culvert Width	14
10	Culvert Height	10
140	Culvert Length	140
98.99989386	Area of Waterway Opening	98.99989386
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	3.4 * 921437.49 / 60 * 25 * 1.1	\$1,435,907
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.4 * 2112 * 48.4 / 20 * 25	\$434,438
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.4 * 15202.93 / 60 * 25	\$21,537
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	140 * 98.99989386 * 18.01 / 100 * 25 * 1.15	\$71,765
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,435,907 + \$434,438 + \$21,537 + \$71,765	\$1,963,647

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-630-011

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.9	Segment Length	0.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
BLACKDUCK BIBLE CAMP TO S LINE BELTRAMI CO PARK	Termini	BLACKDUCK BIBLE CAMP TO S LINE BELTRAMI CO PARK
670	Present AADT	670
2018	Year of Count	2018
1.1	Projection Factor	1.1
737	Projected Traffic	737
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-630-017 RC&OL	Comments	2016 SAP 004-630-017 RC&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	0.9 * 921437.49 / 60 * 25 * 1.1	\$380,093
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.9 * 2112 * 48.4 / 20 * 25	\$114,998
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.9 * 15202.93 / 60 * 25	\$5,701
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$380,093 + \$114,998 + \$5,701	\$500,792

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-630-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.1	Segment Length	1.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S L BELT PARK TO W L BLACKDUCK	Termini	S L BELT PARK TO W L BLACKDUCK
1900	Present AADT	1900
2018	Year of Count	2018
1.1	Projection Factor	1.1
2090	Projected Traffic	2090
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-630-017 RC&OL	Comments	2016 SAP 004-630-017 RC&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	1.1 * 976421.84 / 60 * 25 * 1.1	\$492,279
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.1 * 2376 * 48.4 / 20 * 25	\$158,123
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.1 * 115284.28 / 60 * 25	\$52,839
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$492,279 + \$158,123 + \$52,839	\$703,241

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-630-029

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
0.19	Segment Length	0.19
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM BLACKDUCK TO0.19 MI E	Termini	W LIM BLACKDUCK TO0.19 MI E
1900	Present AADT	1900
2018	Year of Count	2018
1.1	Projection Factor	1.1
2090	Projected Traffic	2090
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-630-017 RC&OL	Comments	2016 SAP 004-630-017 RC&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	0.19 * 976421.84 / 60 * 25 * 1.1	\$85,030
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.19 * 2376 * 48.4 / 20 * 25	\$27,312
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.19 * 115284.28 / 60 * 25	\$9,127
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$85,030 + \$27,312 + \$9,127	\$121,469

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-630-030

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
0.19	Segment Length	0.19
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.19 MI E LIM BLACKDUCK TO 0.38 MI E	Termini	0.19 MI E LIM BLACKDUCK TO 0.38 MI E
1900	Present AADT	1900
2018	Year of Count	2018
1.1	Projection Factor	1.1
2090	Projected Traffic	2090
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-630-017 RC&OL	Comments	2016 SAP 004-630-017 RC&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	0.19 * 976421.84 / 60 * 25 * 1.1	\$85,030
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.19 * 2376 * 48.4 / 20 * 25	\$27,312
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.19 * 115284.28 / 60 * 25	\$9,127
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$85,030 + \$27,312 + \$9,127	\$121,469

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-630-031

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
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
0.38 MI E OF W L BLACKDUCK TO 1 1/2 BLKS W OF MAIN	Termini	0.38 MI E OF W L BLACKDUCK TO 1 1/2 BLKS W OF MAIN
1950	Present AADT	1950
2018	Year of Count	2018
1.1	Projection Factor	1.1
2145	Projected Traffic	2145
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-630-017 RC&OL W/ C&G, STORM SEWER R&R	Comments	2016 SAP 004-630-017 RC&OL W/ C&G, STORM SEWER R&R
	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 * 1615228.3 / 60 * 25 * 1.15	\$92,876
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.12 * 2904 * 48.4 / 15 * 25	\$28,111
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.12 * 39859.48 / 60 * 25	\$1,993
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$92,876 + \$28,111 + \$1,993	\$122,980

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-630-040

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
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
1.5 BLKS W OF MAIN TO CSAH 47	Termini	1.5 BLKS W OF MAIN TO CSAH 47
1950	Present AADT	1950
2018	Year of Count	2018
1.1	Projection Factor	1.1
2145	Projected Traffic	2145
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-630-017 RC&OL W/ C&G, STORM SEWER R&R	Comments	2016 SAP 004-630-017 RC&OL W/ C&G, STORM SEWER R&R
	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 * 1615228.3 / 60 * 25 * 1.15	\$85,136
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.11 * 2904 * 48.4 / 15 * 25	\$25,768
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.11 * 39859.48 / 60 * 25	\$1,827
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$85,136 + \$25,768 + \$1,827	\$112,731

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-630-050**

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
0.21	Segment Length	0.21
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 47 TO THIRD ST	Termini	CSAH 47 TO THIRD ST
1750	Present AADT	1750
2018	Year of Count	2018
1.1	Projection Factor	1.1
1925	Projected Traffic	1925
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-630-017 RC&OL W/ C&G, STORM SEWER R&R	Comments	2016 SAP 004-630-017 RC&OL W/ C&G, STORM SEWER R&R
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.21 * 1615228.3 / 60 * 25 * 1.15	\$162,532
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.21 * 2904 * 48.4 / 15 * 25	\$49,194
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.21 * 39859.48 / 60 * 25	\$3,488
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$162,532 + \$49,194 + \$3,488	\$215,214

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-630-051

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
0.08	Segment Length	0.08
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
THIRD ST TO FOURTH ST	Termini	THIRD ST TO FOURTH ST
1000	Present AADT	1000
2018	Year of Count	2018
1.1	Projection Factor	1.1
1100	Projected Traffic	1100
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-630-017 RC&OL W/ C&G, STORM SEWER R&R	Comments	2016 SAP 004-630-017 RC&OL W/ C&G, STORM SEWER R&R
	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 * 1615228.3 / 60 * 25 * 1.15	\$61,917
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2904 * 48.4 / 15 * 25	\$18,740
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 39859.48 / 60 * 25	\$1,329
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$61,917 + \$18,740 + \$1,329	\$81,986

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-630-060

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
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
FOURTH ST TO .10 MI W OF E LIM BLACKDUCK	Termini	FOURTH ST TO .10 MI W OF E LIM BLACKDUCK
1000	Present AADT	1000
2018	Year of Count	2018
1.1	Projection Factor	1.1
1100	Projected Traffic	1100
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-630-017 RC&OL W/ C&G, STORM SEWER R&R	Comments	2016 SAP 004-630-017 RC&OL W/ C&G, STORM SEWER R&R
	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 * 921437.49 / 60 * 25 * 1.1	\$67,572
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.16 * 2112 * 48.4 / 20 * 25	\$20,444
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.16 * 15202.93 / 60 * 25	\$1,014
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$67,572 + \$20,444 + \$1,014	\$89,030

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-630-070**

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
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
0.10 MI W OF E LIM BLACKDUCK TO E LIM BLACKDUCK	Termini	0.10 MI W OF E LIM BLACKDUCK TO E LIM BLACKDUCK
1000	Present AADT	1000
2018	Year of Count	2018
1.1	Projection Factor	1.1
1100	Projected Traffic	1100
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-630-017 RC&OL	Comments	2016 SAP 004-630-017 RC&OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
88124	Structure Number	88124
6.5	Milepoint	6.5
1952	Year Built	1952
COBURN CREEK	Feature Crossed	COBURN CREEK
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
60	Culvert Length	60
70.99976079	Area of Waterway Opening	70.99976079
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	0.1 * 921437.49 / 60 * 25 * 1.1	\$42,233
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 48.4 / 20 * 25	\$12,778
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 15202.93 / 60 * 25	\$633
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 70.99976079 * 18.01 / 100 * 25 * 1.15	\$22,058

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$42,233 + \$12,778 + \$633 + \$22,058	\$77,702
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-630-073

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM BLACKDUCK TO SW LIM BLACKDUCK (OUTSIDE)	Termini	E LIM BLACKDUCK TO SW LIM BLACKDUCK (OUTSIDE)
1000	Present AADT	1000
2018	Year of Count	2018
1.1	Projection Factor	1.1
1100	Projected Traffic	1100
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 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
	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 * 921437.49 / 60 * 25 * 1.1	\$84,465
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 48.4 / 20 * 25	\$25,555
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 15202.93 / 60 * 25	\$1,267
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$84,465 + \$25,555 + \$1,267	\$111,287

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-630-075

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
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 BLACKDUCK TO E LIM BLACKDUCK (INSIDE)	Termini	W LIM BLACKDUCK TO E LIM BLACKDUCK (INSIDE)
1000	Present AADT	1000
2018	Year of Count	2018
1.1	Projection Factor	1.1
1100	Projected Traffic	1100
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 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
	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 * 921437.49 / 60 * 25 * 1.1	\$42,233
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 48.4 / 20 * 25	\$12,778
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 15202.93 / 60 * 25	\$633
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$42,233 + \$12,778 + \$633	\$55,644

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-630-080

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.3	Segment Length	5.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM BLACKDUCK TO E CO LINE	Termini	E LIM BLACKDUCK TO E CO LINE
1000	Present AADT	1000
2018	Year of Count	2018
1.1	Projection Factor	1.1
1100	Projected Traffic	1100
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 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
	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	5.3 * 921437.49 / 60 * 25 * 1.1	\$2,238,325
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.3 * 2112 * 48.4 / 20 * 25	\$677,213
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.3 * 15202.93 / 60 * 25	\$33,573
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,238,325 + \$677,213 + \$33,573	\$2,949,111

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

BELTRAMI

Segment Nbr : 004-631-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.7	Segment Length	1.66
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 71 TO 100 FT NE JCT CO RD 300	Termini	TH 71 TO HINES ROAD NE
355	Present AADT	355
2018	Year of Count	2018
1.1	Projection Factor	1.1
391	Projected Traffic	391
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1982	Latest Year SA funds	1982
0	Number of Signal Legs	0
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
	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	1.66 * 921437.49 / 60 * 25 * 1.1	\$701,060
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.66 * 2112 * 48.4 / 20 * 25	\$212,108
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.66 * 15202.93 / 60 * 25	\$10,515
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$701,060 + \$212,108 + \$10,515	\$923,683

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

BELTRAMI

Segment Nbr : 004-631-011

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.16
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
100 FT NE JCT C R 300 TO TH 71	Termini	HINES ROAD NE TO TH 71
355	Present AADT	355
2018	Year of Count	2018
1.1	Projection Factor	1.1
391	Projected Traffic	391
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
THTB-NOT ELIGIBLE FOR TB FUNDS	Special Message Code	THTB-NOT ELIGIBLE FOR TB FUNDS
	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 * 921437.49 / 60 * 25 * 1.1	\$67,572
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.16 * 2112 * 48.4 / 20 * 25	\$20,444
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.16 * 15202.93 / 60 * 25	\$1,014
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$67,572 + \$20,444 + \$1,014	\$89,030

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-631-012

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
TH 71 TO CSAH 30	Termini	TH 71 TO CSAH 30
355	Present AADT	355
2018	Year of Count	2018
1.1	Projection Factor	1.1
391	Projected Traffic	391
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 921437.49 / 60 * 25 * 1.1	\$1,858,232
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.4 * 2112 * 48.4 / 20 * 25	\$562,214
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.4 * 15202.93 / 60 * 25	\$27,872
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,858,232 + \$562,214 + \$27,872	\$2,448,318

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-631-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.2	Segment Length	1.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 30 TO CSAH 32	Termini	CSAH 30 TO CSAH 32
170	Present AADT	170
2018	Year of Count	2018
1.1	Projection Factor	1.1
187	Projected Traffic	187
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.2 * 921437.49 / 60 * 25 * 1.1	\$506,791
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.2 * 2112 * 48.4 / 20 * 25	\$153,331
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.2 * 15202.93 / 60 * 25	\$7,601
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$506,791 + \$153,331 + \$7,601	\$667,723

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-632-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.1	Segment Length	3.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W CO LINE TO CSAH 5	Termini	W CO LINE TO CSAH 5
165	Present AADT	165
2018	Year of Count	2018
1.1	Projection Factor	1.1
182	Projected Traffic	182
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
97570	Structure Number	97570
2.35	Milepoint	2.35
1993	Year Built	1993
SANDY RIVER	Feature Crossed	SANDY RIVER
	Type of Service	
1	Number of Barrels	1
14	Culvert Width	14
10	Culvert Height	10
58	Culvert Length	58
98.99989386	Area of Waterway Opening	98.99989386
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	3.1 * 921437.49 / 60 * 25 * 1.1	\$1,309,209
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.1 * 2112 * 48.4 / 20 * 25	\$396,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.1 * 15202.93 / 60 * 25	\$19,637
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	58 * 98.99989386 * 18.01 / 100 * 25 * 1.15	\$29,731
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,309,209 + \$396,106 + \$19,637 + \$29,731	\$1,754,683

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	BELTRAMI	Segment Nbr : 004-632-020
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.1	Segment Length	4.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 5 TO W SIDE DELWATER LAKE	Termini	CSAH 5 TO W SIDE DELWATER LAKE
340	Present AADT	340
2018	Year of Count	2018
1.1	Projection Factor	1.1
374	Projected Traffic	374
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	
97325	Structure Number	97325
4.71	Milepoint	4.71
1991	Year Built	1991
SANDY RIVER	Feature Crossed	SANDY RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
7	Culvert Height	7
84	Culvert Length	84
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
97326	Structure Number	97326
5.1	Milepoint	5.1
1991	Year Built	1991
SANDY RIVER	Feature Crossed	SANDY RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
68	Culvert Length	68
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	4.1 * 921437.49 / 60 * 25 * 1.1	\$1,731,535
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.1 * 2112 * 48.4 / 20 * 25	\$523,882
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.1 * 15202.93 / 60 * 25	\$25,972
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	84 * 65.99992924 * 18.01 / 100 * 25 * 1.15	\$28,706
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	68 * 51.00043459 * 18.01 / 100 * 25 * 1.15	\$17,957
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$1,731,535 + \$523,882 + \$25,972 + \$28,706 + \$17,957	\$2,328,052

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-632-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.2	Segment Length	3.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W SIDE DELWATER LAKE TO OLD TH 89	Termini	W SIDE DELWATER LAKE TO OLD TH 89
340	Present AADT	340
2018	Year of Count	2018
1.1	Projection Factor	1.1
374	Projected Traffic	374
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	3.2 * 921437.49 / 60 * 25 * 1.1	\$1,351,442
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.2 * 2112 * 48.4 / 20 * 25	\$408,883
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.2 * 15202.93 / 60 * 25	\$20,271
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,351,442 + \$408,883 + \$20,271	\$1,780,596

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-632-040

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
OLD TH 89 TO TH 89	Termini	OLD TH 89 TO TH 89
340	Present AADT	340
2018	Year of Count	2018
1.1	Projection Factor	1.1
374	Projected Traffic	374
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1988	Latest Year SA funds	1988
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.3 * 921437.49 / 60 * 25 * 1.1	\$126,698
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 48.4 / 20 * 25	\$38,333
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 15202.93 / 60 * 25	\$1,900
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$126,698 + \$38,333 + \$1,900	\$166,931

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-632-050

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8.8	Segment Length	8.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 89 TO CSAH 15	Termini	TH 89 TO CSAH 15
450	Present AADT	450
2018	Year of Count	2018
1.1	Projection Factor	1.1
495	Projected Traffic	495
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
97518	Structure Number	97518
16.72	Milepoint	16.72
1993	Year Built	1993
MUD RIVER	Feature Crossed	MUD RIVER
	Type of Service	
1	Number of Barrels	1
14	Culvert Width	14
10	Culvert Height	10
76	Culvert Length	76
98.99989386	Area of Waterway Opening	98.99989386
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	8.8 * 921437.49 / 60 * 25 * 1.1	\$3,716,465
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8.8 * 2112 * 48.4 / 20 * 25	\$1,124,429
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8.8 * 15202.93 / 60 * 25	\$55,744
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	76 * 98.99989386 * 18.01 / 100 * 25 * 1.15	\$38,958
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$3,716,465 + \$1,124,429 + \$55,744 + \$38,958	\$4,935,596

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-632-060

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.9	Segment Length	5.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 15 TO CSAH 23	Termini	CSAH 15 TO CSAH 23
395	Present AADT	395
2018	Year of Count	2018
1.1	Projection Factor	1.1
435	Projected Traffic	435
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
97540	Structure Number	97540
24.81	Milepoint	24.81
1993	Year Built	1993
DARRIGANS CREEK	Feature Crossed	DARRIGANS CREEK
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
7	Culvert Height	7
70	Culvert Length	70
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.9 * 921437.49 / 60 * 25 * 1.1	\$2,491,721
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.9 * 2112 * 48.4 / 20 * 25	\$753,878
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.9 * 15202.93 / 60 * 25	\$37,374
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	70 * 65.99992924 * 18.01 / 100 * 25 * 1.15	\$23,922
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,491,721 + \$753,878 + \$37,374 + \$23,922	\$3,306,895

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-632-070

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
CSAH 23 TO 0.80 MILES EAST	Termini	CSAH 23 TO 0.80 MILES EAST
395	Present AADT	395
2018	Year of Count	2018
1.1	Projection Factor	1.1
435	Projected Traffic	435
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.8 * 921437.49 / 60 * 25 * 1.1	\$337,860
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2112 * 48.4 / 20 * 25	\$102,221
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 15202.93 / 60 * 25	\$5,068
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$337,860 + \$102,221 + \$5,068	\$445,149

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-632-071

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
0.80 MILES EAST CSAH 23 TO 0.90 MILES EAST CSAH 23	Termini	0.80 MILES EAST CSAH 23 TO 0.90 MILES EAST CSAH 23
395	Present AADT	395
2018	Year of Count	2018
1.1	Projection Factor	1.1
435	Projected Traffic	435
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
94163	Structure Number	94163
27.3	Milepoint	27.3
1989	Year Built	1989
O'BRIEN CREEK	Feature Crossed	O'BRIEN CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
14	Culvert Width	14
8	Culvert Height	8
116	Culvert Length	116
81.00050028	Area of Waterway Opening	81.00050028
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.1 * 921437.49 / 60 * 25 * 1.1	\$42,233
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 48.4 / 20 * 25	\$12,778
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 15202.93 / 60 * 25	\$633
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	116 * 81.00050028 * 18.01 / 100 * 25 * 1.15	\$48,652

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$42,233 + \$12,778 + \$633 + \$48,652	\$104,296
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-632-072

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
0.90 MILES EAST CSAH 23 TO C.R. 309	Termini	0.90 MILES EAST CSAH 23 TO C.R. 309
395	Present AADT	395
2018	Year of Count	2018
1.1	Projection Factor	1.1
435	Projected Traffic	435
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.1 * 921437.49 / 60 * 25 * 1.1	\$464,558
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.1 * 2112 * 48.4 / 20 * 25	\$140,554
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.1 * 15202.93 / 60 * 25	\$6,968
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$464,558 + \$140,554 + \$6,968	\$612,080

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-632-080

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 309 TO CSAH 31	Termini	CO RD 309 TO CSAH 31
395	Present AADT	395
2018	Year of Count	2018
1.1	Projection Factor	1.1
435	Projected Traffic	435
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 921437.49 / 60 * 25 * 1.1	\$422,326
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 48.4 / 20 * 25	\$127,776
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 15202.93 / 60 * 25	\$6,335
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$422,326 + \$127,776 + \$6,335	\$556,437

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-632-081

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.6	Segment Length	2.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 31 TO 2.6 MI E	Termini	CSAH 31 TO 2.6 MI E
395	Present AADT	395
2018	Year of Count	2018
1.1	Projection Factor	1.1
435	Projected Traffic	435
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-632-025 RC&OL	Comments	2016 SAP 004-632-025 RC&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	2.6 * 921437.49 / 60 * 25 * 1.1	\$1,098,046
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.6 * 2112 * 48.4 / 20 * 25	\$332,218
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.6 * 15202.93 / 60 * 25	\$16,470
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,098,046 + \$332,218 + \$16,470	\$1,446,734

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-632-082

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
2.6 MI E CSAH 31 TO 2.7 MI E CSAH 31 N	Termini	2.6 MI E CSAH 31 TO 2.7 MI E CSAH 31 N
395	Present AADT	395
2018	Year of Count	2018
1.1	Projection Factor	1.1
435	Projected Traffic	435
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-632-025 RC&OL	Comments	2016 SAP 004-632-025 RC&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 * 921437.49 / 60 * 25 * 1.1	\$42,233
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 48.4 / 20 * 25	\$12,778
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 15202.93 / 60 * 25	\$633
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$42,233 + \$12,778 + \$633	\$55,644

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-632-083

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
2.7 MI E CSAH 31 TO CSAH 37	Termini	2.7 MI E CSAH 31 TO CSAH 37
395	Present AADT	395
2018	Year of Count	2018
1.1	Projection Factor	1.1
435	Projected Traffic	435
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-632-025 RC&OL	Comments	2016 SAP 004-632-025 RC&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	0.3 * 921437.49 / 60 * 25 * 1.1	\$126,698
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 48.4 / 20 * 25	\$38,333
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 15202.93 / 60 * 25	\$1,900
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$126,698 + \$38,333 + \$1,900	\$166,931

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-632-090

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 37 TO TH 72	Termini	CSAH 37 TO TH 72
395	Present AADT	395
2018	Year of Count	2018
1.1	Projection Factor	1.1
435	Projected Traffic	435
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 004-632-025 RC&OL	Comments	2016 SAP 004-632-025 RC&OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93698	Structure Number	93698
32.25	Milepoint	32.25
1984	Year Built	1984
BLACKDUCK RIVER	Feature Crossed	BLACKDUCK RIVER
	Type of Service	
1	Number of Barrels	1
14	Culvert Width	14
8	Culvert Height	8
90	Culvert Length	90
81.00050028	Area of Waterway Opening	81.00050028
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 921437.49 / 60 * 25 * 1.1	\$844,651
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 48.4 / 20 * 25	\$255,552
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 15202.93 / 60 * 25	\$12,669
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	90 * 81.00050028 * 18.01 / 100 * 25 * 1.15	\$37,747
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$844,651 + \$255,552 + \$12,669 + \$37,747	\$1,150,619

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-633-010

Original	Current
Unassigned/Unknown	Unassigned/Unknown
4.5	4.5
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
CSAH 8 TO 4.5 MI NO	CSAH 8 TO 4.5 MI NO
1400	1400
2018	2018
1.1	1.1
1540	1540
RURAL	RURAL
3 - RURAL : 1500 - 6999	3 (RURAL : 1500 - 6999)
2014	2014
0	0
No Special Message	No Special Message
2014 SAP 004-633-007 RECONST CSAH8 TO 2M N.	2014 SAP 004-633-007 RECONST CSAH8 TO 2M N.
	Interchange Override
	Segment Override

Bridge Information

Status: Original

Original	Current
04519	04519
0.44	0.44
1995	1995
MISSISSIPPI RIVER	MISSISSIPPI RIVER
	Type of Service
	Number of Spans
167.6	167.6
43.3	43.3
100%	100%
	Comments
2 (150-999,999)	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	4.5 * 976421.84 / 60 * 25 * 1.1	\$2,013,870
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.5 * 2376 * 48.4 / 20 * 25	\$646,866
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.5 * 115284.28 / 60 * 25	\$216,158
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	167.6 * 43.3 * 141 / 80 * 25 * 1.15	\$367,730
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$2,013,870 + \$646,866 + \$216,158 + \$367,730	\$3,244,624

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-633-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.4	Segment Length	1.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
4.5 MI NO CSAH 8 TO CSAH 12.	Termini	4.5 MI NO CSAH 8 TO CSAH 12.
350	Present AADT	350
2018	Year of Count	2018
1.1	Projection Factor	1.1
385	Projected Traffic	385
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	1.4 * 921437.49 / 60 * 25 * 1.1	\$591,256
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.4 * 2112 * 48.4 / 20 * 25	\$178,886
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.4 * 15202.93 / 60 * 25	\$8,868
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$591,256 + \$178,886 + \$8,868	\$779,010

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-634-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 23 TO CSAH 36	Termini	CSAH 23 TO CSAH 36
220	Present AADT	220
2018	Year of Count	2018
1.1	Projection Factor	1.1
242	Projected Traffic	242
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1983	Latest Year SA funds	1983
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 921437.49 / 60 * 25 * 1.1	\$2,533,953
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 48.4 / 20 * 25	\$766,656
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 15202.93 / 60 * 25	\$38,007
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,533,953 + \$766,656 + \$38,007	\$3,338,616

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-635-010

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
TH 71 TO CSAH 30	Termini	TH 71 TO CSAH 30
305	Present AADT	305
2018	Year of Count	2018
1.1	Projection Factor	1.1
336	Projected Traffic	336
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
GRADED 2008, SAP 4-635-001	Comments	GRADED 2008, SAP 4-635-001
SURFACED 2009, SAP 4-635-002		SURFACED 2009, SAP 4-635-002
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 921437.49 / 60 * 25 * 1.1	\$844,651
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 48.4 / 20 * 25	\$255,552
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 15202.93 / 60 * 25	\$12,669
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$844,651 + \$255,552 + \$12,669	\$1,112,872

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-636-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.2	Segment Length	4.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 1 TO 0.2 MI S OF CSAH 38	Termini	TH 1 TO 0.2 MI S OF CSAH 38
530	Present AADT	530
2018	Year of Count	2018
1.1	Projection Factor	1.1
583	Projected Traffic	583
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
1279	Structure Number	1279
2.125	Milepoint	2.125
1938	Year Built	1938
NORTH CORMORANT RIVER	Feature Crossed	NORTH CORMORANT RIVER
	Type of Service	
	Number of Spans	
33.3	Bridge Length	33.3
29.5	Bridge Width	29.5
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.2 * 921437.49 / 60 * 25 * 1.1	\$1,773,767
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.2 * 2112 * 48.4 / 20 * 25	\$536,659
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.2 * 15202.93 / 60 * 25	\$26,605
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	33.3 * 29.5 * 173 / 80 * 25 * 1.15	\$61,075
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,773,767 + \$536,659 + \$26,605 + \$61,075	\$2,398,106

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-636-011

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.20 MILES S. CSAH 38 TO 0.20 MILES E. CSAH 38	Termini	0.20 MILES S. CSAH 38 TO 0.20 MILES E. CSAH 38
530	Present AADT	530
2018	Year of Count	2018
1.1	Projection Factor	1.1
583	Projected Traffic	583
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 921437.49 / 60 * 25 * 1.1	\$168,930
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2112 * 48.4 / 20 * 25	\$51,110
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 15202.93 / 60 * 25	\$2,534
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$168,930 + \$51,110 + \$2,534	\$222,574

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-636-012

Original	Current
Unassigned/Unknown	Unassigned/Unknown
3.7	3.7
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
0.20 E. OF CSAH 38 TO 0.20 MILES W. OF W. LIMITS OF KELLIHER	0.20 E. OF CSAH 38 TO 0.20 MILES W. OF W. LIMITS OF KELLIHER
530	530
2018	2018
1.1	1.1
583	583
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
1989	1989
0	0
No Special Message	No Special Message
	Comments
	Interchange Override
	Segment Override

Bridge Information

Status: Original

Original	Current
1252	1252
5.199	5.199
1938	1938
S BR BATTLE RIVER	S BR BATTLE RIVER
	Type of Service
	Number of Spans
31.5	31.5
29.5	29.5
100%	100%
	Comments
1 (0-149)	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.7 * 921437.49 / 60 * 25 * 1.1	\$1,562,604
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.7 * 2112 * 48.4 / 20 * 25	\$472,771
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.7 * 15202.93 / 60 * 25	\$23,438
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	31.5 * 29.5 * 173 / 80 * 25 * 1.15	\$57,773
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,562,604 + \$472,771 + \$23,438 + \$57,773	\$2,116,586

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-636-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.2 MI W OF W LIM KELLIHER TO W L KELLIHER	Termini	0.2 MI W OF W LIM KELLIHER TO W L KELLIHER
490	Present AADT	490
2018	Year of Count	2018
1.1	Projection Factor	1.1
539	Projected Traffic	539
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
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	0.2 * 921437.49 / 60 * 25 * 1.1	\$84,465
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 48.4 / 20 * 25	\$25,555
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 15202.93 / 60 * 25	\$1,267
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$84,465 + \$25,555 + \$1,267	\$111,287

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-636-030

Original		Current
KELLIHER	Municipality	KELLIHER
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
W L KELLIHER TO 0.14 MI E	Termini	W L KELLIHER TO 0.14 MI E
490	Present AADT	490
2018	Year of Count	2018
1.1	Projection Factor	1.1
539	Projected Traffic	539
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 - PRIOR TO 1965	Special Message Code	THTB - PRIOR TO 1965
2017 SAP 004-636-012	Comments	2017 SAP 004-636-012
URBAN/RURAL RECONST		URBAN/RURAL 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	0.14 * 921437.49 / 60 * 25 * 1.1	\$59,126
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.14 * 2112 * 48.4 / 20 * 25	\$17,889
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.14 * 15202.93 / 60 * 25	\$887
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$59,126 + \$17,889 + \$887	\$77,902

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-636-031

Original		Current
KELLIHER	Municipality	KELLIHER
0.44	Segment Length	0.44
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.14 MI E OF W LIM TO TH 72 IN KELLIHER	Termini	0.14 MI E OF W LIM TO TH 72 IN KELLIHER
490	Present AADT	490
2018	Year of Count	2018
1.1	Projection Factor	1.1
539	Projected Traffic	539
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 - PRIOR TO 1965	Special Message Code	THTB - PRIOR TO 1965
2017 SAP 004-636-012 URBAN/RURAL RECONST	Comments	2017 SAP 004-636-012 URBAN/RURAL 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	0.44 * 921437.49 / 60 * 25 * 1.1	\$185,823
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.44 * 2112 * 48.4 / 20 * 25	\$56,221
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.44 * 15202.93 / 60 * 25	\$2,787
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$185,823 + \$56,221 + \$2,787	\$244,831

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-636-040

Original		Current
KELLIHER	Municipality	KELLIHER
0.14	Segment Length	0.14
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 72 TO 0.14 MI E	Termini	TH 72 TO 0.14 MI E
475	Present AADT	475
2018	Year of Count	2018
1.1	Projection Factor	1.1
523	Projected Traffic	523
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.14 * 1615228.3 / 60 * 25 * 1.15	\$108,355
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.14 * 2904 * 48.4 / 15 * 25	\$32,796
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.14 * 39859.48 / 60 * 25	\$2,325
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$108,355 + \$32,796 + \$2,325	\$143,476

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-636-050

Original		Current
KELLIHER	Municipality	KELLIHER
0.82	Segment Length	0.82
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.14 MI E TH 72 TO E LIM KELLIHER	Termini	0.14 MI E TH 72 TO E LIM KELLIHER
250	Present AADT	250
2018	Year of Count	2018
1.1	Projection Factor	1.1
275	Projected Traffic	275
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.82 * 921437.49 / 60 * 25 * 1.1	\$346,307
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.82 * 2112 * 48.4 / 20 * 25	\$104,776
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.82 * 15202.93 / 60 * 25	\$5,194
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$346,307 + \$104,776 + \$5,194	\$456,277

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-636-060

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
E LIM KELLIHER TO CO LINE	Termini	E LIM KELLIHER TO CO LINE
250	Present AADT	250
2018	Year of Count	2018
1.1	Projection Factor	1.1
275	Projected Traffic	275
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 921437.49 / 60 * 25 * 1.1	\$211,163
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 48.4 / 20 * 25	\$63,888
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 15202.93 / 60 * 25	\$3,167
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$211,163 + \$63,888 + \$3,167	\$278,218

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-637-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
6.4	Segment Length	6.4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 32 TO 6.4 MI NO	Termini	CSAH 32 TO 6.4 MI NO
80	Present AADT	80
2018	Year of Count	2018
1.1	Projection Factor	1.1
88	Projected Traffic	88
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1977	Latest Year SA funds	1977
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.4 * 460718.75 / 60 * 25 * 1.1	\$1,351,442
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.4 * 546 * 10.75 / 2 * 25	\$469,560
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.4 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$1,351,442 + \$469,560 + \$0	\$1,821,002

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :		BELTRAMI
		Segment Nbr : 004-637-020
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
6.4 MI N CSAH 32 TO TH 1	Termini	6.4 MI N CSAH 32 TO TH 1
55	Present AADT	55
2018	Year of Count	2018
1.1	Projection Factor	1.1
61	Projected Traffic	61
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1977	Latest Year SA funds	1977
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
USED A PROJECTION FACTOR OF 2.2 TO MAKE CONTINUITY WITH SEGMENT 010	Comments	USED A PROJECTION FACTOR OF 2.2 TO MAKE CONTINUITY WITH SEGMENT 010
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
04J04	Structure Number	04J04
6.068	Milepoint	6.068
2001	Year Built	2001
S Cormorant River	Feature Crossed	S Cormorant River
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
	Culvert Width	
	Culvert Height	
84	Culvert Length	84
240.00052552	Area of Waterway Opening	240.00052552
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
95224	Structure Number	95224
7.168	Milepoint	7.168
1975	Year Built	1975
PRAIRIE CREEK	Feature Crossed	PRAIRIE CREEK
	Type of Service	
1	Number of Barrels	1
14	Culvert Width	14
10	Culvert Height	10
72	Culvert Length	72
98.99989386	Area of Waterway Opening	98.99989386
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$2 * 460718.75 / 60 * 25 * 1.1$	\$422,326
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$2 * 546 * 10.75 / 2 * 25$	\$146,738
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$2 * 0 / 60 * 25$	\$0
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$84 * 240.00052552 * 18.01 / 100 * 25 * 1.15$	\$104,386
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$72 * 98.99989386 * 18.01 / 100 * 25 * 1.15$	\$36,908
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert	$\$422,326 + \$146,738 + \$0 + \$104,386 + \$36,908$	\$710,358

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-638-005

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
JCT CSAH 23 TO CO RD 113	Termini	JCT CSAH 23 TO CO RD 113
75	Present AADT	75
2018	Year of Count	2018
1.1	Projection Factor	1.1
83	Projected Traffic	83
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 * 460718.75 / 60 * 25 * 1.1	\$485,674
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.3 * 546 * 10.75 / 2 * 25	\$168,748
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.3 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$485,674 + \$168,748 + \$0	\$654,422

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-638-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.9	Segment Length	4.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO. RD. 113 TO 0.20 MI W OF36	Termini	CO. RD. 113 TO 0.20 MI W OF36
75	Present AADT	75
2018	Year of Count	2018
1.1	Projection Factor	1.1
83	Projected Traffic	83
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
7199	Structure Number	7199
6.99	Milepoint	6.99
1957	Year Built	1957
S BR BATTLE RIVER	Feature Crossed	S BR BATTLE RIVER
	Type of Service	
	Number of Spans	
31	Bridge Length	31
28.5	Bridge Width	28.5
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.9 * 460718.75 / 60 * 25 * 1.1	\$1,034,698
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.9 * 546 * 10.75 / 2 * 25	\$359,507
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.9 * 0 / 60 * 25	\$0
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	31 * 28.5 * 173 / 80 * 25 * 1.15	\$54,929
Total Segment Cost	Construction + Preservation + ROW + Bridge	\$1,034,698 + \$359,507 + \$0 + \$54,929	\$1,449,134

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-638-011

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.20 MILE W. OF CSAH 36 TO CSAH 36	Termini	0.20 MILE W. OF CSAH 36 TO CSAH 36
75	Present AADT	75
2018	Year of Count	2018
1.1	Projection Factor	1.1
83	Projected Traffic	83
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.2 * 460718.75 / 60 * 25 * 1.1$	\$42,233
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.2 * 546 * 10.75 / 2 * 25$	\$14,674
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.2 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	\$42,233 + \$14,674 + \$0	\$56,907

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-639-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.2	Segment Length	3.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO CO LINE TO MISS RIVER	Termini	SO CO LINE TO MISS RIVER
510	Present AADT	510
2018	Year of Count	2018
1.1	Projection Factor	1.1
561	Projected Traffic	561
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
GRADED 2009, SP 4-639-008	Comments	GRADED 2009, SP 4-639-008
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
7198	Structure Number	7198
3.11	Milepoint	3.11
1959	Year Built	1959
MISSISSIPPI RIVER	Feature Crossed	MISSISSIPPI RIVER
	Type of Service	
	Number of Spans	
183	Bridge Length	183
32.6	Bridge Width	32.6
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.2 * 921437.49 / 60 * 25 * 1.1	\$1,351,442
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.2 * 2112 * 48.4 / 20 * 25	\$408,883
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.2 * 15202.93 / 60 * 25	\$20,271
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	183 * 32.6 * 141 / 80 * 25 * 1.15	\$302,298
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,351,442 + \$408,883 + \$20,271 + \$302,298	\$2,082,894

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-639-020

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
MISSISSIPPI RIVER TO CSAH 20	Termini	MISSISSIPPI RIVER TO CSAH 20
570	Present AADT	570
2018	Year of Count	2018
1.1	Projection Factor	1.1
627	Projected Traffic	627
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
GRADED 2009, SP 4-639-008	Comments	GRADED 2009, SP 4-639-008
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
1729	Structure Number	1729
5.72	Milepoint	5.72
1938	Year Built	1938
KITCHI CREEK	Feature Crossed	KITCHI CREEK
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
6	Culvert Height	6
45	Culvert Length	45
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 * 921437.49 / 60 * 25 * 1.1	\$1,689,302
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 48.4 / 20 * 25	\$511,104
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 15202.93 / 60 * 25	\$25,338
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	45 * 60.00013138 * 18.01 / 100 * 25 * 1.15	\$13,980
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,689,302 + \$511,104 + \$25,338 + \$13,980	\$2,239,724

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-639-021

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.2	Segment Length	5.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 20 TO 2.0 MI SO OF CSAH 22	Termini	CSAH 20 TO 2.0 MI SO OF CSAH 22
475	Present AADT	475
2018	Year of Count	2018
1.1	Projection Factor	1.1
523	Projected Traffic	523
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 004-030-007 SEALCOAT	Comments	2017 SAP 004-030-007 SEALCOAT
2012 - SAP 004-639-009 G&B BIT		2012 - SAP 004-639-009 G&B BIT
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.2 * 921437.49 / 60 * 25 * 1.1	\$2,196,093
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.2 * 2112 * 48.4 / 20 * 25	\$664,435
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.2 * 15202.93 / 60 * 25	\$32,940
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,196,093 + \$664,435 + \$32,940	\$2,893,468

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	BELTRAMI	Segment Nbr : 004-639-030
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
8.4	Segment Length	8.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.0 MI S CSAH 22 TO CO ROAD 328.	Termini	2.0 MI S CSAH 22 TO CO ROAD 328.
475	Present AADT	475
2018	Year of Count	2018
1.1	Projection Factor	1.1
523	Projected Traffic	523
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 SP 004-639-015 NAT ROUTE RECONST	Comments	2017 SP 004-639-015 NAT ROUTE RECONST
2014 SAP 004-639-010 NAT ROUTE RECONST		2014 SAP 004-639-010 NAT ROUTE RECONST
2012 SAP 004-639-013 SA FUNDING SMALL PORTION CULVERT 04J11		2012 SAP 004-639-013 SA FUNDING SMALL PORTION CULVERT 04J11
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
04J01	Structure Number	04J01
16.84	Milepoint	16.84
2004	Year Built	2004
N BR TURTLE RIVER	Feature Crossed	N BR TURTLE RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
6	Culvert Height	6
92	Culvert Length	92
60.00013138	Area of Waterway Opening	60.00013138
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
04J02	Structure Number	04J02
15.41	Milepoint	15.41
1999	Year Built	1999
N BR TURTLE RIVER	Feature Crossed	N BR TURTLE RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
8	Culvert Height	8
70	Culvert Length	70
80.00053397	Area of Waterway Opening	80.00053397
100%	Shared Structure	100%
	Comments	

1

Culvert Group Code

1

Culvert Information

Status: Original

Original**Current**

04J11	Structure Number	04J11
14.44	Milepoint	14.44
2012	Year Built	2012
N BR TURTLE RIVER	Feature Crossed	N BR TURTLE RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
68	Culvert Length	68
192	Area of Waterway Opening	192
100%	Shared Structure	100%
2012 SAP 004-639-013 SA FUNDING SMALL PORTION	Comments	2012 SAP 004-639-013 SA FUNDING SMALL PORTION
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	8.4 * 921437.49 / 60 * 25 * 1.1	\$3,547,534
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8.4 * 2112 * 48.4 / 20 * 25	\$1,073,318
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8.4 * 15202.93 / 60 * 25	\$53,210
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	92 * 60.00013138 * 18.01 / 100 * 25 * 1.15	\$28,582
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	70 * 80.00053397 * 18.01 / 100 * 25 * 1.15	\$28,996
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	68 * 192 * 18.01 / 100 * 25 * 1.15	\$67,602
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert	\$0 + \$3,547,534 + \$1,073,318 + \$53,210 + \$28,582 + \$28,996 + \$67,602	\$4,799,242

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-639-031

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
CO ROAD 328 TO SO LIM BLACKDUCK.	Termini	CO ROAD 328 TO SO LIM BLACKDUCK.
770	Present AADT	770
2018	Year of Count	2018
1.1	Projection Factor	1.1
847	Projected Traffic	847
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 SP 004-639-015 NAT ROUTE RECONST	Comments	2017 SP 004-639-015 NAT ROUTE 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	2 * 921437.49 / 60 * 25 * 1.1	\$844,651
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 48.4 / 20 * 25	\$255,552
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 15202.93 / 60 * 25	\$12,669
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$844,651 + \$255,552 + \$12,669	\$1,112,872

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-639-040

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
0.76	Segment Length	0.76
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO LIM BLACKDUCK TO CSAH 47	Termini	SO LIM BLACKDUCK TO CSAH 47
770	Present AADT	770
2018	Year of Count	2018
1.1	Projection Factor	1.1
847	Projected Traffic	847
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 SP 004-639-015 NAT ROUTE RECONST	Comments	2017 SP 004-639-015 NAT ROUTE 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	0.76 * 921437.49 / 60 * 25 * 1.1	\$320,967
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.76 * 2112 * 48.4 / 20 * 25	\$97,110
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.76 * 15202.93 / 60 * 25	\$4,814
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$320,967 + \$97,110 + \$4,814	\$422,891

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : New

County Name : **BELTRAMI** Segment Nbr : 004-640-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.25	Segment Length	1.25
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
From CSAH 9 to 1.25 mi east	Termini	From CSAH 9 TO 1.25 MI EAST
650	Present AADT	650
1990	Year of Count	1990
1.2	Projection Factor	1.2
780	Projected Traffic	780
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1900	Latest Year SA funds	1900
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
Exchange with Eckles/Northern Twp	Comments	Exchange with Eckles/Northern Twp
	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	1.25 * 921437.49 / 60 * 25 * 1.1	\$527,907
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.25 * 2112 * 48.4 / 20 * 25	\$159,720
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.25 * 15202.93 / 60 * 25	\$7,918
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$527,907 + \$159,720 + \$7,918	\$695,545

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : New

County Name : BELTRAMI Segment Nbr : 004-640-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.18	Segment Length	1.18
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
From 1.25 mi east of CSAH 9 to US 71	Termini	From 1.25 mi east of CSAH 9 to US 71
650	Present AADT	650
1990	Year of Count	1990
1.2	Projection Factor	1.2
780	Projected Traffic	780
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1900	Latest Year SA funds	1900
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
Exchange with Eckles/Northern Twp	Comments	Exchange with Eckles/Northern Twp
	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	1.18 * 921437.49 / 60 * 25 * 1.1	\$498,344
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.18 * 2112 * 48.4 / 20 * 25	\$150,776
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.18 * 15202.93 / 60 * 25	\$7,475
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$498,344 + \$150,776 + \$7,475	\$656,595

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-641-010

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 71 TO 2.0 MI N CO RD 304	Termini	TH 71 TO 2.0 MI N CO RD 304
120	Present AADT	120
2018	Year of Count	2018
1.1	Projection Factor	1.1
132	Projected Traffic	132
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.4 * 460718.75 / 60 * 25 * 1.1	\$717,953
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.4 * 546 * 10.75 / 2 * 25	\$249,454
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.4 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$717,953 + \$249,454 + \$0	\$967,407

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-641-020

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
2.0 MI N CO RD 304 TO TH 72	Termini	2.0 MI N CO RD 304 TO TH 72
90	Present AADT	90
2018	Year of Count	2018
1.1	Projection Factor	1.1
99	Projected Traffic	99
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
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
93544	Structure Number	93544
3.513	Milepoint	3.513
1981	Year Built	1981
SOUTH CORMORANT RIVER	Feature Crossed	SOUTH CORMORANT RIVER
	Type of Service	
2	Number of Barrels	2
14	Culvert Width	14
8	Culvert Height	8
50	Culvert Length	50
162.99989048	Area of Waterway Opening	162.99989048
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
93545	Structure Number	93545
7.21	Milepoint	7.21
1981	Year Built	1981
SUCKER CREEK	Feature Crossed	SUCKER CREEK
	Type of Service	
2	Number of Barrels	2
9	Culvert Width	9
5	Culvert Height	5
58	Culvert Length	58
68.99982817	Area of Waterway Opening	68.99982817
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$4 * 460718.75 / 60 * 25 * 1.1$	\$844,651
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$4 * 546 * 10.75 / 2 * 25$	\$293,475
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$4 * 0 / 60 * 25$	\$0
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$50 * 162.99989048 * 18.01 / 100 * 25 * 1.15$	\$42,200
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$58 * 68.99982817 * 18.01 / 100 * 25 * 1.15$	\$20,722
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert	$\$844,651 + \$293,475 + \$0 + \$42,200 + \$20,722$	\$1,201,048

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-642-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.04	Segment Length	1.04
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 71 to CSAH 21	Termini	TH 71 to CSAH 21
1350	Present AADT	1350
2018	Year of Count	2018
1.1	Projection Factor	1.1
1485	Projected Traffic	1485
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
	Special Message Code	
new seg 2016	Comments	new seg 2016
	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	1.04 * 921437.49 / 60 * 25 * 1.1	\$439,219
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.04 * 2112 * 48.4 / 20 * 25	\$132,887
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.04 * 15202.93 / 60 * 25	\$6,588
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$439,219 + \$132,887 + \$6,588	\$578,694

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-643-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.9	Segment Length	0.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 71 TO SO LIM TENSTRIKE	Termini	TH 71 TO SO LIM TENSTRIKE
130	Present AADT	130
2018	Year of Count	2018
1.1	Projection Factor	1.1
143	Projected Traffic	143
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1982	Latest Year SA funds	1982
0	Number of Signal Legs	0
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
	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	0.9 * 921437.49 / 60 * 25 * 1.1	\$380,093
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.9 * 2112 * 48.4 / 20 * 25	\$114,998
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.9 * 15202.93 / 60 * 25	\$5,701
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$380,093 + \$114,998 + \$5,701	\$500,792

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-643-020

Original		Current
TENSTRIKE	Municipality	TENSTRIKE
0.57	Segment Length	0.57
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO LIM TENSTRIKE TO CSAH 91	Termini	SO LIM TENSTRIKE TO CSAH 91
130	Present AADT	130
2018	Year of Count	2018
1.1	Projection Factor	1.1
143	Projected Traffic	143
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1982	Latest Year SA funds	1982
0	Number of Signal Legs	0
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
	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	0.57 * 921437.49 / 60 * 25 * 1.1	\$240,726
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.57 * 2112 * 48.4 / 20 * 25	\$72,832
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.57 * 15202.93 / 60 * 25	\$3,611
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$240,726 + \$72,832 + \$3,611	\$317,169

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : BELTRAMI Segment Nbr : 004-643-030

Original		Current
TENSTRIKE	Municipality	TENSTRIKE
0.07	Segment Length	0.08
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 91 (MAIN ST)TO CSAH 29 (DUDRY AVE)	Termini	CSAH 91 (MAIN ST)TO CSAH 29 (DUDRY AVE)
130	Present AADT	130
2018	Year of Count	2018
1.1	Projection Factor	1.1
143	Projected Traffic	143
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1982	Latest Year SA funds	1982
0	Number of Signal Legs	0
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
PROPOSED STORM SEWER WOULD TAKE SURFACE WATER TO AN OFFFSITE OUTLET	Comments	PROPOSED STORM SEWER WOULD TAKE SURFACE WATER TO AN OFFFSITE OUTLET
	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 * 1615228.3 / 60 * 25 * 1.15	\$61,917
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2904 * 48.4 / 15 * 25	\$18,740
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 39859.48 / 60 * 25	\$1,329
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$61,917 + \$18,740 + \$1,329	\$81,986

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

BELTRAMI

Segment Nbr : 004-643-040

Original

Current

TENSTRIKE	Municipality	TENSTRIKE
0.36	Segment Length	0.35
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 29 (DUDRY AVE)TO TH 71	Termini	CSAH 29 (DUDRY AVE)TO TH 71
130	Present AADT	130
2018	Year of Count	2018
1.1	Projection Factor	1.1
143	Projected Traffic	143
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1982	Latest Year SA funds	1982
0	Number of Signal Legs	0
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.35 * 921437.49 / 60 * 25 * 1.1	\$147,814
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.35 * 2112 * 48.4 / 20 * 25	\$44,722
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.35 * 15202.93 / 60 * 25	\$2,217
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$147,814 + \$44,722 + \$2,217	\$194,753

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-644-010

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
WEST COUNTY LINE TO 3.4 M EAST	Termini	WEST COUNTY LINE TO 3.4 M EAST
50	Present AADT	50
2018	Year of Count	2018
1.1	Projection Factor	1.1
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$3.4 * 460718.75 / 60 * 25 * 1.1$	\$717,953
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$3.4 * 546 * 10.75 / 2 * 25$	\$249,454
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$3.4 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	\$717,953 + \$249,454 + \$0	\$967,407

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-644-020

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
3.4 M E W CO LINE TO 6.8 M EAST	Termini	3.4 M E W CO LINE TO 6.8 M EAST
50	Present AADT	50
2018	Year of Count	2018
1.1	Projection Factor	1.1
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	3.4 * 460718.75 / 60 * 25 * 1.1	\$717,953
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.4 * 546 * 10.75 / 2 * 25	\$249,454
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.4 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$717,953 + \$249,454 + \$0	\$967,407

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-644-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.2	Segment Length	3.2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
6.8 E W C L TO 0.2 M E C RD 702	Termini	6.8 E W C L TO 0.2 M E C RD 702
50	Present AADT	50
2018	Year of Count	2018
1.1	Projection Factor	1.1
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	3.2 * 460718.75 / 60 * 25 * 1.1	\$675,721
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.2 * 546 * 10.75 / 2 * 25	\$234,780
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.2 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$675,721 + \$234,780 + \$0	\$910,501

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-644-040

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.8	Segment Length	3.8
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.2 M E CO RD 702 TO CO RD 704	Termini	0.2 M E CO RD 702 TO CO RD 704
50	Present AADT	50
2018	Year of Count	2018
1.1	Projection Factor	1.1
55	Projected Traffic	55
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1966	Latest Year SA funds	1966
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	3.8 * 460718.75 / 60 * 25 * 1.1	\$802,418
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.8 * 546 * 10.75 / 2 * 25	\$278,801
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.8 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$802,418 + \$278,801 + \$0	\$1,081,219

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-644-050

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
COUNTY ROAD 704 TO TH 89	Termini	COUNTY ROAD 704 TO TH 89
55	Present AADT	55
2018	Year of Count	2018
1.1	Projection Factor	1.1
61	Projected Traffic	61
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 * 460718.75 / 60 * 25 * 1.1	\$422,326
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$422,326 + \$146,738 + \$0	\$569,064

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-646-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.5	Segment Length	1.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 71 TO 1.5 MI W	Termini	TH 71 TO 1.5 MI W
1100	Present AADT	1100
2018	Year of Count	2018
1.1	Projection Factor	1.1
1210	Projected Traffic	1210
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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	1.5 * 921437.49 / 60 * 25 * 1.1	\$633,488
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.5 * 2112 * 48.4 / 20 * 25	\$191,664
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.5 * 15202.93 / 60 * 25	\$9,502
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$633,488 + \$191,664 + \$9,502	\$834,654

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

BELTRAMI

Segment Nbr : 004-647-015

Original

Current

BLACKDUCK	Municipality	BLACKDUCK
0.37	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 71 TO 0.04 MI S OF RR AVE	Termini	TH 71 TO SCENIC HIGHWAY SE (CSAH 39)
1100	Present AADT	1300
2018	Year of Count	2018
1.1	Projection Factor	1.1
1210	Projected Traffic	1210
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
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
	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 * 921437.49 / 60 * 25 * 1.1	\$29,563
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2112 * 48.4 / 20 * 25	\$8,944
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 15202.93 / 60 * 25	\$443
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$29,563 + \$8,944 + \$443	\$38,950

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

BELTRAMI

Segment Nbr : 004-647-021

Original

Current

BLACKDUCK	Municipality	BLACKDUCK
0.04	Segment Length	0.34
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.04 MI SO RR AVE TO RR AVE	Termini	SCENC HIGHWAY SE (CSAH 39) TO RR AVE
1300	Present AADT	1100
2018	Year of Count	2018
1.1	Projection Factor	1.1
1430	Projected Traffic	1431
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
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
	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 * 921437.49 / 60 * 25 * 1.1	\$143,591
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.34 * 2112 * 48.4 / 20 * 25	\$43,444
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.34 * 15202.93 / 60 * 25	\$2,154
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$143,591 + \$43,444 + \$2,154	\$189,189

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : BELTRAMI Segment Nbr : 004-647-030

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
0.1	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
RR AVE TO 0.02 MI N OF CSAH 30 (SUMMIT AVE)	Termini	RR AVE TO CSAH 30 (SUMMIT AVE)
1300	Present AADT	1300
2018	Year of Count	2018
1.1	Projection Factor	1.1
1430	Projected Traffic	1430
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
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
	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 * 921437.49 / 60 * 25 * 1.1	\$29,563
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2112 * 48.4 / 20 * 25	\$8,944
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 15202.93 / 60 * 25	\$443
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$29,563 + \$8,944 + \$443	\$38,950

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

BELTRAMI

Segment Nbr : 004-647-031

Original

Current

FUNKLEY	Municipality	BLACKDUCK
0.11	Segment Length	0.15
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.02 MI N OF CSAH 30 (SUMMIT AVE) TO NORTHERN AVE	Termini	CSAH 30 (SUMMIT AVE) TO NORTHERN AVE
1100	Present AADT	1100
2018	Year of Count	2018
1.1	Projection Factor	1.1
1210	Projected Traffic	1210
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1994	Latest Year SA funds	1994
0	Number of Signal Legs	0
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
	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	0.15 * 1615228.3 / 60 * 25 * 1.15	\$116,095
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.15 * 2904 * 48.4 / 15 * 25	\$35,138
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.15 * 39859.48 / 60 * 25	\$2,491
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$116,095 + \$35,138 + \$2,491	\$153,724

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

BELTRAMI

Segment Nbr : 004-647-040

Original

Current

BLACKDUCK	Municipality	BLACKDUCK
0.13	Segment Length	0.12
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NORTHERN AVE TO TH 71	Termini	NORTHERN AVE TO TH 71
1100	Present AADT	1100
2018	Year of Count	2018
1.1	Projection Factor	1.1
1210	Projected Traffic	1210
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
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 004-647-005 RECONST	Comments	2016 SAP 004-647-005 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	0.12 * 1615228.3 / 60 * 25 * 1.15	\$92,876
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.12 * 2904 * 48.4 / 15 * 25	\$28,111
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.12 * 39859.48 / 60 * 25	\$1,993
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$92,876 + \$28,111 + \$1,993	\$122,980

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : BELTRAMI Segment Nbr : 004-647-050

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
0.23	Segment Length	0.33
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 71 TO 0.1 MI SO OF NO LIM BLACKDUCK	Termini	TH 71 TO NO LIM BLACKDUCK
1100	Present AADT	1100
2018	Year of Count	2018
1.1	Projection Factor	1.1
1210	Projected Traffic	1210
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
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 004-647-005 RECONST	Comments	2016 SAP 004-647-005 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	0.33 * 1615228.3 / 60 * 25 * 1.15	\$255,408
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.33 * 2904 * 48.4 / 15 * 25	\$77,304
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.33 * 39859.48 / 60 * 25	\$5,481
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$255,408 + \$77,304 + \$5,481	\$338,193

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Deleted

County Name :

BELTRAMI

Segment Nbr : 004-647-060

Original

Current

BLACKDUCK	Municipality	BLACKDUCK
0.1	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.1 MI SO TO NO LIM BLACKDUCK	Termini	NO LIM BLACKDUCK TO TH 72
570	Present AADT	570
2018	Year of Count	2018
1.1	Projection Factor	1.1
627	Projected Traffic	627
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 004-647-005 RECONST	Comments	2016 SAP 004-647-005 RECONST
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Deleted Segment	If status is Deleted, result is zero		\$0
Total Segment Cost	Deleted Segment	\$0	\$0

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-647-070

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NO LIM BLACKDUCK TO TH 72	Termini	NO LIM BLACKDUCK TO TH 72
570	Present AADT	570
2018	Year of Count	2018
1.1	Projection Factor	1.1
627	Projected Traffic	627
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 004-647-005 RECONST	Comments	2016 SAP 004-647-005 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	0.4 * 921437.49 / 60 * 25 * 1.1	\$168,930
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2112 * 48.4 / 20 * 25	\$51,110
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 15202.93 / 60 * 25	\$2,534
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$168,930 + \$51,110 + \$2,534	\$222,574

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-648-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.5	Segment Length	1.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.5 MILES EAST TO 3.0 MILES EAST OF CSAH 7	Termini	1.5 MILES EAST TO 3.0 MILES EAST OF CSAH 7
235	Present AADT	235
2018	Year of Count	2018
1.1	Projection Factor	1.1
259	Projected Traffic	259
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 004-648-002 PHASE 2 2012 SAP 004-648-002 PHASE 1	Comments	2012 SAP 004-648-002 PHASE 2 2012 SAP 004-648-002 PHASE 1
	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 * 921437.49 / 60 * 25 * 1.1	\$633,488
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.5 * 2112 * 48.4 / 20 * 25	\$191,664
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.5 * 15202.93 / 60 * 25	\$9,502
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$633,488 + \$191,664 + \$9,502	\$834,654

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-650-002

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.23	Segment Length	0.23
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
4	Existing Surface Lanes	4
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
PAUL BUNYAN DR SE TO .23 MILES SE	Termini	PAUL BUNYAN DR SE TO .23 MILES SE
7300	Present AADT	7300
2018	Year of Count	2018
1.1	Projection Factor	1.1
8030	Projected Traffic	8030
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2010	Latest Year SA funds	2010
1	Number of Signal Legs	1
No Special Message	Special Message Code	No Special Message
ORDER 93490 TRADE W/BJI REVISED IS TO INCLUDE .23 MILES OF 4 LANE ROADWAY	Comments	ORDER 93490 TRADE W/BJI REVISED IS TO INCLUDE .23 MILES OF 4 LANE ROADWAY
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.23 * 1615228.3 / 60 * 25 * 1.15	\$178,012
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.23 * 2904 * 48.4 / 15 * 25	\$53,879
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.23 * 39859.48 / 60 * 25	\$3,820
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$38,281 + \$178,012 + \$53,879 + \$3,820	\$273,992

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-650-005

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.49	Segment Length	0.49
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
.23 MILES SE OF PAUL BUNYAN DR SE TO E CITY LIM BEMIDJI	Termini	.23 MILES SE OF PAUL BUNYAN DR SE TO E CITY LIM BEMIDJI
3850	Present AADT	3850
2018	Year of Count	2018
1.1	Projection Factor	1.1
4235	Projected Traffic	4235
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 SP 004-070-18 INTERSECTION WARNING INSTALL	Comments	2017 SP 004-070-18 INTERSECTION WARNING INSTALL
ORDER 93490 TRADE W/BJI REVISED IS TO INCLUDE .23 MILES OF 4 LANE ROADWAY		ORDER 93490 TRADE W/BJI REVISED IS TO INCLUDE .23 MILES OF 4 LANE ROADWAY
	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	0.49 * 1615228.3 / 60 * 25 * 1.15	\$379,242
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.49 * 2904 * 48.4 / 15 * 25	\$114,785
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.49 * 39859.48 / 60 * 25	\$8,138
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$379,242 + \$114,785 + \$8,138	\$502,165

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-650-010

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
E CITY LIM BEMIDJI TO 0.8 MI SE	Termini	E CITY LIM BEMIDJI TO 0.8 MI SE
4000	Present AADT	4000
2018	Year of Count	2018
1.1	Projection Factor	1.1
4400	Projected Traffic	4400
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
OVERLAY 2010, SAP 4-650-002	Comments	OVERLAY 2010, SAP 4-650-002
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.8 * 976421.84 / 60 * 25 * 1.1	\$358,021
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2376 * 48.4 / 20 * 25	\$114,998
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 115284.28 / 60 * 25	\$38,428
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$358,021 + \$114,998 + \$38,428	\$511,447

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-650-020

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
0.8 MI SE TO 1.2 MI SE OF E LIM BEMIDJI	Termini	0.8 MI SE TO 1.2 MI SE OF E LIM BEMIDJI
4000	Present AADT	4000
2018	Year of Count	2018
1.1	Projection Factor	1.1
4400	Projected Traffic	4400
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
THTB-RECONSTRUCTED WITH TB FUNDS	Special Message Code	THTB-RECONSTRUCTED WITH TB FUNDS
OVERLAY 2010, SAP 4-650-002	Comments	OVERLAY 2010, SAP 4-650-002
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.4 * 976421.84 / 60 * 25 * 1.1	\$179,011
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2376 * 48.4 / 20 * 25	\$57,499
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 115284.28 / 60 * 25	\$19,214
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$179,011 + \$57,499 + \$19,214	\$255,724

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-652-010**

Original		Current
BEMIDJI	Municipality	BEMIDJI
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
TH 71 TO MINNKOTA AVE	Termini	TH 71 TO MINNKOTA AVE
6500	Present AADT	6500
2018	Year of Count	2018
1.1	Projection Factor	1.1
7150	Projected Traffic	7150
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2013	Latest Year SA funds	2013
1	Number of Signal Legs	1
No Special Message	Special Message Code	No Special Message
2013 SAP 004-652-004 M&OL W/ SOME C&G	Comments	2013 SAP 004-652-004 M&OL W/ SOME C&G
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.1 * 1615228.3 / 60 * 25 * 1.15	\$77,396
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2904 * 48.4 / 15 * 25	\$23,426
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 39859.48 / 60 * 25	\$1,661
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$38,281 + \$77,396 + \$23,426 + \$1,661	\$140,764

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : **004-652-015**

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
MINNKOTA AVE TO E LIMS BEMIDJI	Termini	MINNKOTA AVE TO E LIMS BEMIDJI
6500	Present AADT	6500
2018	Year of Count	2018
1.1	Projection Factor	1.1
7150	Projected Traffic	7150
RURAL	Design Type	RURAL
4 - RURAL : 7000 - 999999	Design Group	4 (RURAL : 7000 - 999999)
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 SAP 004-652-004 M&OL W/ SOME C&G	Comments	2013 SAP 004-652-004 M&OL W/ SOME C&G
	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 * 2171784.07 / 60 * 25 * 1.1	\$398,160
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 3564 * 48.4 / 20 * 25	\$86,249
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 336946.71 / 60 * 25	\$56,158
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$398,160 + \$86,249 + \$56,158	\$540,567

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-652-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIMS TO W LIMS BEMIDJI (0.15 MI W OF CSAH 15)	Termini	E LIMS TO W LIMS BEMIDJI (0.15 MI W OF CSAH 15)
6500	Present AADT	6500
2018	Year of Count	2018
1.1	Projection Factor	1.1
7150	Projected Traffic	7150
RURAL	Design Type	RURAL
4 - RURAL : 7000 - 999999	Design Group	4 (RURAL : 7000 - 999999)
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 SAP 004-652-004 M&OL W/ SOME C&G	Comments	2013 SAP 004-652-004 M&OL W/ SOME C&G
	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 * 2171784.07 / 60 * 25 * 1.1	\$398,160
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 3564 * 48.4 / 20 * 25	\$86,249
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 336946.71 / 60 * 25	\$56,158
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$398,160 + \$86,249 + \$56,158	\$540,567

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-652-030

Original		Current
BEMIDJI	Municipality	BEMIDJI
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
W LIMS BEMIDJI (0.15 MI W OF CSAH 15) TO CSAH 15	Termini	W LIMS BEMIDJI (0.15 MI W OF CSAH 15) TO CSAH 15
6500	Present AADT	6500
2018	Year of Count	2018
1.1	Projection Factor	1.1
7150	Projected Traffic	7150
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2013	Latest Year SA funds	2013
1	Number of Signal Legs	1
No Special Message	Special Message Code	No Special Message
2013 SAP 004-652-004 M&OL W/ SOME C&G	Comments	2013 SAP 004-652-004 M&OL W/ SOME C&G
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.15 * 1615228.3 / 60 * 25 * 1.15	\$116,095
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.15 * 2904 * 48.4 / 15 * 25	\$35,138
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.15 * 39859.48 / 60 * 25	\$2,491
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$38,281 + \$116,095 + \$35,138 + \$2,491	\$192,005

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-652-040

Original		Current
BEMIDJI	Municipality	BEMIDJI
0.24	Segment Length	0.24
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 15 TO JCT TAMARACK AV NW (E LIMS BEMIDJI)	Termini	CSAH 15 TO JCT TAMARACK AV NW (E LIMS BEMIDJI)
3950	Present AADT	3950
2018	Year of Count	2018
1.1	Projection Factor	1.1
4345	Projected Traffic	4345
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2013	Latest Year SA funds	2013
1	Number of Signal Legs	1
No Special Message	Special Message Code	No Special Message
2013 SAP 004-652-004 M&OL W/ SOME C&G	Comments	2013 SAP 004-652-004 M&OL W/ SOME C&G
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.24 * 1615228.3 / 60 * 25 * 1.15	\$185,751
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.24 * 2904 * 48.4 / 15 * 25	\$56,221
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.24 * 39859.48 / 60 * 25	\$3,986
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$38,281 + \$185,751 + \$56,221 + \$3,986	\$284,239

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-652-050

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
(E LIMS BEMIDJI) TAMARACK AV NW TO CSAH 21	Termini	(E LIMS BEMIDJI) TAMARACK AV NW TO CSAH 21
3950	Present AADT	3950
2018	Year of Count	2018
1.1	Projection Factor	1.1
4345	Projected Traffic	4345
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 SAP 004-652-004 M&OL W/ SOME C&G	Comments	2013 SAP 004-652-004 M&OL W/ SOME C&G
	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 * 976421.84 / 60 * 25 * 1.1	\$89,505
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2376 * 48.4 / 20 * 25	\$28,750
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 115284.28 / 60 * 25	\$9,607
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$89,505 + \$28,750 + \$9,607	\$127,862

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **BELTRAMI** Segment Nbr : 004-654-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.1	Segment Length	2.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
EAST COUNTY LINE TO SOUTH COUNTY LINE (REVERSE STATIONING)	Termini	EAST COUNTY LINE TO SOUTH COUNTY LINE (REVERSE STATIONING)
120	Present AADT	120
2018	Year of Count	2018
1.1	Projection Factor	1.1
132	Projected Traffic	132
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
SB APPROVED MILEAGE SEGMENT	Special Message Code	SB APPROVED MILEAGE SEGMENT
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
97388	Structure Number	97388
2.257	Milepoint	2.257
1994	Year Built	1994
LYDICK CRK	Feature Crossed	LYDICK CRK
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
6	Culvert Height	6
66	Culvert Length	66
71.9997271	Area of Waterway Opening	71.9997271
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.1 * 921437.49 / 60 * 25 * 1.1	\$886,884
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.1 * 2112 * 48.4 / 20 * 25	\$268,330
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.1 * 15202.93 / 60 * 25	\$13,303
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	66 * 71.9997271 * 18.01 / 100 * 25 * 1.15	\$24,605

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$886,884 + \$268,330 + \$13,303 + \$24,605	\$1,193,122
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-655-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.9	Segment Length	5.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 39 TO CSAH 31	Termini	CSAH 39 TO CSAH 31
155	Present AADT	155
2018	Year of Count	2018
1.1	Projection Factor	1.1
171	Projected Traffic	171
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	5.9 * 921437.49 / 60 * 25 * 1.1	\$2,491,721
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.9 * 2112 * 48.4 / 20 * 25	\$753,878
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.9 * 15202.93 / 60 * 25	\$37,374
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,491,721 + \$753,878 + \$37,374	\$3,282,973

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-657-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.2	Segment Length	7.2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO JCT CSAH 21 TO NO JCT CSAH 21 & CSAH 20 TO CSAH 57	Termini	SO JCT CSAH 21 TO NO JCT CSAH 21 & CSAH 20 TO CSAH 57
540	Present AADT	540
2018	Year of Count	2018
1.1	Projection Factor	1.1
594	Projected Traffic	594
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1950	Latest Year SA funds	1950
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7.2 * 921437.49 / 60 * 25 * 1.1	\$3,040,744
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.2 * 2112 * 48.4 / 20 * 25	\$919,987
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.2 * 15202.93 / 60 * 25	\$45,609
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$3,040,744 + \$919,987 + \$45,609	\$4,006,340

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-657-020

Original		Current
TURTLE RIVER	Municipality	TURTLE RIVER
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
WEST C L TURTLE RIVER TO CSAH 21 NORTH	Termini	WEST C L TURTLE RIVER TO CSAH 21 NORTH
420	Present AADT	420
2018	Year of Count	2018
1.1	Projection Factor	1.1
462	Projected Traffic	462
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
ORDER NO. 94116	Comments	ORDER NO. 94116
	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 * 921437.49 / 60 * 25 * 1.1	\$12,670
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.03 * 2112 * 48.4 / 20 * 25	\$3,833
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.03 * 15202.93 / 60 * 25	\$190
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$12,670 + \$3,833 + \$190	\$16,693

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-657-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 71 TO WEST C L TURTLE RIVER	Termini	TH 71 TO WEST C L TURTLE RIVER
440	Present AADT	440
2018	Year of Count	2018
1.1	Projection Factor	1.1
484	Projected Traffic	484
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1990	Latest Year SA funds	1990
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
ORDER NO. 94116 THIS IS AT THE NORTH END OF 57	Comments	ORDER NO. 94116 THIS IS AT THE NORTH END OF 57
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 921437.49 / 60 * 25 * 1.1	\$84,465
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 48.4 / 20 * 25	\$25,555
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 15202.93 / 60 * 25	\$1,267
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$84,465 + \$25,555 + \$1,267	\$111,287

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-658-010

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
RES LINE @ BATTLE RIVER TO CSAH 23	Termini	RES LINE @ BATTLE RIVER TO CSAH 23
90	Present AADT	90
2018	Year of Count	2018
1.1	Projection Factor	1.1
99	Projected Traffic	99
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
	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
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$3 * 460718.75 / 60 * 25 * 1.1$	\$633,488
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 546 * 10.75 / 2 * 25$	\$220,106
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$3 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	\$633,488 + \$220,106 + \$0	\$853,594

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-659-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.8	Segment Length	0.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM CSAH 21 TO TH 71	Termini	FROM CSAH 21 TO TH 71
1550	Present AADT	1550
2018	Year of Count	2018
1.1	Projection Factor	1.1
1705	Projected Traffic	1705
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
1950	Latest Year SA funds	1950
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 * 976421.84 / 60 * 25 * 1.1	\$358,021
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2376 * 48.4 / 20 * 25	\$114,998
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 115284.28 / 60 * 25	\$38,428
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$358,021 + \$114,998 + \$38,428	\$511,447

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-690-010

Original		Current
SOLWAY	Municipality	SOLWAY
0.21	Segment Length	0.21
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 2 TO LAMMERS AVENUE SOLWAY	Termini	TH 2 TO LAMMERS AVENUE SOLWAY
95	Present AADT	95
2018	Year of Count	2018
1.1	Projection Factor	1.1
105	Projected Traffic	105
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.21 * 460718.75 / 60 * 25 * 1.1$	\$44,344
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.21 * 546 * 10.75 / 2 * 25$	\$15,407
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.21 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	\$44,344 + \$15,407 + \$0	\$59,751

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-691-010

Original		Current
TENSTRIKE	Municipality	TENSTRIKE
0.07	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
ON MAIN ST CSAH 43 TO 2ND ST	Termini	ON MAIN ST CSAH 43 TO 2ND ST
60	Present AADT	60
2018	Year of Count	2018
1.1	Projection Factor	1.1
66	Projected Traffic	66
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1976	Latest Year SA funds	1976
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 * 1615228.3 / 60 * 25 * 1.15	\$54,177
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2904 * 48.4 / 15 * 25	\$16,398
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 39859.48 / 60 * 25	\$1,163
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$54,177 + \$16,398 + \$1,163	\$71,738

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

BELTRAMI

Segment Nbr : 004-691-020

Original

Current

TENSTRIKE	Municipality	TENSTRIKE
0.14	Segment Length	0.14
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
ON 2ND ST - MAIN ST TO CSAH 43	Termini	ON 2ND ST - MAIN ST TO CSAH 43
60	Present AADT	60
2018	Year of Count	2018
1.1	Projection Factor	1.1
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.14 * 460718.75 / 60 * 25 * 1.1	\$29,563
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.14 * 546 * 10.75 / 2 * 25	\$10,272
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.14 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$29,563 + \$10,272 + \$0	\$39,835

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-692-010

Original		Current
BLACKDUCK	Municipality	BLACKDUCK
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
SUMMIT AVE TO TH 71	Termini	SUMMIT AVE TO TH 71
325	Present AADT	325
2018	Year of Count	2018
1.1	Projection Factor	1.1
358	Projected Traffic	358
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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	$Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost$	$0.3 * 1615228.3 / 60 * 25 * 1.15$	\$232,189
Preservation	$Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear$	$0.3 * 2904 * 48.4 / 15 * 25$	\$70,277
ROW	$Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear$	$0.3 * 39859.48 / 60 * 25$	\$4,982
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	$\$0 + \$232,189 + \$70,277 + \$4,982$	\$307,448

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-693-010

Original		Current
KELLIHER	Municipality	KELLIHER
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
MAIN ST TO TH 72 IN KELLIHER	Termini	MAIN ST TO TH 72 IN KELLIHER
105	Present AADT	105
2018	Year of Count	2018
1.1	Projection Factor	1.1
116	Projected Traffic	116
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 1615228.3 / 60 * 25 * 1.15	\$154,793
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2904 * 48.4 / 15 * 25	\$46,851
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 39859.48 / 60 * 25	\$3,322
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$154,793 + \$46,851 + \$3,322	\$204,966

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : BELTRAMI Segment Nbr : 004-694-010

Original		Current
KELLIHER	Municipality	KELLIHER
0.39	Segment Length	0.39
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 36 TO TH 72	Termini	CSAH 36 TO TH 72
175	Present AADT	175
2018	Year of Count	2018
1.1	Projection Factor	1.1
193	Projected Traffic	193
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.39 * 1615228.3 / 60 * 25 * 1.15	\$301,846
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.39 * 2904 * 48.4 / 15 * 25	\$91,360
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.39 * 39859.48 / 60 * 25	\$6,477
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$301,846 + \$91,360 + \$6,477	\$399,683