

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-602-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
6.3	Segment Length	6.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 7 TO CR 139	Termini	CSAH 7 TO CR 139
330	Present AADT	330
2016	Year of Count	2016
1.1	Projection Factor	1.1
363	Projected Traffic	363
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 068-030-004 Sealcoat	Comments	2017 SAP 068-030-004 Sealcoat
2014 SAP 068-602-038 M&OL		2014 SAP 068-602-038 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	6.3 * 622592.13 / 60 * 25 * 1.1	\$1,797,735
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.3 * 2112 * 47.95 / 20 * 25	\$797,504
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.3 * 8716.36 / 60 * 25	\$22,880
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,797,735 + \$797,504 + \$22,880	\$2,618,119

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-602-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CR 139 TO W LIM BADGER	Termini	CR 139 TO W LIM BADGER
330	Present AADT	330
2016	Year of Count	2016
1.1	Projection Factor	1.1
363	Projected Traffic	363
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 068-030-004 Sealcoat	Comments	2017 SAP 068-030-004 Sealcoat
2014 SAP 068-602-038 M&OL		2014 SAP 068-602-038 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 * 622592.13 / 60 * 25 * 1.1	\$285,355
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 47.95 / 20 * 25	\$126,588
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 8716.36 / 60 * 25	\$3,632
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$285,355 + \$126,588 + \$3,632	\$415,575

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-602-040

Original		Current
BADGER	Municipality	BADGER
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM BADGER TO 0.5 MI E	Termini	W LIM BADGER TO 0.5 MI E
330	Present AADT	330
2016	Year of Count	2016
1.1	Projection Factor	1.1
363	Projected Traffic	363
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 068-030-004 Sealcoat	Comments	2017 SAP 068-030-004 Sealcoat
2014 SAP 068-602-038 M&OL		2014 SAP 068-602-038 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 * 622592.13 / 60 * 25 * 1.1	\$142,677
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.95 / 20 * 25	\$63,294
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 8716.36 / 60 * 25	\$1,816
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$142,677 + \$63,294 + \$1,816	\$207,787

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	ROSEAU	Segment Nbr : 068-602-050
Original	Current	
BADGER	Municipality	BADGER
0.51	Segment Length	0.51
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.5 MI E OF W LIM TO E LIM BADGER	Termini	0.5 MI E OF W LIM TO E LIM BADGER
740	Present AADT	740
2016	Year of Count	2016
1.1	Projection Factor	1.1
814	Projected Traffic	814
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 068-030-004 Sealcoat 2014 SAP 068-602-038 M&OL	Comments	2017 SAP 068-030-004 Sealcoat 2014 SAP 068-602-038 M&OL
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
88314	Structure Number	88314
8.3	Milepoint	8.3
1960	Year Built	1960
BADGER CREEK	Feature Crossed	BADGER CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
11	Culvert Width	11
7	Culvert Height	7
72	Culvert Length	72
58.00019876	Area of Waterway Opening	58.00019876
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

RailRoadCrossing Information		Status: Original
Original	Current	
MINNESOTA NORTHERN RAILROAD, INC.	RailRoad Name	MINNESOTA NORTHERN RAILROAD, INC.
062370Y	USDOT Number	062370Y
0.1	Located at Milepoint	0.1
2	Mainline Tracks	2
SIGNS ONLY	Protection Type	SIGNS ONLY
1900	Last Year Protection Upgraded	1900
36	Crossing Length	36
2014	Last Year Surfaced	2014
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
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Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.51 * 622592.13 / 60 * 25 * 1.1	\$145,531
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.51 * 2112 * 47.95 / 20 * 25	\$64,560
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.51 * 8716.36 / 60 * 25	\$1,852
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	72 * 58.00019876 * 18.01 / 100 * 25 * 1.15	\$21,623
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	36 * 1750 / 25 * 25	\$63,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + RR Crossing Protection + RR Crossing Surface	\$0 + \$145,531 + \$64,560 + \$1,852 + \$21,623 + \$2,000 + \$63,000	\$298,566

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Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-602-060

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
E LIM BADGER TO CSAH 37	Termini	E LIM BADGER TO CSAH 37
495	Present AADT	495
2016	Year of Count	2016
1.1	Projection Factor	1.1
545	Projected Traffic	545
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 068-602-039	Comments	2012 SAP 068-602-039
SEALCOATING		SEALCOATING
RESURFACED UNDER PLAN #68-602-035		RESURFACED UNDER PLAN #68-602-035
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93629	Structure Number	93629
8.53	Milepoint	8.53
1958	Year Built	1958
STREAM	Feature Crossed	STREAM
	Type of Service	
2	Number of Barrels	2
6.08	Culvert Width	6.08
4.6	Culvert Height	4.6
68	Culvert Length	68
43.99959403	Area of Waterway Opening	43.99959403
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.2 * 622592.13 / 60 * 25 * 1.1	\$627,780
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.2 * 2112 * 47.95 / 20 * 25	\$278,494
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.2 * 8716.36 / 60 * 25	\$7,990

Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	68 * 43.99959403 * 18.01 / 100 * 25 * 1.15	\$15,492
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$627,780 + \$278,494 + \$7,990 + \$15,492	\$929,756

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-602-070

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
9	Segment Length	9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 37 TO TH 89	Termini	CSAH 37 TO TH 89
495	Present AADT	495
2016	Year of Count	2016
1.1	Projection Factor	1.1
545	Projected Traffic	545
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 068-602-045 OL	Comments	2017 SAP 068-602-045 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	9 * 622592.13 / 60 * 25 * 1.1	\$2,568,193
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	9 * 2112 * 47.95 / 20 * 25	\$1,139,292
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	9 * 8716.36 / 60 * 25	\$32,686
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,568,193 + \$1,139,292 + \$32,686	\$3,740,171

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-602-080

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.3	Segment Length	7.3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 89 TO CSAH 9	Termini	TH 89 TO CSAH 9
495	Present AADT	495
2016	Year of Count	2016
1.1	Projection Factor	1.1
545	Projected Traffic	545
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2013	Latest Year SA funds	2013
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 SP 068-602-042 SEALCOAT	Comments	2013 SP 068-602-042 SEALCOAT
REGRADED AND RESURFACED UNDER PLAN #SAP 68-602-034 (A PORTION) 2006		REGRADED AND RESURFACED UNDER PLAN #SAP 68-602-034 (A PORTION) 2006
REMAINING SURFACING UNDER PLAN		REMAINING SURFACING UNDER PLAN
SAP 68-602-37, 2007		SAP 68-602-37, 2007
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68537	Structure Number	68537
21.27	Milepoint	21.27
2006	Year Built	2006
S FK ROSEAU RIVER	Feature Crossed	S FK ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
80.9	Bridge Length	80.9
44	Bridge Width	44
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Bridge Information

Status: Original

Original		Current
68538	Structure Number	68538
22.15	Milepoint	22.15
2006	Year Built	2006
ROSEAU RIVER	Feature Crossed	ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
88	Bridge Length	88
43.25	Bridge Width	43.25
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	7.3 * 622592.13 / 60 * 25 * 1.1	\$2,083,090
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.3 * 2112 * 47.95 / 20 * 25	\$924,092
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.3 * 8716.36 / 60 * 25	\$26,512
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	80.9 * 44 * 173 / 80 * 25 * 1.15	\$221,307
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	88 * 43.25 * 173 / 80 * 25 * 1.15	\$236,626
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge	\$0 + \$2,083,090 + \$924,092 + \$26,512 + \$221,307 + \$236,626	\$3,491,627

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-602-090

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
CSAH 9 TO CSAH 13	Termini	CSAH 9 TO CSAH 13
325	Present AADT	325
2016	Year of Count	2016
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 068-602-044 OL	Comments	2016 SAP 068-602-044 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 * 622592.13 / 60 * 25 * 1.1	\$856,064
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.95 / 20 * 25	\$379,764
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 8716.36 / 60 * 25	\$10,895
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$856,064 + \$379,764 + \$10,895	\$1,246,723

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	ROSEAU	Segment Nbr : 068-602-100
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
10	Segment Length	10
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 13 TO CSAH 5	Termini	CSAH 13 TO CSAH 5
190	Present AADT	190
2016	Year of Count	2016
1.1	Projection Factor	1.1
209	Projected Traffic	209
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 068-602-046 M&OL	Comments	2016 SAP 068-602-046 M&OL
	Interchange Override	
	Segment Override	

Bridge Information		Status: Original
Original	Current	
68517	Structure Number	68517
34.39	Milepoint	34.39
1968	Year Built	1968
HAY CREEK	Feature Crossed	HAY CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
75.2	Bridge Length	75.2
32.2	Bridge Width	32.2
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Bridge Information		Status: Original
Original	Current	
68514	Structure Number	68514
40.59	Milepoint	40.59
1968	Year Built	1968
W Br. Warroad River	Feature Crossed	W Br. Warroad River
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
93.2	Bridge Length	93.2
32.2	Bridge Width	32.2
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information		Status: Original
Original	Current	
68J30	Structure Number	68J30
41.09	Milepoint	41.09
2005	Year Built	2005
W Br Clausner Creek	Feature Crossed	W Br Clausner Creek
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1

10	Culvert Width	10
6	Culvert Height	6
58	Culvert Length	58
60	Area of Waterway Opening	60
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	10 * 622592.13 / 60 * 25 * 1.1	\$2,853,547
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	10 * 2112 * 47.95 / 20 * 25	\$1,265,880
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	10 * 8716.36 / 60 * 25	\$36,318
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	75.2 * 32.2 * 173 / 80 * 25 * 1.15	\$150,545
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	93.2 * 32.2 * 173 / 80 * 25 * 1.15	\$186,580
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	58 * 60 * 18.01 / 100 * 25 * 1.15	\$18,019
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge + Culvert	\$0 + \$2,853,547 + \$1,265,880 + \$36,318 + \$150,545 + \$186,580 + \$18,019	\$4,510,889

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	ROSEAU	Segment Nbr : 068-602-110
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
9.9	Segment Length	9.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 5 TO CSAH 12	Termini	CSAH 5 TO CSAH 12
360	Present AADT	360
2016	Year of Count	2016
1.1	Projection Factor	1.1
396	Projected Traffic	396
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 068-602-046 OL	Comments	2018 SAP 068-602-046 OL
2014 SP 068-602-041 ARCH CULVERT REHAB		2014 SP 068-602-041 ARCH CULVERT REHAB
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
93292	Structure Number	93292
45.95	Milepoint	45.95
1977	Year Built	1977
E BR WARROAD RIVER	Feature Crossed	E BR WARROAD RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
14.083	Culvert Width	14.083
8.916	Culvert Height	8.916
65	Culvert Length	65
198	Area of Waterway Opening	198
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
93316	Structure Number	93316
45.63	Milepoint	45.63
1978	Year Built	1978
CO DITCH # 10	Feature Crossed	CO DITCH # 10
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
74	Culvert Length	74
66	Area of Waterway Opening	66
100%	Shared Structure	100%
2014 SP 068-602-041 ARCH CULVERT REHAB	Comments	2014 SP 068-602-041 ARCH CULVERT REHAB
1	Culvert Group Code	1

RailRoadCrossing Information	Status: Original
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Original		Current
CANADIAN NATIONAL RAILWAY	RailRoad Name	CANADIAN NATIONAL RAILWAY
312218G	USDOT Number	312218G
8.6	Located at Milepoint	8.6
2	Mainline Tracks	2
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1979	Last Year Protection Upgraded	1979
40	Crossing Length	40
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	$\text{TrafficSignalLegs} * \text{UnitCost} / \text{SignalLifeCycle} * \text{StatutoryNeedsYear}$	$0 * 61250 / 40 * 25$	\$0
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$9.9 * 622592.13 / 60 * 25 * 1.1$	\$2,825,012
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$9.9 * 2112 * 47.95 / 20 * 25$	\$1,253,221
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$9.9 * 8716.36 / 60 * 25$	\$35,955
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$65 * 198 * 18.01 / 100 * 25 * 1.15$	\$66,639
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$74 * 66 * 18.01 / 100 * 25 * 1.15$	\$25,289
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$350000 / 25 * 25$	\$350,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$40 * 1750 / 25 * 25$	\$70,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + RR Crossing Protection + RR Crossing Surface	$\$0 + \$2,825,012 + \$1,253,221 + \$35,955 + \$66,639 + \$25,289 + \$350,000 + \$70,000$	\$4,626,116

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-603-001

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S ROSEAU CO LINE TO 0.2 MI N	Termini	S ROSEAU CO LINE TO 0.2 MI N
100	Present AADT	100
2016	Year of Count	2016
1.1	Projection Factor	1.1
110	Projected Traffic	110
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	

Segment Cost Information

Computation Factor	Computation Formula	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 * 622592.13 / 60 * 25 * 1.1	\$57,071
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 47.95 / 20 * 25	\$25,318
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 8716.36 / 60 * 25	\$726
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$57,071 + \$25,318 + \$726	\$83,115

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-603-005

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.7	Segment Length	1.7
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.2 MI N OF S CO LINE TO CSAH 38	Termini	0.2 MI N OF S CO LINE TO CSAH 38
100	Present AADT	100
2016	Year of Count	2016
1.1	Projection Factor	1.1
110	Projected Traffic	110
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	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.7 * 622592.13 / 60 * 25 * 1.1	\$485,103
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.7 * 2112 * 47.95 / 20 * 25	\$215,200
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.7 * 8716.36 / 60 * 25	\$6,174
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$485,103 + \$215,200 + \$6,174	\$706,477

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-603-008

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.2	Segment Length	2.2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 38 TO CSAH 6	Termini	CSAH 38 TO CSAH 6
100	Present AADT	100
2016	Year of Count	2016
1.1	Projection Factor	1.1
110	Projected Traffic	110
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	

Segment Cost Information

Computation Factor	Computation 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 * 622592.13 / 60 * 25 * 1.1	\$627,780
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.2 * 2112 * 47.95 / 20 * 25	\$278,494
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.2 * 8716.36 / 60 * 25	\$7,990
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$627,780 + \$278,494 + \$7,990	\$914,264

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-603-010

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 6 TO S JCT CSAH 8	Termini	CSAH 6 TO S JCT CSAH 8
195	Present AADT	195
2016	Year of Count	2016
1.1	Projection Factor	1.1
215	Projected Traffic	215
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 SP 068-603-022 BIT. OVERLAY	Comments	2012 SP 068-603-022 BIT. OVERLAY
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.8 * 622592.13 / 60 * 25 * 1.1	\$513,639
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.8 * 2112 * 47.95 / 20 * 25	\$227,858
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.8 * 8716.36 / 60 * 25	\$6,537
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$513,639 + \$227,858 + \$6,537	\$748,034

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-603-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.1	Segment Length	7.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S JCT CSAH 8 TO CSAH 4	Termini	S JCT CSAH 8 TO CSAH 4
300	Present AADT	300
2016	Year of Count	2016
1.1	Projection Factor	1.1
330	Projected Traffic	330
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 SP 068-603-022 BIT. OVERLAY	Comments	2012 SP 068-603-022 BIT. OVERLAY
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68508	Structure Number	68508
9.99	Milepoint	9.99
1965	Year Built	1965
STATE DITCH # 91,LAT 4	Feature Crossed	STATE DITCH # 91,LAT 4
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
25.1	Bridge Length	25.1
31.5	Bridge Width	31.5
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Bridge Information

Status: Original

Original		Current
68509	Structure Number	68509
7.8	Milepoint	7.8
1965	Year Built	1965
State Ditch 91	Feature Crossed	State Ditch 91
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
25	Bridge Length	25
31.5	Bridge Width	31.5
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

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

Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7.1 * 622592.13 / 60 * 25 * 1.1	\$2,026,019
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.1 * 2112 * 47.95 / 20 * 25	\$898,775
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.1 * 8716.36 / 60 * 25	\$25,786
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	25.1 * 31.5 * 173 / 80 * 25 * 1.15	\$49,156
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	25 * 31.5 * 173 / 80 * 25 * 1.15	\$48,960
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge	\$0 + \$2,026,019 + \$898,775 + \$25,786 + \$49,156 + \$48,960	\$3,048,696

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-603-030

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
CSAH 4 TO S LIM BADGER	Termini	CSAH 4 TO S LIM BADGER
355	Present AADT	355
2016	Year of Count	2016
1.1	Projection Factor	1.1
391	Projected Traffic	391
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 068-603-024	Comments	2012 SAP 068-603-024
SEALCOATING		SEALCOATING
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93627	Structure Number	93627
13.3	Milepoint	13.3
1960	Year Built	1960
State Dt 91	Feature Crossed	State Dt 91
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
7.917	Culvert Width	7.917
5.583	Culvert Height	5.583
66	Culvert Length	66
70	Area of Waterway Opening	70
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
93630	Structure Number	93630
16.5	Milepoint	16.5
1960	Year Built	1960
State Dt 91	Feature Crossed	State Dt 91
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
7	Culvert Width	7
5.09	Culvert Height	5.09
66	Culvert Length	66
56	Area of Waterway Opening	56
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	5.3 * 622592.13 / 60 * 25 * 1.1	\$1,512,380
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.3 * 2112 * 47.95 / 20 * 25	\$670,916
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.3 * 8716.36 / 60 * 25	\$19,249
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	66 * 70 * 18.01 / 100 * 25 * 1.15	\$23,922
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	66 * 56 * 18.01 / 100 * 25 * 1.15	\$19,137
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$1,512,380 + \$670,916 + \$19,249 + \$23,922 + \$19,137	\$2,245,604

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-603-040

Original		Current
BADGER	Municipality	BADGER
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
S LIM BADGER TO CSAH 2	Termini	S LIM BADGER TO CSAH 2
355	Present AADT	355
2016	Year of Count	2016
1.1	Projection Factor	1.1
391	Projected Traffic	391
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 068-603-024 SEALCOATING	Comments	2012 SAP 068-603-024 SEALCOATING
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93628	Structure Number	93628
18.1	Milepoint	18.1
1960	Year Built	1960
County Ditch 5	Feature Crossed	County Ditch 5
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
8.167	Culvert Width	8.167
5.75	Culvert Height	5.75
70	Culvert Length	70
76	Area of Waterway Opening	76
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 622592.13 / 60 * 25 * 1.1	\$142,677
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.95 / 20 * 25	\$63,294
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 8716.36 / 60 * 25	\$1,816
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	70 * 76 * 18.01 / 100 * 25 * 1.15	\$27,546

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$142,677 + \$63,294 + \$1,816 + \$27,546	\$235,333
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-603-050

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
TH 11 TO CSAH 10	Termini	TH 11 TO CSAH 10
210	Present AADT	210
2016	Year of Count	2016
1.1	Projection Factor	1.1
231	Projected Traffic	231
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 068-030-004 Sealcoat	Comments	2017 SAP 068-030-004 Sealcoat
2014 SAP 068-603-025 M&OL OVERLAY		2014 SAP 068-603-025 M&OL OVERLAY
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68503	Structure Number	68503
26.5	Milepoint	26.5
1962	Year Built	1962
ROSEAU RIVER	Feature Crossed	ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
161.5	Bridge Length	161.5
26	Bridge Width	26
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Culvert Information

Status: Original

Original		Current
68J09	Structure Number	68J09
19.1	Milepoint	19.1
2000	Year Built	2000
State Ditch 95	Feature Crossed	State Ditch 95
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
5	Culvert Height	5
58	Culvert Length	58
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	7.8 * 622592.13 / 60 * 25 * 1.1	\$2,225,767
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.8 * 2112 * 47.95 / 20 * 25	\$987,386
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.8 * 8716.36 / 60 * 25	\$28,328
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	161.5 * 26 * 141 / 80 * 25 * 1.15	\$212,771
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	58 * 60.00013138 * 18.01 / 100 * 25 * 1.15	\$18,019
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	\$0 + \$2,225,767 + \$987,386 + \$28,328 + \$212,771 + \$18,019	\$3,472,271

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-603-055

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 10 TO CO RD 112	Termini	CSAH 10 TO CO RD 112
85	Present AADT	85
2016	Year of Count	2016
1.1	Projection Factor	1.1
94	Projected Traffic	94
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1998	Latest Year SA funds	1998
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 622592.13 / 60 * 25 * 1.1	\$285,355
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 47.95 / 20 * 25	\$126,588
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 8716.36 / 60 * 25	\$3,632
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$285,355 + \$126,588 + \$3,632	\$415,575

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-603-060

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.8	Segment Length	6.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 112 TO TH 89	Termini	CO RD 112 TO TH 89
85	Present AADT	85
2016	Year of Count	2016
1.1	Projection Factor	1.1
94	Projected Traffic	94
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1998	Latest Year SA funds	1998
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92637	Structure Number	92637
30.1	Milepoint	30.1
1968	Year Built	1968
County Ditch 17	Feature Crossed	County Ditch 17
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
7	Culvert Width	7
5.09	Culvert Height	5.09
80	Culvert Length	80
56	Area of Waterway Opening	56
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	6.8 * 622592.13 / 60 * 25 * 1.1	\$1,940,412
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.8 * 2112 * 47.95 / 20 * 25	\$860,798
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.8 * 8716.36 / 60 * 25	\$24,696
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	80 * 56 * 18.01 / 100 * 25 * 1.15	\$23,197
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,940,412 + \$860,798 + \$24,696 + \$23,197	\$2,849,103

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-604-020

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
W COUNTY LINE TO W LIMS GREENBUSH	Termini	W COUNTY LINE TO W LIMS GREENBUSH
440	Present AADT	440
2016	Year of Count	2016
1.1	Projection Factor	1.1
484	Projected Traffic	484
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 068-604-028 OL	Comments	2016 SP 068-604-028 OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8.8 * 622592.13 / 60 * 25 * 1.1	\$2,511,122
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8.8 * 2112 * 47.95 / 20 * 25	\$1,113,974
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8.8 * 8716.36 / 60 * 25	\$31,960
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,511,122 + \$1,113,974 + \$31,960	\$3,657,056

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-604-030

Original		Current
GREENBUSH	Municipality	GREENBUSH
0.5	Segment Length	0.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIMS GREENBUSH TO CSAH 7	Termini	W LIMS GREENBUSH TO CSAH 7
600	Present AADT	600
2016	Year of Count	2016
1.1	Projection Factor	1.1
660	Projected Traffic	660
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 068-604-028 OL	Comments	2016 SP 068-604-028 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 * 622592.13 / 60 * 25 * 1.1	\$142,677
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.95 / 20 * 25	\$63,294
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 8716.36 / 60 * 25	\$1,816
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$142,677 + \$63,294 + \$1,816	\$207,787

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-604-035

Original		Current
GREENBUSH	Municipality	GREENBUSH
0.5	Segment Length	0.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 7 TO TH 11 AT E LIMS GREENBUSH	Termini	CSAH 7 TO TH 11 AT E LIMS GREENBUSH
680	Present AADT	680
2016	Year of Count	2016
1.1	Projection Factor	1.1
748	Projected Traffic	748
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 068-604-028 OL	Comments	2016 SP 068-604-028 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 * 622592.13 / 60 * 25 * 1.1	\$142,677
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.95 / 20 * 25	\$63,294
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 8716.36 / 60 * 25	\$1,816
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$142,677 + \$63,294 + \$1,816	\$207,787

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-604-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8.1	Segment Length	8.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 11 AT E LIM GREENBUSH TO CSAH 3	Termini	TH 11 AT E LIM GREENBUSH TO CSAH 3
330	Present AADT	330
2016	Year of Count	2016
1.1	Projection Factor	1.1
363	Projected Traffic	363
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 068-604-029 OL	Comments	2016 SAP 068-604-029 OL
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68504	Structure Number	68504
10.13	Milepoint	10.13
1964	Year Built	1964
S BR TWO RIVERS	Feature Crossed	S BR TWO RIVERS
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
72.2	Bridge Length	72.2
31.5	Bridge Width	31.5
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: Original

Original		Current
88320	Structure Number	88320
15.67	Milepoint	15.67
1940	Year Built	1940
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
6	Culvert Height	6
40	Culvert Length	40
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	8.1 * 622592.13 / 60 * 25 * 1.1	\$2,311,373
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8.1 * 2112 * 47.95 / 20 * 25	\$1,025,363
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8.1 * 8716.36 / 60 * 25	\$29,418
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	72.2 * 31.5 * 173 / 80 * 25 * 1.15	\$141,397
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	40 * 60.00013138 * 18.01 / 100 * 25 * 1.15	\$12,427
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	\$0 + \$2,311,373 + \$1,025,363 + \$29,418 + \$141,397 + \$12,427	\$3,519,978

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-604-050

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
13.5	Segment Length	13.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO TH 89	Termini	CSAH 3 TO TH 89
135	Present AADT	135
2016	Year of Count	2016
1.1	Projection Factor	1.1
149	Projected Traffic	149
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2001	Latest Year SA funds	2001
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	13.5 * 622592.13 / 60 * 25 * 1.1	\$3,852,289
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	13.5 * 2112 * 47.95 / 20 * 25	\$1,708,938
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	13.5 * 8716.36 / 60 * 25	\$49,030
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$3,852,289 + \$1,708,938 + \$49,030	\$5,610,257

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-604-090

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 9	Termini	TH 89 TO CSAH 9
280	Present AADT	280
2016	Year of Count	2016
1.1	Projection Factor	1.1
308	Projected Traffic	308
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2001	Latest Year SA funds	2001
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
68J10	Structure Number	68J10
35.78	Milepoint	35.78
2000	Year Built	2000
CO DITCH # 21, LAT #1	Feature Crossed	CO DITCH # 21, LAT #1
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
12	Culvert Width	12
7	Culvert Height	7
54	Culvert Length	54
168	Area of Waterway Opening	168
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 * 622592.13 / 60 * 25 * 1.1	\$1,712,128
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 47.95 / 20 * 25	\$759,528
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 8716.36 / 60 * 25	\$21,791
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 168 * 18.01 / 100 * 25 * 1.15	\$46,974
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,712,128 + \$759,528 + \$21,791 + \$46,974	\$2,540,421

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-604-100

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 9 TO W LIM BELTRAMI ISLAND FOREST	Termini	CSAH 9 TO W LIM BELTRAMI ISLAND FOREST
280	Present AADT	280
2016	Year of Count	2016
1.1	Projection Factor	1.1
308	Projected Traffic	308
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2001	Latest Year SA funds	2001
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68511	Structure Number	68511
40.05	Milepoint	40.05
1966	Year Built	1966
ROSEAU RIVER	Feature Crossed	ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
93.3	Bridge Length	93.3
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
97230	Structure Number	97230
39.78	Milepoint	39.78
1991	Year Built	1991
County Ditch 21	Feature Crossed	County Ditch 21
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
11.5	Culvert Width	11.5
7.25	Culvert Height	7.25
50	Culvert Length	50
66	Area of Waterway Opening	66
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 * 622592.13 / 60 * 25 * 1.1	\$570,709
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.95 / 20 * 25	\$253,176
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 8716.36 / 60 * 25	\$7,264
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	93.3 * 31.7 * 173 / 80 * 25 * 1.15	\$183,880
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	50 * 66 * 18.01 / 100 * 25 * 1.15	\$17,087
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	\$0 + \$570,709 + \$253,176 + \$7,264 + \$183,880 + \$17,087	\$1,032,116

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-604-110

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.7	Segment Length	1.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIMS BELTRAMI FOREST TO PARKING AT HAYES LAKE ST PARK	Termini	W LIMS BELTRAMI FOREST TO PARKING AT HAYES LAKE ST PARK
280	Present AADT	280
2016	Year of Count	2016
1.1	Projection Factor	1.1
308	Projected Traffic	308
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2001	Latest Year SA funds	2001
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.7 * 622592.13 / 60 * 25 * 1.1	\$485,103
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.7 * 2112 * 47.95 / 20 * 25	\$215,200
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.7 * 8716.36 / 60 * 25	\$6,174
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$485,103 + \$215,200 + \$6,174	\$706,477

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-605-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.6	Segment Length	3.6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CLEAR RIVER STATION TO CSAH	Termini	CLEAR RIVER STATION TO CSAH
2		2
155	Present AADT	155
2016	Year of Count	2016
1.1	Projection Factor	1.1
171	Projected Traffic	171
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 068-030-003 SEALCOAT	Comments	2016 SAP 068-030-003 SEALCOAT
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
7229	Structure Number	7229
0.83	Milepoint	0.83
1958	Year Built	1958
W BR WARROAD RIVER	Feature Crossed	W BR WARROAD RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
57.2	Bridge Length	57.2
31.6	Bridge Width	31.6
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: Original

Original		Current
88323	Structure Number	88323
3.01	Milepoint	3.01
1958	Year Built	1958
Clausner Creek	Feature Crossed	Clausner Creek
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
11.583	Culvert Width	11.583
7.417	Culvert Height	7.417
43	Culvert Length	43
67	Area of Waterway Opening	67
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	3.6 * 622592.13 / 60 * 25 * 1.1	\$1,027,277
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.6 * 2112 * 47.95 / 20 * 25	\$455,717
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.6 * 8716.36 / 60 * 25	\$13,075
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	57.2 * 31.6 * 173 / 80 * 25 * 1.15	\$112,377
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	43 * 67 * 18.01 / 100 * 25 * 1.15	\$14,917
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	\$0 + \$1,027,277 + \$455,717 + \$13,075 + \$112,377 + \$14,917	\$1,623,363

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-605-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 2 TO CSAH 12	Termini	CSAH 2 TO CSAH 12
760	Present AADT	760
2016	Year of Count	2016
1.1	Projection Factor	1.1
836	Projected Traffic	836
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 068-030-003 SEALCOAT	Comments	2016 SAP 068-030-003 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	3 * 622592.13 / 60 * 25 * 1.1	\$856,064
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.95 / 20 * 25	\$379,764
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 8716.36 / 60 * 25	\$10,895
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$856,064 + \$379,764 + \$10,895	\$1,246,723

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-605-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO S LIM WARROAD	Termini	CSAH 12 TO S LIM WARROAD
1300	Present AADT	1300
2016	Year of Count	2016
1.1	Projection Factor	1.1
1430	Projected Traffic	1430
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 068-030-003 SEALCOAT	Comments	2016 SAP 068-030-003 SEALCOAT
2013 SP 068-605-009 ER REPAIR		2013 SP 068-605-009 ER REPAIR
THE SECTION FROM .2 MI. SOUTH OF THE CITY LIMITS TO THE CITY LIMITS COULD BE CHANGED TO AN URBAN DESIGN AFTER 10 YEARS AT THE DISCRETION OF THE COUNTY ENGINEER WITH DSAE APPROVAL.		THE SECTION FROM .2 MI. SOUTH OF THE CITY LIMITS TO THE CITY LIMITS COULD BE CHANGED TO AN URBAN DESIGN AFTER 10 YEARS AT THE DISCRETION OF THE COUNTY ENGINEER WITH DSAE APPROVAL.

Interchange Override
Segment Override

Bridge Information

Status: Original

Original		Current
7228	Structure Number	7228
10.38	Milepoint	10.38
1958	Year Built	1958
E BR WARROAD RIVER	Feature Crossed	E BR WARROAD RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
69.2	Bridge Length	69.2
31.6	Bridge Width	31.6
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: Original

Original		Current
68J19	Structure Number	68J19
7.23	Milepoint	7.23
2002	Year Built	2002
BULLDOG RUN RIVER	Feature Crossed	BULLDOG RUN RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10.2	Culvert Width	10.2
6.5	Culvert Height	6.5
82	Culvert Length	82
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	5 * 622592.13 / 60 * 25 * 1.1	\$1,426,774
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.95 / 20 * 25	\$632,940
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 8716.36 / 60 * 25	\$18,159
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	69.2 * 31.6 * 173 / 80 * 25 * 1.15	\$135,952
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	82 * 51.00043459 * 18.01 / 100 * 25 * 1.15	\$21,654
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	\$0 + \$1,426,774 + \$632,940 + \$18,159 + \$135,952 + \$21,654	\$2,235,479

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-605-040

Original		Current
WARROAD	Municipality	WARROAD
0.04	Segment Length	0.04
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO LIM WARROAD TO TH 11	Termini	SO LIM WARROAD TO TH 11
1300	Present AADT	1300
2016	Year of Count	2016
1.1	Projection Factor	1.1
1430	Projected Traffic	1430
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 068-030-003 SEALCOAT	Comments	2016 SAP 068-030-003 SEALCOAT
THIS SECTION MAY BE REVISED TO AN URBAN DESIGN AFTER 10 YEARS AT THE DISCRETION OF THE COUNTY ENGINEER AND APPROVAL OF THE DSAE.		THIS SECTION MAY BE REVISED TO AN URBAN DESIGN AFTER 10 YEARS AT THE DISCRETION OF THE COUNTY ENGINEER AND APPROVAL OF THE DSAE.

Interchange Override
Segment Override

Segment Cost Information

Computation Factor	Computation Formula	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 * 622592.13 / 60 * 25 * 1.1	\$11,414
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.04 * 2112 * 47.95 / 20 * 25	\$5,064
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.04 * 8716.36 / 60 * 25	\$145
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$11,414 + \$5,064 + \$145	\$16,623

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-606-010

Original	Current
Unassigned/Unknown	Unassigned/Unknown
10	10
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
W ROSEAU CO LINE TO TH 32	W ROSEAU CO LINE TO TH 32
120	120
2016	2016
1.1	1.1
132	132
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2014	2014
0	0
No Special Message	No Special Message
2014 SAP 068-606-012 SEALCOAT	2014 SAP 068-606-012 SEALCOAT
SP 68-606-010, 2007 BIT OVERLAY	SP 68-606-010, 2007 BIT OVERLAY
	Interchange Override
	Segment Override

RailRoadCrossing Information

Status: Original

Original	Current
MINNESOTA NORTHERN RAILROAD, INC.	MINNESOTA NORTHERN RAILROAD, INC.
062328A	062328A
9.9	9.9
1	1
SIGNS ONLY	SIGNS ONLY
0	0
40	40
0	0
100%	100%
	Comments

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	10 * 622592.13 / 60 * 25 * 1.1	\$2,853,547
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	10 * 2112 * 47.95 / 20 * 25	\$1,265,880
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	10 * 8716.36 / 60 * 25	\$36,318
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	40 * 1750 / 25 * 25	\$70,000

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$2,853,547 + \$1,265,880 + \$36,318 + \$2,000 + \$70,000	\$4,227,745
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-606-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
8	Segment Length	8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 32 TO CSAH 3	Termini	TH 32 TO CSAH 3
245	Present AADT	245
2016	Year of Count	2016
1.1	Projection Factor	1.1
270	Projected Traffic	270
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 SP 068-606-011 BIT OVERLAY	Comments	2012 SP 068-606-011 BIT OVERLAY
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8 * 622592.13 / 60 * 25 * 1.1	\$2,282,838
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8 * 2112 * 47.95 / 20 * 25	\$1,012,704
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8 * 8716.36 / 60 * 25	\$29,055
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,282,838 + \$1,012,704 + \$29,055	\$3,324,597

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-607-010

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
ON KITTSOON ROSEAU CO LINE TO 1.5 MI SO	Termini	ON KITTSOON ROSEAU CO LINE TO 1.5 MI SO
115	Present AADT	115
2016	Year of Count	2016
1.1	Projection Factor	1.1
127	Projected Traffic	127
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$1.5 * 311296.07 / 60 * 25 * 1.1$	\$214,016
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$1.5 * 546 * 10.75 / 2 * 25$	\$110,053
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$1.5 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	\$214,016 + \$110,053 + \$0	\$324,069

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-607-011

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
1.5 MI TO 4.5 MI SO ON CO LINE	Termini	1.5 MI TO 4.5 MI SO ON CO LINE
115	Present AADT	115
2016	Year of Count	2016
1.1	Projection Factor	1.1
127	Projected Traffic	127
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 * 311296.07 / 60 * 25 * 1.1	\$428,032
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 546 * 10.75 / 2 * 25	\$220,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$428,032 + \$220,106 + \$0	\$648,138

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-607-020

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
W CO LINE TO 2.0 MI E	Termini	W CO LINE TO 2.0 MI E
115	Present AADT	115
2016	Year of Count	2016
1.1	Projection Factor	1.1
127	Projected Traffic	127
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 * 311296.07 / 60 * 25 * 1.1	\$285,355
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	\$285,355 + \$146,738 + \$0	\$432,093

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-607-021

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
2.0 MILES E OF W CO LINE TO 4.5 M E OF W CO LINE	Termini	2.0 MILES E OF W CO LINE TO 4.5 M E OF W CO LINE
115	Present AADT	115
2016	Year of Count	2016
1.1	Projection Factor	1.1
127	Projected Traffic	127
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1980	Latest Year SA funds	1980
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.5 * 311296.07 / 60 * 25 * 1.1	\$356,693
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	\$356,693 + \$183,422 + \$0	\$540,115

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-607-025

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
4.5 M E TO 4.8 M E OF W CO LINE	Termini	4.5 M E TO 4.8 M E OF W CO LINE
115	Present AADT	115
2016	Year of Count	2016
1.1	Projection Factor	1.1
127	Projected Traffic	127
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	0.3 * 622592.13 / 60 * 25 * 1.1	\$85,606
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 47.95 / 20 * 25	\$37,976
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 8716.36 / 60 * 25	\$1,090
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$85,606 + \$37,976 + \$1,090	\$124,672

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-607-028

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
4.8 MILES E OF W CO LINE TO CO RD 103	Termini	4.8 MILES E OF W CO LINE TO CO RD 103
115	Present AADT	115
2016	Year of Count	2016
1.1	Projection Factor	1.1
127	Projected Traffic	127
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1980	Latest Year SA funds	1980
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.2 * 311296.07 / 60 * 25 * 1.1	\$456,568
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	\$456,568 + \$234,780 + \$0	\$691,348

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-607-030

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
CO RD 103 TO CSAH 10	Termini	CO RD 103 TO CSAH 10
115	Present AADT	115
2016	Year of Count	2016
1.1	Projection Factor	1.1
127	Projected Traffic	127
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1967	Latest Year SA funds	1967
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 311296.07 / 60 * 25 * 1.1	\$285,355
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	\$285,355 + \$146,738 + \$0	\$432,093

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-607-031

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
CSAH 10 TO CSAH 26	Termini	CSAH 10 TO CSAH 26
130	Present AADT	130
2016	Year of Count	2016
1.1	Projection Factor	1.1
143	Projected Traffic	143
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESURF UNDER SAP 68-607-014	Comments	RESURF UNDER SAP 68-607-014
	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	2 * 622592.13 / 60 * 25 * 1.1	\$570,709
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.95 / 20 * 25	\$253,176
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 8716.36 / 60 * 25	\$7,264
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$570,709 + \$253,176 + \$7,264	\$831,149

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-607-050

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 26 TO N LIM GREENBUSH	Termini	CSAH 26 TO N LIM GREENBUSH
450	Present AADT	450
2016	Year of Count	2016
1.1	Projection Factor	1.1
495	Projected Traffic	495
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESURF UNDER SAP 68-607-014	Comments	RESURF UNDER SAP 68-607-014
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68501	Structure Number	68501
7.73	Milepoint	7.73
1959	Year Built	1959
State Ditch 95	Feature Crossed	State Ditch 95
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
31	Bridge Length	31
31.6	Bridge Width	31.6
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	7 * 622592.13 / 60 * 25 * 1.1	\$1,997,483
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 47.95 / 20 * 25	\$886,116
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 8716.36 / 60 * 25	\$25,423
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	31 * 31.6 * 173 / 80 * 25 * 1.15	\$60,904
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,997,483 + \$886,116 + \$25,423 + \$60,904	\$2,969,926

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-607-055

Original

Current

GREENBUSH	Municipality	GREENBUSH
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
N LIM GREENBUSH TO CSAH 4	Termini	N LIM GREENBUSH TO CSAH 4
450	Present AADT	450
2016	Year of Count	2016
1.1	Projection Factor	1.1
495	Projected Traffic	495
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RESURF UNDER SAP 68-607-014	Comments	RESURF UNDER SAP 68-607-014
	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	0.9 * 622592.13 / 60 * 25 * 1.1	\$256,819
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.9 * 2112 * 47.95 / 20 * 25	\$113,929
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.9 * 8716.36 / 60 * 25	\$3,269
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$256,819 + \$113,929 + \$3,269	\$374,017

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-607-060

Original		Current
GREENBUSH	Municipality	GREENBUSH
0.09	Segment Length	0.09
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 4 TO JOHNSON AV	Termini	CSAH 4 TO JOHNSON AV
1150	Present AADT	1150
2016	Year of Count	2016
1.1	Projection Factor	1.1
1265	Projected Traffic	1265
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 068-607-018 M&OL	Comments	2016 SAP 068-607-018 M&OL
RESURF UNDER SAP 68-607-014		RESURF UNDER SAP 68-607-014
	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	0.09 * 2789799.78 / 60 * 25 * 1.15	\$120,310
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.09 * 2904 * 47.95 / 15 * 25	\$20,887
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.09 * 94238.2 / 60 * 25	\$3,534
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$120,310 + \$20,887 + \$3,534	\$144,731

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-607-070

Original		Current
GREENBUSH	Municipality	GREENBUSH
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
JOHNSON AVE TO POPLAR AVE	Termini	JOHNSON AVE TO POPLAR AVE
1150	Present AADT	1150
2016	Year of Count	2016
1.1	Projection Factor	1.1
1265	Projected Traffic	1265
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 068-607-018 M&OL	Comments	2016 SAP 068-607-018 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	0.14 * 2789799.78 / 60 * 25 * 1.15	\$187,149
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.14 * 2904 * 47.95 / 15 * 25	\$32,491
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.14 * 94238.2 / 60 * 25	\$5,497
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$187,149 + \$32,491 + \$5,497	\$225,137

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-607-080

Original		Current
GREENBUSH	Municipality	GREENBUSH
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
POPLAR AVE TO W JCT CENTRAL AVE	Termini	POPLAR AVE TO W JCT CENTRAL AVE
1150	Present AADT	1150
2016	Year of Count	2016
1.1	Projection Factor	1.1
1265	Projected Traffic	1265
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 068-607-018 M&OL	Comments	2016 SAP 068-607-018 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	0.21 * 2789799.78 / 60 * 25 * 1.15	\$280,724
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.21 * 2904 * 47.95 / 15 * 25	\$48,736
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.21 * 94238.2 / 60 * 25	\$8,246
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$280,724 + \$48,736 + \$8,246	\$337,706

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-607-090

Original

Current

GREENBUSH	Municipality	GREENBUSH
0.45	Segment Length	0.45
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W JCT TO E JCT CENTRAL AVE	Termini	W JCT TO E JCT CENTRAL AVE
570	Present AADT	570
2016	Year of Count	2016
1.1	Projection Factor	1.1
627	Projected Traffic	627
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	0.45 * 2789799.78 / 60 * 25 * 1.15	\$601,551
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.45 * 2904 * 47.95 / 15 * 25	\$104,435
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.45 * 94238.2 / 60 * 25	\$17,670
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$601,551 + \$104,435 + \$17,670	\$723,656

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-608-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 23 TO CR 107	Termini	CSAH 23 TO CR 107
70	Present AADT	70
2016	Year of Count	2016
1.1	Projection Factor	1.1
77	Projected Traffic	77
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1985	Latest Year SA funds	1985
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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 * 311296.07 / 60 * 25 * 1.1	\$285,355
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	\$285,355 + \$146,738 + \$0	\$432,093

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-608-011

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
CO RD 107 TO 1.0 MI W TH 32	Termini	CO RD 107 TO 1.0 MI W TH 32
70	Present AADT	70
2016	Year of Count	2016
1.1	Projection Factor	1.1
77	Projected Traffic	77
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1985	Latest Year SA funds	1985
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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 * 311296.07 / 60 * 25 * 1.1	\$428,032
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 546 * 10.75 / 2 * 25	\$220,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$428,032 + \$220,106 + \$0	\$648,138

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-608-012

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
1.0 MI W TO TH 32	Termini	1.0 MI W TO TH 32
70	Present AADT	70
2016	Year of Count	2016
1.1	Projection Factor	1.1
77	Projected Traffic	77
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
MINNESOTA NORTHERN RAILROAD, INC.	RailRoad Name	MINNESOTA NORTHERN RAILROAD, INC.
062334D	USDOT Number	062334D
0.9	Located at Milepoint	0.9
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
32	Crossing Length	32
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$1 * 311296.07 / 60 * 25 * 1.1$	\$142,677
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
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$32 * 1750 / 25 * 25$	\$56,000
Total Segment Cost	Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	$\$142,677 + \$73,369 + \$0 + \$2,000 + \$56,000$	\$274,046

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-608-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 32 TO CSAH 25	Termini	TH 32 TO CSAH 25
60	Present AADT	60
2016	Year of Count	2016
1.1	Projection Factor	1.1
66	Projected Traffic	66
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	5 * 311296.07 / 60 * 25 * 1.1	\$713,387
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 546 * 10.75 / 2 * 25	\$366,844
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$713,387 + \$366,844 + \$0	\$1,080,231

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-608-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 25 TO CSAH 3	Termini	CSAH 25 TO CSAH 3
60	Present AADT	60
2016	Year of Count	2016
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	3 * 311296.07 / 60 * 25 * 1.1	\$428,032
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 546 * 10.75 / 2 * 25	\$220,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$428,032 + \$220,106 + \$0	\$648,138

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-608-040

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO 6.0 MI EAST	Termini	CSAH 3 TO 6.0 MI EAST
130	Present AADT	130
2016	Year of Count	2016
1.1	Projection Factor	1.1
143	Projected Traffic	143
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 068-608-011 SEALCOAT	Comments	2014 SAP 068-608-011 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	6 * 622592.13 / 60 * 25 * 1.1	\$1,712,128
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 47.95 / 20 * 25	\$759,528
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 8716.36 / 60 * 25	\$21,791
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,712,128 + \$759,528 + \$21,791	\$2,493,447

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-608-060

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
6.0 MI E OF CSAH 3 TO TH 89	Termini	6.0 MI E OF CSAH 3 TO TH 89
150	Present AADT	150
2016	Year of Count	2016
1.1	Projection Factor	1.1
165	Projected Traffic	165
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 068-608-011 SEALCOAT	Comments	2014 SAP 068-608-011 SEALCOAT
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68519	Structure Number	68519
27.77	Milepoint	27.77
1970	Year Built	1970
S FK ROSEAU RIVER	Feature Crossed	S FK ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
75.3	Bridge Length	75.3
35.5	Bridge Width	35.5
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	7.7 * 622592.13 / 60 * 25 * 1.1	\$2,197,231
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.7 * 2112 * 47.95 / 20 * 25	\$974,728
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.7 * 8716.36 / 60 * 25	\$27,965
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	75.3 * 35.5 * 173 / 80 * 25 * 1.15	\$166,195
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$2,197,231 + \$974,728 + \$27,965 + \$166,195	\$3,366,119

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-609-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S CO LINE TO CSAH 4	Termini	S CO LINE TO CSAH 4
680	Present AADT	680
2016	Year of Count	2016
1.1	Projection Factor	1.1
748	Projected Traffic	748
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2019	Latest Year SA funds	2019
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2019 068-609-019 & 068-609-020 culvert replacement. recon	Comments	2019 068-609-019 & 068-609-020 culvert replacement. recon
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68513	Structure Number	68513
0.34	Milepoint	0.34
1968	Year Built	1968
ROSEAU RIVER	Feature Crossed	ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
31	Bridge Length	31
32.2	Bridge Width	32.2
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: Original

Original		Current
68J50	Structure Number	68J50
0.01	Milepoint	0.01
2019	Year Built	2019
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
7	Culvert Height	7
64	Culvert Length	64
84	Area of Waterway Opening	84
100%	Shared Structure	100%
sap 068-609-020	Comments	sap 068-609-020
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 * 622592.13 / 60 * 25 * 1.1	\$1,997,483
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 47.95 / 20 * 25	\$886,116
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 8716.36 / 60 * 25	\$25,423
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	31 * 32.2 * 173 / 80 * 25 * 1.15	\$62,060
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 84 * 18.01 / 100 * 25 * 1.15	\$27,836
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	\$0 + \$1,997,483 + \$886,116 + \$25,423 + \$62,060 + \$27,836	\$2,998,918

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	ROSEAU	Segment Nbr : 068-609-011
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
9.2	Segment Length	9.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 4 TO E. JCT CSAH 2	Termini	CSAH 4 TO E. JCT CSAH 2
790	Present AADT	790
2016	Year of Count	2016
1.1	Projection Factor	1.1
869	Projected Traffic	869
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2009	Latest Year SA funds	2009
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2009 OVERLAY, SP 68-609-017	Comments	2009 OVERLAY, SP 68-609-017
	Interchange Override	
	Segment Override	

Bridge Information		Status: Original
Original	Current	
68510	Structure Number	68510
15.62	Milepoint	15.62
1966	Year Built	1966
BEAR CREEK	Feature Crossed	BEAR CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
63.2	Bridge Length	63.2
31.5	Bridge Width	31.5
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Bridge Information		Status: Original
Original	Current	
68512	Structure Number	68512
7.49	Milepoint	7.49
1966	Year Built	1966
ROSEAU RIVER	Feature Crossed	ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
93.3	Bridge Length	93.3
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	
92226	Structure Number	92226
12.19	Milepoint	12.19
1967	Year Built	1967
SEVERSON CREEK	Feature Crossed	SEVERSON CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2

11.5	Culvert Width	11.5
7.25	Culvert Height	7.25
54	Culvert Length	54
128	Area of Waterway Opening	128
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	9.2 * 622592.13 / 60 * 25 * 1.1	\$2,625,263
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	9.2 * 2112 * 47.95 / 20 * 25	\$1,164,610
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	9.2 * 8716.36 / 60 * 25	\$33,413
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	63.2 * 31.5 * 173 / 80 * 25 * 1.15	\$123,772
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	93.3 * 31.7 * 173 / 80 * 25 * 1.15	\$183,880
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 128 * 18.01 / 100 * 25 * 1.15	\$35,789
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge + Culvert	\$0 + \$2,625,263 + \$1,164,610 + \$33,413 + \$123,772 + \$183,880 + \$35,789	\$4,166,727

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-609-060

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
EAST JCT CSAH 2 TO TH 11	Termini	EAST JCT CSAH 2 TO TH 11
590	Present AADT	590
2016	Year of Count	2016
1.1	Projection Factor	1.1
649	Projected Traffic	649
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2009	Latest Year SA funds	2009
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2009 OVERLAY, SP 68-609-017	Comments	2009 OVERLAY, SP 68-609-017
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 622592.13 / 60 * 25 * 1.1	\$1,626,522
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.7 * 2112 * 47.95 / 20 * 25	\$721,552
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.7 * 8716.36 / 60 * 25	\$20,701
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,626,522 + \$721,552 + \$20,701	\$2,368,775

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-610-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 7 TO 2 MI W OF CSAH 16	Termini	CSAH 7 TO 2 MI W OF CSAH 16
25	Present AADT	25
2016	Year of Count	2016
1.1	Projection Factor	1.1
28	Projected Traffic	28
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 311296.07 / 60 * 25 * 1.1	\$570,709
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 546 * 10.75 / 2 * 25	\$293,475
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$570,709 + \$293,475 + \$0	\$864,184

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-610-011

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2 MI W OF CSAH 16 TO CSAH 16	Termini	2 MI W OF CSAH 16 TO CSAH 16
25	Present AADT	25
2016	Year of Count	2016
1.1	Projection Factor	1.1
28	Projected Traffic	28
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93709	Structure Number	93709
4.76	Milepoint	4.76
1985	Year Built	1985
State Ditch 69	Feature Crossed	State Ditch 69
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
5	Culvert Height	5
40	Culvert Length	40
50.00046828	Area of Waterway Opening	50.00046828
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 311296.07 / 60 * 25 * 1.1	\$285,355
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	40 * 50.00046828 * 18.01 / 100 * 25 * 1.15	\$10,356
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$285,355 + \$146,738 + \$0 + \$10,356	\$442,449

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-610-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 16 TO CSAH 3	Termini	CSAH 16 TO CSAH 3
25	Present AADT	25
2016	Year of Count	2016
1.1	Projection Factor	1.1
28	Projected Traffic	28
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93631	Structure Number	93631
8.116	Milepoint	8.116
1973	Year Built	1973
State Ditch 69	Feature Crossed	State Ditch 69
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
42	Culvert Length	42
55.00029983	Area of Waterway Opening	55.00029983
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 * 311296.07 / 60 * 25 * 1.1	\$856,064
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 546 * 10.75 / 2 * 25	\$440,213
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	42 * 55.00029983 * 18.01 / 100 * 25 * 1.15	\$11,961
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$856,064 + \$440,213 + \$0 + \$11,961	\$1,308,238

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-611-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 26 TO CSAH 10	Termini	CSAH 26 TO CSAH 10
20	Present AADT	20
2016	Year of Count	2016
1.1	Projection Factor	1.1
22	Projected Traffic	22
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 * 311296.07 / 60 * 25 * 1.1	\$285,355
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	\$285,355 + \$146,738 + \$0	\$432,093

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-612-009

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 9 TO CSAH 13	Termini	CSAH 9 TO CSAH 13
345	Present AADT	345
2016	Year of Count	2016
1.1	Projection Factor	1.1
380	Projected Traffic	380
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-612-024 OL	Comments	2015 SAP 068-612-024 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 * 622592.13 / 60 * 25 * 1.1	\$856,064
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.95 / 20 * 25	\$379,764
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 8716.36 / 60 * 25	\$10,895
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$856,064 + \$379,764 + \$10,895	\$1,246,723

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	ROSEAU	Segment Nbr : 068-612-010
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
10.3	Segment Length	10.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 13 TO CSAH 5	Termini	CSAH 13 TO CSAH 5
336	Present AADT	336
2016	Year of Count	2016
1.1	Projection Factor	1.1
370	Projected Traffic	370
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	

Bridge Information		Status: Original
Original	Current	
68505	Structure Number	68505
4.45	Milepoint	4.45
1965	Year Built	1965
HAY CREEK	Feature Crossed	HAY CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
93.4	Bridge Length	93.4
31.5	Bridge Width	31.5
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information		Status: Original
Original	Current	
93404	Structure Number	93404
7.24	Milepoint	7.24
1978	Year Built	1978
BR 3 CO DITCH # 9	Feature Crossed	BR 3 CO DITCH # 9
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10.2	Culvert Width	10.2
6.417	Culvert Height	6.417
52	Culvert Length	52
52.0004009	Area of Waterway Opening	52.0004009
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
95017	Structure Number	95017
11.341	Milepoint	11.341
1982	Year Built	1982
W BR WARROAD RIVER	Feature Crossed	W BR WARROAD RIVER

STREAM CROSSING	Type of Service	STREAM CROSSING
4	Number of Barrels	4
12	Culvert Width	12
10	Culvert Height	10
52	Culvert Length	52
480	Area of Waterway Opening	480
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	10.3 * 622592.13 / 60 * 25 * 1.1	\$2,939,154
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	10.3 * 2112 * 47.95 / 20 * 25	\$1,303,856
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	10.3 * 8716.36 / 60 * 25	\$37,408
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	93.4 * 31.5 * 173 / 80 * 25 * 1.15	\$182,916
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	52 * 52.0004009 * 18.01 / 100 * 25 * 1.15	\$14,001
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	52 * 480 * 18.01 / 100 * 25 * 1.15	\$129,240
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert + Culvert	\$0 + \$2,939,154 + \$1,303,856 + \$37,408 + \$182,916 + \$14,001 + \$129,240	\$4,606,575

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-612-030

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 5 TO TH 11	Termini	CSAH 5 TO TH 11
315	Present AADT	315
2016	Year of Count	2016
1.1	Projection Factor	1.1
347	Projected Traffic	347
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2011	Latest Year SA funds	2011
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
93707	Structure Number	93707
14.851	Milepoint	14.851
1984	Year Built	1984
E BR WARROAD RIVER	Feature Crossed	E BR WARROAD RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Barrels	3
14.083	Culvert Width	14.083
8.917	Culvert Height	8.917
60	Culvert Length	60
297	Area of Waterway Opening	297
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
93983	Structure Number	93983
13.651	Milepoint	13.651
1988	Year Built	1988
BULLDOG RUN RIVER	Feature Crossed	BULLDOG RUN RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10.167	Culvert Width	10.167
6.417	Culvert Height	6.417
64	Culvert Length	64
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	5.9 * 622592.13 / 60 * 25 * 1.1	\$1,683,593
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.9 * 2112 * 47.95 / 20 * 25	\$746,869
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.9 * 8716.36 / 60 * 25	\$21,428
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 297 * 18.01 / 100 * 25 * 1.15	\$92,270
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 51.00043459 * 18.01 / 100 * 25 * 1.15	\$16,901
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$1,683,593 + \$746,869 + \$21,428 + \$92,270 + \$16,901	\$2,561,061

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :		ROSEAU
		Segment Nbr : 068-612-040
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
8	Segment Length	8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 11 TO E CO LINE	Termini	TH 11 TO E CO LINE
610	Present AADT	610
2016	Year of Count	2016
1.1	Projection Factor	1.1
671	Projected Traffic	671
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 068-030-003 SEALCOAT	Comments	2016 SAP 068-030-003 SEALCOAT
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
68518	Structure Number	68518
25.801	Milepoint	25.801
1971	Year Built	1971
WILLOW CREEK	Feature Crossed	WILLOW CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
14.1	Culvert Width	14.1
8.917	Culvert Height	8.917
100	Culvert Length	100
198	Area of Waterway Opening	198
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
92505	Structure Number	92505
22.981	Milepoint	22.981
1971	Year Built	1971
CO DITCH # 26	Feature Crossed	CO DITCH # 26
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
11.5	Culvert Width	11.5
7.25	Culvert Height	7.25
44	Culvert Length	44
55.00029983	Area of Waterway Opening	55.00029983
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
92506	Structure Number	92506
21.971	Milepoint	21.971

1971	Year Built	1971
County Ditch 20	Feature Crossed	County Ditch 20
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12.83	Culvert Width	12.83
8.083	Culvert Height	8.083
44	Culvert Length	44
78	Area of Waterway Opening	78
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original

Current

92507	Structure Number	92507
23.311	Milepoint	23.311
1971	Year Built	1971
County Ditch 26	Feature Crossed	County Ditch 26
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
11.5	Culvert Width	11.5
7.25	Culvert Height	7.25
44	Culvert Length	44
66	Area of Waterway Opening	66
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original

Current

92725	Structure Number	92725
24.311	Milepoint	24.311
1971	Year Built	1971
County Ditch 26	Feature Crossed	County Ditch 26
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12.833	Culvert Width	12.833
8.083	Culvert Height	8.083
44	Culvert Length	44
81.00050028	Area of Waterway Opening	81.00050028
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

RailRoadCrossing Information

Status: Original

Original

Current

CANADIAN NATIONAL RAILWAY	RailRoad Name	CANADIAN NATIONAL RAILWAY
312230N	USDOT Number	312230N
0.1	Located at Milepoint	0.1
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1994	Last Year Protection Upgraded	1994
40	Crossing Length	40
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
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Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8 * 622592.13 / 60 * 25 * 1.1	\$2,282,838
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8 * 2112 * 47.95 / 20 * 25	\$1,012,704
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8 * 8716.36 / 60 * 25	\$29,055
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	100 * 198 * 18.01 / 100 * 25 * 1.15	\$102,522
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	44 * 55.00029983 * 18.01 / 100 * 25 * 1.15	\$12,531
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	44 * 78 * 18.01 / 100 * 25 * 1.15	\$17,770
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	44 * 66 * 18.01 / 100 * 25 * 1.15	\$15,037
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	44 * 81.00050028 * 18.01 / 100 * 25 * 1.15	\$18,454
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	Surfacelength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	40 * 1750 / 25 * 25	\$70,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert + Culvert + Culvert + RR Crossing Protection + RR Crossing Surface	\$0 + \$2,282,838 + \$1,012,704 + \$29,055 + \$102,522 + \$12,531 + \$17,770 + \$15,037 + \$18,454 + \$350,000 + \$70,000	\$3,910,911

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-613-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.5	Segment Length	2.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 9 TO 2.5 MILES EAST OF CSAH 9	Termini	CSAH 9 TO 2.5 MILES EAST OF CSAH 9
30	Present AADT	30
2016	Year of Count	2016
1.1	Projection Factor	1.1
33	Projected Traffic	33
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
90169	Structure Number	90169
0.13	Milepoint	0.13
1971	Year Built	1971
County Ditch 23	Feature Crossed	County Ditch 23
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
11.5	Culvert Width	11.5
7.25	Culvert Height	7.25
34	Culvert Length	34
132	Area of Waterway Opening	132
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.5 * 311296.07 / 60 * 25 * 1.1	\$356,693
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
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	34 * 132 * 18.01 / 100 * 25 * 1.15	\$23,238
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$356,693 + \$183,422 + \$0 + \$23,238	\$563,353

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-613-011

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.5 MILES EAST OF CSAH 9 TO CR 126 E	Termini	2.5 MILES EAST OF CSAH 9 TO CR 126 E
30	Present AADT	30
2016	Year of Count	2016
1.1	Projection Factor	1.1
33	Projected Traffic	33
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1995	Latest Year SA funds	1995
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93476	Structure Number	93476
4.5	Milepoint	4.5
1979	Year Built	1979
County Ditch 23	Feature Crossed	County Ditch 23
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
11.5	Culvert Width	11.5
7.25	Culvert Height	7.25
64	Culvert Length	64
66	Area of Waterway Opening	66
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 311296.07 / 60 * 25 * 1.1	\$285,355
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 66 * 18.01 / 100 * 25 * 1.15	\$21,871
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$285,355 + \$146,738 + \$0 + \$21,871	\$453,964

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-613-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 126 TO W JCT CSAH 2	Termini	CO RD 126 TO W JCT CSAH 2
115	Present AADT	115
2016	Year of Count	2016
1.1	Projection Factor	1.1
127	Projected Traffic	127
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-613-022 OL	Comments	2015 SAP 068-613-022 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 * 622592.13 / 60 * 25 * 1.1	\$570,709
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.95 / 20 * 25	\$253,176
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 8716.36 / 60 * 25	\$7,264
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$570,709 + \$253,176 + \$7,264	\$831,149

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-613-040

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
W JCT CSAH 2 TO TH 11	Termini	W JCT CSAH 2 TO TH 11
260	Present AADT	260
2016	Year of Count	2016
1.1	Projection Factor	1.1
286	Projected Traffic	286
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-613-022 OL	Comments	2015 SAP 068-613-022 OL
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68507	Structure Number	68507
11.46	Milepoint	11.46
1965	Year Built	1965
HAY CREEK	Feature Crossed	HAY CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
69.2	Bridge Length	69.2
31.5	Bridge Width	31.5
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.9 * 622592.13 / 60 * 25 * 1.1	\$1,968,948
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.9 * 2112 * 47.95 / 20 * 25	\$873,457
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.9 * 8716.36 / 60 * 25	\$25,060
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	69.2 * 31.5 * 173 / 80 * 25 * 1.15	\$135,522
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,968,948 + \$873,457 + \$25,060 + \$135,522	\$3,002,987

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-613-050

Original	Current
Unassigned/Unknown	Unassigned/Unknown
4.1	4.1
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
JCT TH 11 TO 4.1 MI NORTH AND EAST TO CSAH 13 N	JCT TH 11 TO 4.1 MI NORTH AND EAST TO CSAH 13 N
210	210
2016	2016
1.1	1.1
231	231
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2015	2015
0	0
No Special Message	No Special Message
2015 SAP 068-613-023 SEALCOAT	2015 SAP 068-613-023 SEALCOAT
2013 SAP 068-613-021 PAVING PHASE 2	2013 SAP 068-613-021 PAVING PHASE 2
2012 SAP 068-613-020 AGG BASE PHASE I	2012 SAP 068-613-020 AGG BASE PHASE I
RECONSTRUCTED UNDER PLAN #SAP 68-613-015	RECONSTRUCTED UNDER PLAN #SAP 68-613-015
2013 BITUMINOUS SURFACING UNDER #SAP 068-613-021	2013 BITUMINOUS SURFACING UNDER #SAP 068-613-021
	Interchange Override
	Segment Override

Culvert Information

Status: Original

Original	Current
93635	93635
14.56	14.56
1983	1983
CO DITCH # 18	CO DITCH # 18
STREAM CROSSING	STREAM CROSSING
1	1
10.167	10.167
6.417	6.417
56	56
51.00043459	51.00043459
100%	100%
	Comments
1	Culvert Group Code

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.1 * 622592.13 / 60 * 25 * 1.1	\$1,169,954

Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.1 * 2112 * 47.95 / 20 * 25	\$519,011
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.1 * 8716.36 / 60 * 25	\$14,890
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	56 * 51.00043459 * 18.01 / 100 * 25 * 1.15	\$14,788
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,169,954 + \$519,011 + \$14,890 + \$14,788	\$1,718,643

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-613-060

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
CSAH 13 N TO 1.9 MI N	Termini	CSAH 13 N TO 1.9 MI N
105	Present AADT	105
2016	Year of Count	2016
1.1	Projection Factor	1.1
116	Projected Traffic	116
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-613-023 SEALCOAT	Comments	2015 SAP 068-613-023 SEALCOAT
2013 SAP 068-613-021 PAVING PHASE 2		2013 SAP 068-613-021 PAVING PHASE 2
2012 SAP 068-613-020 AGG BASE PHASE I		2012 SAP 068-613-020 AGG BASE PHASE I
RECONSTRUCTED UNDER PLAN #SAP 68-613 015 CULVERT UNDER SAP 68-613-014 2013 - BITUMINOUS SURFACING UNDER #SAP 068-613-021		RECONSTRUCTED UNDER PLAN #SAP 68-613 015 CULVERT UNDER SAP 68-613-014 2013 - BITUMINOUS SURFACING UNDER #SAP 068-613-021

Interchange Override
Segment Override

Culvert Information

Status: Original

Original

Current

68J23	Structure Number	68J23
18.63	Milepoint	18.63
2005	Year Built	2005
JD 61	Feature Crossed	JD 61
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
11.5	Culvert Width	11.5
7.333	Culvert Height	7.333
68	Culvert Length	68
132	Area of Waterway Opening	132
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	1.9 * 622592.13 / 60 * 25 * 1.1	\$542,174
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.9 * 2112 * 47.95 / 20 * 25	\$240,517

ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.9 * 8716.36 / 60 * 25	\$6,900
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	68 * 132 * 18.01 / 100 * 25 * 1.15	\$46,477
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$542,174 + \$240,517 + \$6,900 + \$46,477	\$836,068

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-613-061

Original	Current
Unassigned/Unknown	Unassigned/Unknown
2.1	2.1
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
1.9 MILES NORTH OF CSAH 13 N TO CR 137	1.9 MILES NORTH OF CSAH 13 N TO CR 137
105	105
2016	2016
1.1	1.1
116	116
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2015	2015
0	0
No Special Message	No Special Message
2015 SAP 068-613-023 SEALCOAT	2015 SAP 068-613-023 SEALCOAT
2013 SAP 068-613-021 PAVING PHASE 2	2013 SAP 068-613-021 PAVING PHASE 2
2012 SAP 068-613-020 AGG BASE PHASE I	2012 SAP 068-613-020 AGG BASE PHASE I
RECONSTRUCTED UNDER PLAN #SAP 68-613-015	RECONSTRUCTED UNDER PLAN #SAP 68-613-015
2013 - BITUMINOUS SURFACING UNDER #SAP 068-613-021	2013 - BITUMINOUS SURFACING UNDER #SAP 068-613-021

Interchange Override
Segment Override

Segment Cost Information

Computation Factor	Computation 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 * 622592.13 / 60 * 25 * 1.1	\$599,245
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.1 * 2112 * 47.95 / 20 * 25	\$265,835
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.1 * 8716.36 / 60 * 25	\$7,627
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$599,245 + \$265,835 + \$7,627	\$872,707

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-613-070

Original	Current
Unassigned/Unknown	Unassigned/Unknown
4	4
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
CO RD 137 TO 2.0 MI W OF TH 313	CO RD 137 TO 2.0 MI W OF TH 313
680	680
2016	2016
1.1	1.1
748	748
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2015	2015
0	0
No Special Message	No Special Message
2015 SAP 068-613-023 SEALCOAT	2015 SAP 068-613-023 SEALCOAT
OVERLAY 2010, SAP 68-613-019	OVERLAY 2010, SAP 68-613-019
	Interchange Override
	Segment Override

Culvert Information

Status: Original

Original	Current
92483	92483
21.58	21.58
1967	1967
JD 61	JD 61
STREAM CROSSING	STREAM CROSSING
1	1
11.5	11.5
7.3	7.3
90	90
64	64
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 * 622592.13 / 60 * 25 * 1.1	\$1,141,419
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 47.95 / 20 * 25	\$506,352
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 8716.36 / 60 * 25	\$14,527
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	90 * 64 * 18.01 / 100 * 25 * 1.15	\$29,825

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,141,419 + \$506,352 + \$14,527 + \$29,825	\$1,692,123
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-613-080

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
2.0 MI W OF TH 313 TO TH 313	Termini	2.0 MI W OF TH 313 TO TH 313
680	Present AADT	680
2016	Year of Count	2016
1.1	Projection Factor	1.1
748	Projected Traffic	748
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-613-023 SEALCOAT	Comments	2015 SAP 068-613-023 SEALCOAT
2010 SAP 68-613-019 OVERLAY		2010 SAP 68-613-019 OVERLAY
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 622592.13 / 60 * 25 * 1.1	\$570,709
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.95 / 20 * 25	\$253,176
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 8716.36 / 60 * 25	\$7,264
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$570,709 + \$253,176 + \$7,264	\$831,149

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-613-090

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.7	Segment Length	1.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 313 TO SPRINGSTEEL ISLAND	Termini	TH 313 TO SPRINGSTEEL ISLAND
520	Present AADT	520
2016	Year of Count	2016
1.1	Projection Factor	1.1
572	Projected Traffic	572
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2009	Latest Year SA funds	2009
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2009 OVERLAY, SAP 68-613-016	Comments	2009 OVERLAY, SAP 68-613-016
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN NATIONAL RAILWAY	RailRoad Name	CANADIAN NATIONAL RAILWAY
312239A	USDOT Number	312239A
27.59	Located at Milepoint	27.59
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1995	Last Year Protection Upgraded	1995
40	Crossing Length	40
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.7 * 622592.13 / 60 * 25 * 1.1	\$485,103
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.7 * 2112 * 47.95 / 20 * 25	\$215,200
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.7 * 8716.36 / 60 * 25	\$6,174
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	40 * 1750 / 25 * 25	\$70,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$485,103 + \$215,200 + \$6,174 + \$350,000 + \$70,000	\$1,126,477

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-614-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO CSAH 37	Termini	CSAH 3 TO CSAH 37
60	Present AADT	60
2016	Year of Count	2016
1.1	Projection Factor	1.1
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1972	Latest Year SA funds	1972
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
90477	Structure Number	90477
1.59	Milepoint	1.59
1972	Year Built	1972
Stream	Feature Crossed	Stream
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
9	Culvert Width	9
5	Culvert Height	5
32	Culvert Length	32
69	Area of Waterway Opening	69
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 311296.07 / 60 * 25 * 1.1	\$285,355
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	32 * 69 * 18.01 / 100 * 25 * 1.15	\$11,433
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$285,355 + \$146,738 + \$0 + \$11,433	\$443,526

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-615-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.5	Segment Length	6.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 4 TO CSAH 2	Termini	CSAH 4 TO CSAH 2
155	Present AADT	155
2016	Year of Count	2016
1.1	Projection Factor	1.1
171	Projected Traffic	171
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 068-615-007 OL	Comments	2017 SAP 068-615-007 OL
2013 SAP 068-615-006 SEALCOAT		2013 SAP 068-615-006 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	6.5 * 622592.13 / 60 * 25 * 1.1	\$1,854,806
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.5 * 2112 * 47.95 / 20 * 25	\$822,822
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.5 * 8716.36 / 60 * 25	\$23,607
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,854,806 + \$822,822 + \$23,607	\$2,701,235

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-615-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 2 TO 2.0 MI SO OF TH 11	Termini	CSAH 2 TO 2.0 MI SO OF TH 11
260	Present AADT	260
2016	Year of Count	2016
1.1	Projection Factor	1.1
286	Projected Traffic	286
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 068-615-007 OL	Comments	2017 SAP 068-615-007 OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 622592.13 / 60 * 25 * 1.1	\$856,064
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 47.95 / 20 * 25	\$379,764
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 8716.36 / 60 * 25	\$10,895
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$856,064 + \$379,764 + \$10,895	\$1,246,723

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-615-030

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
2.0 MILES SOUTH TO TH 11	Termini	2.0 MILES SOUTH TO TH 11
550	Present AADT	550
2016	Year of Count	2016
1.1	Projection Factor	1.1
605	Projected Traffic	605
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 068-615-007 OL	Comments	2017 SAP 068-615-007 OL
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
MINNESOTA NORTHERN RAILROAD, INC.	RailRoad Name	MINNESOTA NORTHERN RAILROAD, INC.
062398P	USDOT Number	062398P
1.9	Located at Milepoint	1.9
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
32	Crossing Length	32
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 622592.13 / 60 * 25 * 1.1	\$570,709
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.95 / 20 * 25	\$253,176
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 8716.36 / 60 * 25	\$7,264
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	32 * 1750 / 25 * 25	\$56,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$570,709 + \$253,176 + \$7,264 + \$2,000 + \$56,000	\$889,149

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-616-010

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 10 TO CSAH 3	Termini	CSAH 10 TO CSAH 3
30	Present AADT	30
2016	Year of Count	2016
1.1	Projection Factor	1.1
33	Projected Traffic	33
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.8 * 311296.07 / 60 * 25 * 1.1	\$684,851
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.8 * 546 * 10.75 / 2 * 25	\$352,170
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.8 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$684,851 + \$352,170 + \$0	\$1,037,021

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-616-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO TH 89	Termini	CSAH 3 TO TH 89
60	Present AADT	60
2016	Year of Count	2016
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	

Culvert Information

Status: Original

Original		Current
68J37	Structure Number	68J37
14.84	Milepoint	14.84
2007	Year Built	2007
WEST INTERCEPTOR	Feature Crossed	WEST INTERCEPTOR
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
6	Culvert Height	6
102	Culvert Length	102
120.00026276	Area of Waterway Opening	120.00026276
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 311296.07 / 60 * 25 * 1.1	\$570,709
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 546 * 10.75 / 2 * 25	\$293,475
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	102 * 120.00026276 * 18.01 / 100 * 25 * 1.15	\$63,377
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$570,709 + \$293,475 + \$0 + \$63,377	\$927,561

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-616-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 89 TO TH 310	Termini	TH 89 TO TH 310
420	Present AADT	420
2016	Year of Count	2016
1.1	Projection Factor	1.1
462	Projected Traffic	462
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 068-616-008 OL	Comments	2017 SAP 068-616-008 OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7 * 622592.13 / 60 * 25 * 1.1	\$1,997,483
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 47.95 / 20 * 25	\$886,116
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 8716.36 / 60 * 25	\$25,423
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,997,483 + \$886,116 + \$25,423	\$2,909,022

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-617-010

Original		Current
ROOSEVELT	Municipality	ROOSEVELT
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 11 TO N 0.2 MILES	Termini	TH 11 TO N 0.2 MILES
310	Present AADT	310
2016	Year of Count	2016
1.1	Projection Factor	1.1
341	Projected Traffic	341
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN NATIONAL RAILWAY	RailRoad Name	CANADIAN NATIONAL RAILWAY
312209H	USDOT Number	312209H
0.1	Located at Milepoint	0.1
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1983	Last Year Protection Upgraded	1983
40	Crossing Length	40
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 622592.13 / 60 * 25 * 1.1	\$57,071
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 47.95 / 20 * 25	\$25,318
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 8716.36 / 60 * 25	\$726
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	40 * 1750 / 25 * 25	\$70,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$57,071 + \$25,318 + \$726 + \$350,000 + \$70,000	\$503,115

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-617-015

Original		Current
ROOSEVELT	Municipality	ROOSEVELT
0.87	Segment Length	0.87
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N OFTH 11 0.2 MI TO N LIM ROOSEVELT	Termini	N OFTH 11 0.2 MI TO N LIM ROOSEVELT
310	Present AADT	310
2016	Year of Count	2016
1.1	Projection Factor	1.1
341	Projected Traffic	341
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	0.87 * 622592.13 / 60 * 25 * 1.1	\$248,259
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.87 * 2112 * 47.95 / 20 * 25	\$110,132
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.87 * 8716.36 / 60 * 25	\$3,160
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$248,259 + \$110,132 + \$3,160	\$361,551

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-617-020

Original	Current
Unassigned/Unknown	Unassigned/Unknown
2.5	2.5
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
N LIM ROOSEVELT TO 2.5 MI N	N LIM ROOSEVELT TO 2.5 MI N
310	310
2016	2016
1.1	1.1
341	341
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2014	2014
0	0
No Special Message	No Special Message
2014 SP 068-617-006, 068-617-007 RECONST W/ CULVERT 68J47	2014 SP 068-617-006, 068-617-007 RECONST W/ CULVERT 68J47
	Interchange Override
	Segment Override

Culvert Information

Status: Original

Original	Current
68J47	68J47
2.73	2.73
2014	2014
STREAM	STREAM
STREAM CROSSING	STREAM CROSSING
1	1
14	14
8	8
64	64
112	112
100%	100%
2014 SP 068-617-007 RECONST W/ CULVERT 68J47	2014 SP 068-617-007 RECONST W/ CULVERT 68J47
1	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 * 622592.13 / 60 * 25 * 1.1	\$713,387
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 2112 * 47.95 / 20 * 25	\$316,470
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 8716.36 / 60 * 25	\$9,080
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 112 * 18.01 / 100 * 25 * 1.15	\$37,115

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$713,387 + \$316,470 + \$9,080 + \$37,115	\$1,076,052
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SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	ROSEAU	Segment Nbr : 068-618-010
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.5	Segment Length	4.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 89 (3 MI N OF S CO. LINE) TO 3.5 MI W OF CSAH 9	Termini	TH 89 (3 MI N OF S CO. LINE) TO 3.5 MI W OF CSAH 9
60	Present AADT	60
2016	Year of Count	2016
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	

Culvert Information		Status: Original
Original	Current	
68J03	Structure Number	68J03
0.87	Milepoint	0.87
1996	Year Built	1996
S FK ROSEAU RIVER	Feature Crossed	S FK ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Barrels	3
12.8	Culvert Width	12.8
7.25	Culvert Height	7.25
50	Culvert Length	50
243.00042445	Area of Waterway Opening	243.00042445
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
92165	Structure Number	92165
4.44	Milepoint	4.44
1973	Year Built	1973
S FK ROSEAU RIVER	Feature Crossed	S FK ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
12.8	Culvert Width	12.8
8	Culvert Height	8
48	Culvert Length	48
164	Area of Waterway Opening	164
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
93538	Structure Number	93538

2.42	Milepoint	2.42
1981	Year Built	1981
S FK ROSEAU RIVER	Feature Crossed	S FK ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
14	Culvert Width	14
9	Culvert Height	9
50	Culvert Length	50
198	Area of Waterway Opening	198
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$4.5 * 311296.07 / 60 * 25 * 1.1$	\$642,048
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$4.5 * 546 * 10.75 / 2 * 25$	\$330,159
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$4.5 * 0 / 60 * 25$	\$0
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$50 * 243.00042445 * 18.01 / 100 * 25 * 1.15$	\$62,911
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$48 * 164 * 18.01 / 100 * 25 * 1.15$	\$40,760
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$50 * 198 * 18.01 / 100 * 25 * 1.15$	\$51,261
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert + Culvert	$\$642,048 + \$330,159 + \$0 + \$62,911 + \$40,760 + \$51,261$	\$1,127,139

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-618-011

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.5	Segment Length	3.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3.5 MI W TO CSAH 9	Termini	3.5 MI W TO CSAH 9
60	Present AADT	60
2016	Year of Count	2016
1.1	Projection Factor	1.1
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1980	Latest Year SA funds	1980
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.5 * 311296.07 / 60 * 25 * 1.1	\$499,371
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.5 * 546 * 10.75 / 2 * 25	\$256,791
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.5 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$499,371 + \$256,791 + \$0	\$756,162

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-618-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
8	Segment Length	8
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 9 TO CSAH 19	Termini	CSAH 9 TO CSAH 19
60	Present AADT	60
2016	Year of Count	2016
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	8 * 311296.07 / 60 * 25 * 1.1	\$1,141,419
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8 * 546 * 10.75 / 2 * 25	\$586,950
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$1,141,419 + \$586,950 + \$0	\$1,728,369

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-619-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 9 TO CSAH 18	Termini	CSAH 9 TO CSAH 18
105	Present AADT	105
2016	Year of Count	2016
1.1	Projection Factor	1.1
116	Projected Traffic	116
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92224	Structure Number	92224
6.93	Milepoint	6.93
1967	Year Built	1967
County Ditch 21	Feature Crossed	County Ditch 21
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
7	Culvert Height	7
84	Culvert Length	84
64	Area of Waterway Opening	64
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
93636	Structure Number	93636
5.79	Milepoint	5.79
1983	Year Built	1983
STREAM	Feature Crossed	STREAM
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
64	Culvert Length	64
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

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$7 * 311296.07 / 60 * 25 * 1.1$	\$998,742
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$7 * 546 * 10.75 / 2 * 25$	\$513,581
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$7 * 0 / 60 * 25$	\$0
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$84 * 64 * 18.01 / 100 * 25 * 1.15$	\$27,836
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$64 * 51.00043459 * 18.01 / 100 * 25 * 1.15$	\$16,901
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert	$\$998,742 + \$513,581 + \$0$ $+ \$27,836 + \$16,901$	\$1,557,060

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-620-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 89 TO 1 MILE EAST	Termini	TH 89 TO 1 MILE EAST
235	Present AADT	235
2016	Year of Count	2016
1.1	Projection Factor	1.1
259	Projected Traffic	259
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 068-030-003 SEALCOAT	Comments	2016 SAP 068-030-003 SEALCOAT
2013 SAP 068-620-008 M&OL BIT. OVERLAY 2013		2013 SAP 068-620-008 M&OL BIT. OVERLAY 2013
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68525	Structure Number	68525
0.32	Milepoint	0.32
1990	Year Built	1990
S FK ROSEAU RIVER	Feature Crossed	S FK ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
133	Bridge Length	133
36	Bridge Width	36
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 622592.13 / 60 * 25 * 1.1	\$285,355
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 47.95 / 20 * 25	\$126,588
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 8716.36 / 60 * 25	\$3,632
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	133 * 36 * 173 / 80 * 25 * 1.15	\$297,679
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$285,355 + \$126,588 + \$3,632 + \$297,679	\$713,254

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-620-020

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
1 MILE EAST OF TH 89 TO CSAH 9	Termini	1 MILE EAST OF TH 89 TO CSAH 9
235	Present AADT	235
2016	Year of Count	2016
1.1	Projection Factor	1.1
259	Projected Traffic	259
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 068-030-003 SEALCOAT	Comments	2016 SAP 068-030-003 SEALCOAT
2013 SAP 068-620-008 M&OL BIT. OVERLAY 2013		2013 SAP 068-620-008 M&OL BIT. OVERLAY 2013
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68523	Structure Number	68523
4.54	Milepoint	4.54
1991	Year Built	1991
ROSEAU RIVER	Feature Crossed	ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
84	Bridge Length	84
36	Bridge Width	36
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 622592.13 / 60 * 25 * 1.1	\$1,426,774
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.95 / 20 * 25	\$632,940
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 8716.36 / 60 * 25	\$18,159
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	84 * 36 * 173 / 80 * 25 * 1.15	\$188,008
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,426,774 + \$632,940 + \$18,159 + \$188,008	\$2,265,881

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-621-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.17	Segment Length	7.17
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 20 TO 0.53 S of CSAH 2	Termini	CSAH 20 TO 0.53 S of CSAH 2
125	Present AADT	125
2016	Year of Count	2016
1.1	Projection Factor	1.1
138	Projected Traffic	138
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93193	Structure Number	93193
0.34	Milepoint	0.34
1976	Year Built	1976
SUCKER CREEK	Feature Crossed	SUCKER CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
6	Culvert Width	6
4	Culvert Height	4
42	Culvert Length	42
35	Area of Waterway Opening	35
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7.17 * 311296.07 / 60 * 25 * 1.1	\$1,022,997
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.17 * 546 * 10.75 / 2 * 25	\$526,054
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.17 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	42 * 35 * 18.01 / 100 * 25 * 1.15	\$7,611
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$1,022,997 + \$526,054 + \$0 + \$7,611	\$1,556,662

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-621-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.53	Segment Length	0.53
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.53 S of CSAH 2 to CSAH 2	Termini	0.53 S of CSAH 2 to CSAH 2
125	Present AADT	125
2016	Year of Count	2016
1.1	Projection Factor	1.1
138	Projected Traffic	138
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 068-621-007 Bit OL	Comments	2017 SAP 068-621-007 Bit 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	0.53 * 622592.13 / 60 * 25 * 1.1	\$151,238
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.53 * 2112 * 47.95 / 20 * 25	\$67,092
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.53 * 8716.36 / 60 * 25	\$1,925
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$151,238 + \$67,092 + \$1,925	\$220,255

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-622-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8.1	Segment Length	8.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 32 TO CSAH 3	Termini	TH 32 TO CSAH 3
205	Present AADT	205
2016	Year of Count	2016
1.1	Projection Factor	1.1
226	Projected Traffic	226
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 068-622-005 SEALCOAT	Comments	2013 SAP 068-622-005 SEALCOAT
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
97393	Structure Number	97393
0.98	Milepoint	0.98
1994	Year Built	1994
STATE DITCH # 91, LAT #1	Feature Crossed	STATE DITCH # 91, LAT #1
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Barrels	3
14	Culvert Width	14
8	Culvert Height	8
56	Culvert Length	56
245.00035707	Area of Waterway Opening	245.00035707
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	8.1 * 622592.13 / 60 * 25 * 1.1	\$2,311,373
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8.1 * 2112 * 47.95 / 20 * 25	\$1,025,363
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8.1 * 8716.36 / 60 * 25	\$29,418
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	56 * 245.00035707 * 18.01 / 100 * 25 * 1.15	\$71,041
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,311,373 + \$1,025,363 + \$29,418 + \$71,041	\$3,437,195

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-623-009

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 6 TO 1.0 MI NO	Termini	CSAH 6 TO 1.0 MI NO
65	Present AADT	65
2016	Year of Count	2016
1.1	Projection Factor	1.1
72	Projected Traffic	72
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 311296.07 / 60 * 25 * 1.1	\$142,677
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 546 * 10.75 / 2 * 25	\$73,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$142,677 + \$73,369 + \$0	\$216,046

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-623-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.1	Segment Length	4.1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.0 MI NO OF CSAH 6 TO 1.0 MI NO C R 106	Termini	1.0 MI NO OF CSAH 6 TO 1.0 MI NO C R 106
65	Present AADT	65
2016	Year of Count	2016
1.1	Projection Factor	1.1
72	Projected Traffic	72
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1978	Latest Year SA funds	1978
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$4.1 * 311296.07 / 60 * 25 * 1.1$	\$584,977
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$4.1 * 546 * 10.75 / 2 * 25$	\$300,812
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$4.1 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	\$584,977 + \$300,812 + \$0	\$885,789

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-623-011

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.6	Segment Length	0.6
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.0 MI NO OF CR 106 TO 0.7 M S OF TH 11	Termini	1.0 MI NO OF CR 106 TO 0.7 M S OF TH 11
65	Present AADT	65
2016	Year of Count	2016
1.1	Projection Factor	1.1
72	Projected Traffic	72
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1967	Latest Year SA funds	1967
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.6 * 311296.07 / 60 * 25 * 1.1$	\$85,606
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.6 * 546 * 10.75 / 2 * 25$	\$44,021
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.6 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	\$85,606 + \$44,021 + \$0	\$129,627

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-623-015

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
0.7 M TO 0.4 M S OF TH 11	Termini	0.7 M TO 0.4 M S OF TH 11
65	Present AADT	65
2016	Year of Count	2016
1.1	Projection Factor	1.1
72	Projected Traffic	72
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68515	Structure Number	68515
5.91	Milepoint	5.91
1967	Year Built	1967
S BR TWO RIVERS	Feature Crossed	S BR TWO RIVERS
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
93.3	Bridge Length	93.3
31.4	Bridge Width	31.4
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.3 * 622592.13 / 60 * 25 * 1.1	\$85,606
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 47.95 / 20 * 25	\$37,976
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 8716.36 / 60 * 25	\$1,090
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	93.3 * 31.4 * 173 / 80 * 25 * 1.15	\$182,140
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$85,606 + \$37,976 + \$1,090 + \$182,140	\$306,812

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-623-018

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.4 M S TO TH 11	Termini	0.4 M S TO TH 11
65	Present AADT	65
2016	Year of Count	2016
1.1	Projection Factor	1.1
72	Projected Traffic	72
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1967	Latest Year SA funds	1967
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.4 * 311296.07 / 60 * 25 * 1.1	\$57,071
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 546 * 10.75 / 2 * 25	\$29,348
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$57,071 + \$29,348 + \$0	\$86,419

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-623-020

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
TH 11 TO CSAH 4	Termini	TH 11 TO CSAH 4
60	Present AADT	60
2016	Year of Count	2016
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	2.6 * 311296.07 / 60 * 25 * 1.1	\$370,961
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	\$370,961 + \$190,759 + \$0	\$561,720

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-623-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.3	Segment Length	1.3
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 4 TO 1 MI S OF CR 102	Termini	CSAH 4 TO 1 MI S OF CR 102
60	Present AADT	60
2016	Year of Count	2016
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	

Culvert Information

Status: Original

Original		Current
88357	Structure Number	88357
9.89	Milepoint	9.89
1960	Year Built	1960
State Ditch 95	Feature Crossed	State Ditch 95
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
11	Culvert Width	11
7	Culvert Height	7
40	Culvert Length	40
61.00009769	Area of Waterway Opening	61.00009769
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.3 * 311296.07 / 60 * 25 * 1.1	\$185,481
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.3 * 546 * 10.75 / 2 * 25	\$95,379
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.3 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	40 * 61.00009769 * 18.01 / 100 * 25 * 1.15	\$12,634
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$185,481 + \$95,379 + \$0 + \$12,634	\$293,494

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-623-031

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 MI S OF CR 102 TO CR 102	Termini	1 MI S OF CR 102 TO CR 102
60	Present AADT	60
2016	Year of Count	2016
1.1	Projection Factor	1.1
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
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
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 311296.07 / 60 * 25 * 1.1	\$142,677
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 546 * 10.75 / 2 * 25	\$73,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$142,677 + \$73,369 + \$0	\$216,046

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-623-040

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
CO RD 102 TO 1.0 MI S OF CO RD 101	Termini	CO RD 102 TO 1.0 MI S OF CO RD 101
60	Present AADT	60
2016	Year of Count	2016
1.1	Projection Factor	1.1
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
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
93982	Structure Number	93982
12.38	Milepoint	12.38
1988	Year Built	1988
STATE DITCH # 95,BR4,LAT	Feature Crossed	STATE DITCH # 95,BR4,LAT
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
54	Culvert Length	54
51.00043459	Area of Waterway Opening	51.00043459
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 311296.07 / 60 * 25 * 1.1	\$285,355
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 51.00043459 * 18.01 / 100 * 25 * 1.15	\$14,260
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$285,355 + \$146,738 + \$0 + \$14,260	\$446,353

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-623-045

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
FROM 1.0 MI S OF COUNTY ROAD 101 TO COUNTY ROAD 101	Termini	FROM 1.0 MI S OF COUNTY ROAD 101 TO COUNTY ROAD 101
60	Present AADT	60
2016	Year of Count	2016
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	

Culvert Information

Status: Original

Original		Current
93160	Structure Number	93160
14.38	Milepoint	14.38
1975	Year Built	1975
State Ditch 95	Feature Crossed	State Ditch 95
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
11.5	Culvert Width	11.5
7.25	Culvert Height	7.25
48	Culvert Length	48
66	Area of Waterway Opening	66
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 311296.07 / 60 * 25 * 1.1	\$142,677
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 546 * 10.75 / 2 * 25	\$73,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	48 * 66 * 18.01 / 100 * 25 * 1.15	\$16,404
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$142,677 + \$73,369 + \$0 + \$16,404	\$232,450

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-623-050

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
COUNTY ROAD 101 TO CSAH 7	Termini	COUNTY ROAD 101 TO CSAH 7
105	Present AADT	105
2016	Year of Count	2016
1.1	Projection Factor	1.1
116	Projected Traffic	116
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 311296.07 / 60 * 25 * 1.1	\$713,387
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 546 * 10.75 / 2 * 25	\$366,844
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$713,387 + \$366,844 + \$0	\$1,080,231

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-624-010

Original		Current
ROSEAU	Municipality	ROSEAU
0.83	Segment Length	0.83
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 11 AT ROSEAU TO ROSEAU PARK ENT.	Termini	TH 11 AT ROSEAU TO ROSEAU PARK ENT.
1550	Present AADT	1550
2016	Year of Count	2016
1.1	Projection Factor	1.1
1705	Projected Traffic	1705
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-624-006 OL	Comments	2015 SAP 068-624-006 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	0.83 * 1098967.83 / 60 * 25 * 1.1	\$418,066
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.83 * 2376 * 47.95 / 20 * 25	\$118,202
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.83 * 82442.62 / 60 * 25	\$28,511
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$418,066 + \$118,202 + \$28,511	\$564,779

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-624-020

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
ROSEAU PARK ENT. TO 0.9 MILE WEST OF CSAH 28	Termini	ROSEAU PARK ENT. TO 0.9 MILE WEST OF CSAH 28
610	Present AADT	610
2016	Year of Count	2016
1.1	Projection Factor	1.1
671	Projected Traffic	671
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-624-006 OL	Comments	2015 SAP 068-624-006 OL
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68540	Structure Number	68540
0.89	Milepoint	0.89
2009	Year Built	2009
Roseau Diversion	Feature Crossed	Roseau Diversion
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
225.9	Bridge Length	225.9
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	0.3 * 622592.13 / 60 * 25 * 1.1	\$85,606
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 47.95 / 20 * 25	\$37,976
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 8716.36 / 60 * 25	\$1,090
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	225.9 * 43.3 * 141 / 80 * 25 * 1.15	\$495,645
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$85,606 + \$37,976 + \$1,090 + \$495,645	\$620,317

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-624-030

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 MILE WEST OF CSAH 28 TO CSAH 28	Termini	0.9 MILE WEST OF CSAH 28 TO CSAH 28
610	Present AADT	610
2016	Year of Count	2016
1.1	Projection Factor	1.1
671	Projected Traffic	671
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-624-006 OL	Comments	2015 SAP 068-624-006 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 * 622592.13 / 60 * 25 * 1.1	\$256,819
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.9 * 2112 * 47.95 / 20 * 25	\$113,929
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.9 * 8716.36 / 60 * 25	\$3,269
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$256,819 + \$113,929 + \$3,269	\$374,017

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-625-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 8 TO 2.0 MI N	Termini	CSAH 8 TO 2.0 MI N
60	Present AADT	60
2016	Year of Count	2016
1.1	Projection Factor	1.1
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1982	Latest Year SA funds	1982
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
93341	Structure Number	93341
1.95	Milepoint	1.95
1978	Year Built	1978
STATE DITCH # 91;LAT 5	Feature Crossed	STATE DITCH # 91;LAT 5
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10.2	Culvert Width	10.2
6.4	Culvert Height	6.4
52	Culvert Length	52
103	Area of Waterway Opening	103
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 311296.07 / 60 * 25 * 1.1	\$285,355
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 546 * 10.75 / 2 * 25	\$146,738
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	52 * 103 * 18.01 / 100 * 25 * 1.15	\$27,733
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$285,355 + \$146,738 + \$0 + \$27,733	\$459,826

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-625-011

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.0 MI N CSAH 8 TO CSAH 22	Termini	2.0 MI N CSAH 8 TO CSAH 22
60	Present AADT	60
2016	Year of Count	2016
1.1	Projection Factor	1.1
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED UNDER PLAN # 68-625-006	Comments	RECONSTRUCTED UNDER PLAN # 68-625-006
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 311296.07 / 60 * 25 * 1.1	\$142,677
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 546 * 10.75 / 2 * 25	\$73,369
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$142,677 + \$73,369 + \$0	\$216,046

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-625-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 22 TO CSAH 4	Termini	CSAH 22 TO CSAH 4
60	Present AADT	60
2016	Year of Count	2016
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	

Culvert Information

Status: Original

Original		Current
93159	Structure Number	93159
3.95	Milepoint	3.95
1975	Year Built	1975
STATE DITCH # 91,LAT 4	Feature Crossed	STATE DITCH # 91,LAT 4
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
36	Culvert Length	36
66	Area of Waterway Opening	66
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 311296.07 / 60 * 25 * 1.1	\$570,709
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 546 * 10.75 / 2 * 25	\$293,475
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	36 * 66 * 18.01 / 100 * 25 * 1.15	\$12,303
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$570,709 + \$293,475 + \$0 + \$12,303	\$876,487

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-626-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.1	Segment Length	6.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 7 TO CR 139	Termini	CSAH 7 TO CR 139
115	Present AADT	115
2016	Year of Count	2016
1.1	Projection Factor	1.1
127	Projected Traffic	127
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SURFACED 2008, SAP 68-626-006	Comments	SURFACED 2008, SAP 68-626-006
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93675	Structure Number	93675
5.09	Milepoint	5.09
1983	Year Built	1983
State Ditch 69	Feature Crossed	State Ditch 69
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
56	Culvert Length	56
38	Area of Waterway Opening	38
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.1 * 622592.13 / 60 * 25 * 1.1	\$1,740,664
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.1 * 2112 * 47.95 / 20 * 25	\$772,187
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.1 * 8716.36 / 60 * 25	\$22,154
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	56 * 38 * 18.01 / 100 * 25 * 1.15	\$11,019
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,740,664 + \$772,187 + \$22,154 + \$11,019	\$2,546,024

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-626-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 27 TO TH 11	Termini	CSAH 27 TO TH 11
130	Present AADT	130
2016	Year of Count	2016
1.1	Projection Factor	1.1
143	Projected Traffic	143
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	

Segment Cost Information

Computation Factor	Computation 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 * 622592.13 / 60 * 25 * 1.1	\$1,141,419
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 47.95 / 20 * 25	\$506,352
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 8716.36 / 60 * 25	\$14,527
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,141,419 + \$506,352 + \$14,527	\$1,662,298

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-628-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.5	Segment Length	4.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 310 TO 0.5 MI N OF TH 11	Termini	TH 310 TO 0.5 MI N OF TH 11
235	Present AADT	235
2016	Year of Count	2016
1.1	Projection Factor	1.1
259	Projected Traffic	259
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68502	Structure Number	68502
1.7	Milepoint	1.7
1962	Year Built	1962
Roseau River	Feature Crossed	Roseau River
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
160	Bridge Length	160
26.2	Bridge Width	26.2
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Bridge Information

Status: Original

Original		Current
93068	Structure Number	93068
2.5	Milepoint	2.5
1975	Year Built	1975
Hay Creek	Feature Crossed	Hay Creek
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
60	Bridge Length	60
28	Bridge Width	28
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	$4.5 * 622592.13 / 60 * 25 * 1.1$	\$1,284,096
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	$4.5 * 2112 * 47.95 / 20 * 25$	\$569,646
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	$4.5 * 8716.36 / 60 * 25$	\$16,343
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	$160 * 26.2 * 141 / 80 * 25 * 1.15$	\$212,417
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	$60 * 28 * 173 / 80 * 25 * 1.15$	\$104,449
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Bridge	$\$0 + \$1,284,096 + \$569,646 + \$16,343 + \$212,417 + \$104,449$	\$2,186,951

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-628-015

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.5 MI N OF TH 11 TO TH 11	Termini	0.5 MI N OF TH 11 TO TH 11
235	Present AADT	235
2016	Year of Count	2016
1.1	Projection Factor	1.1
259	Projected Traffic	259
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
RECONSTRUCTED 2009, SAP 68-628-002	Comments	RECONSTRUCTED 2009, SAP 68-628-002
	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	0.5 * 622592.13 / 60 * 25 * 1.1	\$142,677
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.95 / 20 * 25	\$63,294
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 8716.36 / 60 * 25	\$1,816
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$142,677 + \$63,294 + \$1,816	\$207,787

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-628-020

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
TH 11 TO CSAH 2	Termini	TH 11 TO CSAH 2
650	Present AADT	650
2016	Year of Count	2016
1.1	Projection Factor	1.1
715	Projected Traffic	715
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2009	Latest Year SA funds	2009
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2009 OVERLAY, SAP 68-628-004	Comments	2009 OVERLAY, SAP 68-628-004
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93646	Structure Number	93646
7.35	Milepoint	7.35
1983	Year Built	1983
Cow Creek	Feature Crossed	Cow Creek
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10.2	Culvert Width	10.2
6.5	Culvert Height	6.5
72	Culvert Length	72
103	Area of Waterway Opening	103
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 * 622592.13 / 60 * 25 * 1.1	\$1,426,774
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.95 / 20 * 25	\$632,940
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 8716.36 / 60 * 25	\$18,159
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	72 * 103 * 18.01 / 100 * 25 * 1.15	\$38,399
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,426,774 + \$632,940 + \$18,159 + \$38,399	\$2,116,272

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-629-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.9	Segment Length	3.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 8 TO 1.8 MI N OF CR 106	Termini	CSAH 8 TO 1.8 MI N OF CR 106
75	Present AADT	75
2016	Year of Count	2016
1.1	Projection Factor	1.1
83	Projected Traffic	83
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
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
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.9 * 311296.07 / 60 * 25 * 1.1	\$556,442
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.9 * 546 * 10.75 / 2 * 25	\$286,138
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.9 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$556,442 + \$286,138 + \$0	\$842,580

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-629-011

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
1.8 MI N OF CR 106 TO TH 11	Termini	1.8 MI N OF CR 106 TO TH 11
75	Present AADT	75
2016	Year of Count	2016
1.1	Projection Factor	1.1
83	Projected Traffic	83
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1968	Latest Year SA funds	1968
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68516	Structure Number	68516
4.36	Milepoint	4.36
1968	Year Built	1968
S BR TWO RIVERS	Feature Crossed	S BR TWO RIVERS
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
93.2	Bridge Length	93.2
32.2	Bridge Width	32.2
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.8 * 311296.07 / 60 * 25 * 1.1	\$114,142
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 546 * 10.75 / 2 * 25	\$58,695
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 0 / 60 * 25	\$0
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	93.2 * 32.2 * 173 / 80 * 25 * 1.15	\$186,580
Total Segment Cost	Construction + Preservation + ROW + Bridge	\$114,142 + \$58,695 + \$0 + \$186,580	\$359,417

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-631-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 2 TO TH 11	Termini	CSAH 2 TO TH 11
280	Present AADT	280
2016	Year of Count	2016
1.1	Projection Factor	1.1
308	Projected Traffic	308
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2009	Latest Year SA funds	2009
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2009 OVERLAY, SAP 68-631-004	Comments	2009 OVERLAY, SAP 68-631-004
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93689	Structure Number	93689
2.49	Milepoint	2.49
1984	Year Built	1984
CO DITCH # 11,LAT # 1	Feature Crossed	CO DITCH # 11,LAT # 1
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
11.5	Culvert Width	11.5
7.25	Culvert Height	7.25
50	Culvert Length	50
66	Area of Waterway Opening	66
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 * 622592.13 / 60 * 25 * 1.1	\$1,426,774
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.95 / 20 * 25	\$632,940
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 8716.36 / 60 * 25	\$18,159
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	50 * 66 * 18.01 / 100 * 25 * 1.15	\$17,087
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,426,774 + \$632,940 + \$18,159 + \$17,087	\$2,094,960

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-633-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 8 TO CSAH 4	Termini	CSAH 8 TO CSAH 4
55	Present AADT	55
2016	Year of Count	2016
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	3 * 311296.07 / 60 * 25 * 1.1	\$428,032
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 546 * 10.75 / 2 * 25	\$220,106
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$428,032 + \$220,106 + \$0	\$648,138

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-633-020

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
CSAH 4 TO CR 130	Termini	CSAH 4 TO CR 130
125	Present AADT	125
2016	Year of Count	2016
1.1	Projection Factor	1.1
138	Projected Traffic	138
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1984	Latest Year SA funds	1984
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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 * 311296.07 / 60 * 25 * 1.1	\$485,103
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	\$485,103 + \$249,454 + \$0	\$734,557

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-633-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CR 130 TO TH 89	Termini	CR 130 TO TH 89
125	Present AADT	125
2016	Year of Count	2016
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	0.5 * 311296.07 / 60 * 25 * 1.1	\$71,339
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 546 * 10.75 / 2 * 25	\$36,684
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$71,339 + \$36,684 + \$0	\$108,023

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	ROSEAU	Segment Nbr : 068-634-010
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.8	Segment Length	4.8
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 11 TO CSAH 17	Termini	TH 11 TO CSAH 17
275	Present AADT	275
2016	Year of Count	2016
1.1	Projection Factor	1.1
303	Projected Traffic	303
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 068-634-005 SEALCOAT	Comments	2014 SAP 068-634-005 SEALCOAT
RESURF UNDER SAP 68-634-01 & 02 NOT PAVED YET.		RESURF UNDER SAP 68-634-01 & 02 NOT PAVED YET.
SAP 68-634-04, 2007		SAP 68-634-04, 2007
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
68J22	Structure Number	68J22
4.3	Milepoint	4.3
2005	Year Built	2005
WILLOW CREEK	Feature Crossed	WILLOW CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10.2	Culvert Width	10.2
6.5	Culvert Height	6.5
74	Culvert Length	74
104	Area of Waterway Opening	104
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
93326	Structure Number	93326
2.8	Milepoint	2.8
1978	Year Built	1978
CO DITCH # 26	Feature Crossed	CO DITCH # 26
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
69	Culvert Length	69
66	Area of Waterway Opening	66
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
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Original		Current
93648	Structure Number	93648
1.26	Milepoint	1.26
1983	Year Built	1983
CO DITCH # 26,LAT #1	Feature Crossed	CO DITCH # 26,LAT #1
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
72	Culvert Length	72
40	Area of Waterway Opening	40
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1
RailRoadCrossing Information		Status: Original

Original		Current
CANADIAN NATIONAL RAILWAY	RailRoad Name	CANADIAN NATIONAL RAILWAY
312217A	USDOT Number	312217A
0.1	Located at Milepoint	0.1
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
2005	Last Year Protection Upgraded	2005
40	Crossing Length	40
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.8 * 622592.13 / 60 * 25 * 1.1	\$1,369,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.8 * 2112 * 47.95 / 20 * 25	\$607,622
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.8 * 8716.36 / 60 * 25	\$17,433
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	74 * 104 * 18.01 / 100 * 25 * 1.15	\$39,849
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	69 * 66 * 18.01 / 100 * 25 * 1.15	\$23,580
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	72 * 40 * 18.01 / 100 * 25 * 1.15	\$14,912
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	40 * 1750 / 25 * 25	\$70,000

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + Culvert + RR Crossing Protection + RR Crossing Surface	\$0 + \$1,369,703 + \$607,622 + \$17,433 + \$39,849 + \$23,580 + \$14,912 + \$350,000 + \$70,000	\$2,493,099
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-635-005

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO CSAH 44	Termini	CSAH 12 TO CSAH 44
310	Present AADT	310
2016	Year of Count	2016
1.1	Projection Factor	1.1
341	Projected Traffic	341
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-635-007 SEALCOAT	Comments	2015 SAP 068-635-007 SEALCOAT
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68524	Structure Number	68524
2.54	Milepoint	2.54
1987	Year Built	1987
W BR WARROAD RIVER	Feature Crossed	W BR WARROAD RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
91	Bridge Length	91
35	Bridge Width	35
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 * 622592.13 / 60 * 25 * 1.1	\$570,709
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 47.95 / 20 * 25	\$253,176
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 8716.36 / 60 * 25	\$7,264
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	91 * 35 * 173 / 80 * 25 * 1.15	\$198,017
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$570,709 + \$253,176 + \$7,264 + \$198,017	\$1,029,166

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-635-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.7	Segment Length	3.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 44 TO TH 11	Termini	CSAH 44 TO TH 11
540	Present AADT	540
2016	Year of Count	2016
1.1	Projection Factor	1.1
594	Projected Traffic	594
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-635-007 SEALCOAT	Comments	2015 SAP 068-635-007 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	3.7 * 622592.13 / 60 * 25 * 1.1	\$1,055,812
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.7 * 2112 * 47.95 / 20 * 25	\$468,376
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.7 * 8716.36 / 60 * 25	\$13,438
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,055,812 + \$468,376 + \$13,438	\$1,537,626

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-635-020

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
0.5 MI W TO W LIM WARROAD	Termini	0.5 MI W TO W LIM WARROAD
670	Present AADT	670
2016	Year of Count	2016
1.1	Projection Factor	1.1
737	Projected Traffic	737
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 068-635-006 OL BIT. OVERLAY 2013	Comments	2013 SAP 068-635-006 OL BIT. OVERLAY 2013
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	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 * 622592.13 / 60 * 25 * 1.1	\$142,677
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.95 / 20 * 25	\$63,294
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 8716.36 / 60 * 25	\$1,816
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$142,677 + \$63,294 + \$1,816	\$207,787

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-635-030

Original

Current

WARROAD	Municipality	WARROAD
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
W LIM WARROAD TO 0.08 MI W OF PLEASANT AVE	Termini	W LIM WARROAD TO 0.08 MI W OF PLEASANT AVE
670	Present AADT	670
2016	Year of Count	2016
1.1	Projection Factor	1.1
737	Projected Traffic	737
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 068-635-009 M&OL	Comments	2018 SAP 068-635-009 M&OL
2015 SAP 068-635-008 SEALCOAT		2015 SAP 068-635-008 SEALCOAT
2013 SAP 068-635-006 OL BIT. OVERLAY 2013		2013 SAP 068-635-006 OL BIT. OVERLAY 2013
NEW HOUSING DEVELOPMENT ALONG THIS SEGMENT WILL REQUIRE A FUTURE URBAN DESIGN STANDARD.		NEW HOUSING DEVELOPMENT ALONG THIS SEGMENT WILL REQUIRE A FUTURE URBAN DESIGN STANDARD.
SEGMENT IS ADEQUATE & NOT ABLE TO ADD STORM SEWER & C & G UNTIL 25 YEAR REINSTATEMENT. DG		SEGMENT IS ADEQUATE & NOT ABLE TO ADD STORM SEWER & C & G UNTIL 25 YEAR REINSTATEMENT. DG

Interchange Override
Segment Override

Segment Cost Information

Computation Factor	Computation Formula	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 * 622592.13 / 60 * 25 * 1.1	\$68,485
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.24 * 2112 * 47.95 / 20 * 25	\$30,381
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.24 * 8716.36 / 60 * 25	\$872
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$68,485 + \$30,381 + \$872	\$99,738

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-635-031

Original		Current
WARROAD	Municipality	WARROAD
0.08	Segment Length	0.08
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.08 MI W TO PLEASANT AVE	Termini	0.08 MI W TO PLEASANT AVE
670	Present AADT	670
2016	Year of Count	2016
1.1	Projection Factor	1.1
737	Projected Traffic	737
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 068-635-009 M&OL	Comments	2018 SAP 068-635-009 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	0.08 * 622592.13 / 60 * 25 * 1.1	\$22,828
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2112 * 47.95 / 20 * 25	\$10,127
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 8716.36 / 60 * 25	\$291
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$22,828 + \$10,127 + \$291	\$33,246

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-635-040

Original

Current

WARROAD	Municipality	WARROAD
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
PLEASANT AVE TO CSAH 75	Termini	PLEASANT AVE TO CSAH 75
950	Present AADT	950
2016	Year of Count	2016
1.1	Projection Factor	1.1
1045	Projected Traffic	1045
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.21 * 2789799.78 / 60 * 25 * 1.15	\$280,724
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.21 * 2904 * 47.95 / 15 * 25	\$48,736
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.21 * 94238.2 / 60 * 25	\$8,246
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$280,724 + \$48,736 + \$8,246	\$337,706

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-637-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 2 TO CSAH 14	Termini	CSAH 2 TO CSAH 14
30	Present AADT	30
2016	Year of Count	2016
1.1	Projection Factor	1.1
33	Projected Traffic	33
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
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
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 311296.07 / 60 * 25 * 1.1	\$285,355
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	\$285,355 + \$146,738 + \$0	\$432,093

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-638-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO CSAH 8	Termini	CSAH 3 TO CSAH 8
20	Present AADT	20
2016	Year of Count	2016
1.1	Projection Factor	1.1
22	Projected Traffic	22
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 311296.07 / 60 * 25 * 1.1	\$570,709
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 546 * 10.75 / 2 * 25	\$293,475
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$570,709 + \$293,475 + \$0	\$864,184

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-642-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 2 TO ROOSEVELT CITY LIMITS	Termini	CSAH 2 TO ROOSEVELT CITY LIMITS
180	Present AADT	180
2016	Year of Count	2016
1.1	Projection Factor	1.1
198	Projected Traffic	198
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5 * 622592.13 / 60 * 25 * 1.1	\$1,426,774
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 47.95 / 20 * 25	\$632,940
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 8716.36 / 60 * 25	\$18,159
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,426,774 + \$632,940 + \$18,159	\$2,077,873

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-642-100

Original		Current
ROOSEVELT	Municipality	ROOSEVELT
0.57	Segment Length	0.57
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W CITY LIMITS ROOSEVELT TO .57 EAST	Termini	W CITY LIMITS ROOSEVELT TO .57 EAST
180	Present AADT	180
2016	Year of Count	2016
1.1	Projection Factor	1.1
198	Projected Traffic	198
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SPLIT SEGMENT FROM 2015 RECONSTRUCTION AREAS BECAUSE OF SURFACE TYPES	Comments	SPLIT SEGMENT FROM 2015 RECONSTRUCTION AREAS BECAUSE OF SURFACE TYPES
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	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 * 622592.13 / 60 * 25 * 1.1	\$162,652
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.57 * 2112 * 47.95 / 20 * 25	\$72,155
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.57 * 8716.36 / 60 * 25	\$2,070
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$162,652 + \$72,155 + \$2,070	\$236,877

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-642-110

Original		Current
ROOSEVELT	Municipality	ROOSEVELT
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
.57 EAST OF W CITY LIMITS TO .67 EAST	Termini	.57 EAST OF W CITY LIMITS TO .67 EAST
180	Present AADT	180
2016	Year of Count	2016
1.1	Projection Factor	1.1
198	Projected Traffic	198
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-642-001 RECONST RURAL & URBAN	Comments	2015 SAP 068-642-001 RECONST RURAL & URBAN
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	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 * 622592.13 / 60 * 25 * 1.1	\$28,535
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2112 * 47.95 / 20 * 25	\$12,659
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 8716.36 / 60 * 25	\$363
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$28,535 + \$12,659 + \$363	\$41,557

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-642-120

Original		Current
ROOSEVELT	Municipality	ROOSEVELT
0.13	Segment Length	0.13
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
.67 EAST OF W CITY LIMITS TO TH11	Termini	.67 EAST OF W CITY LIMITS TO TH11
180	Present AADT	180
2016	Year of Count	2016
1.1	Projection Factor	1.1
198	Projected Traffic	198
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-642-001 RECONST RURAL & URBAN	Comments	2015 SAP 068-642-001 RECONST RURAL & URBAN
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.13 * 2789799.78 / 60 * 25 * 1.15	\$173,781
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.13 * 2904 * 47.95 / 15 * 25	\$30,170
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.13 * 94238.2 / 60 * 25	\$5,105
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$173,781 + \$30,170 + \$5,105	\$209,056

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-643-010

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
CSAH 2 TO CSAH 12	Termini	CSAH 2 TO CSAH 12
110	Present AADT	110
2016	Year of Count	2016
1.1	Projection Factor	1.1
121	Projected Traffic	121
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	2.2 * 311296.07 / 60 * 25 * 1.1	\$313,890
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.2 * 546 * 10.75 / 2 * 25	\$161,411
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.2 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$313,890 + \$161,411 + \$0	\$475,301

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-644-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 5 TO CSAH 35	Termini	CSAH 5 TO CSAH 35
175	Present AADT	175
2016	Year of Count	2016
1.1	Projection Factor	1.1
193	Projected Traffic	193
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-644-002 SEALCOAT	Comments	2015 SAP 068-644-002 SEALCOAT
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93952	Structure Number	93952
0.4	Milepoint	0.4
1987	Year Built	1987
Bull Dog Run River	Feature Crossed	Bull Dog Run River
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
11.5	Culvert Width	11.5
7.25	Culvert Height	7.25
56	Culvert Length	56
66	Area of Waterway Opening	66
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	1 * 622592.13 / 60 * 25 * 1.1	\$285,355
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 47.95 / 20 * 25	\$126,588
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 8716.36 / 60 * 25	\$3,632
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	56 * 66 * 18.01 / 100 * 25 * 1.15	\$19,137
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$285,355 + \$126,588 + \$3,632 + \$19,137	\$434,712

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-645-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.1	Segment Length	1.1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 46 TO 1.1 MI NORTH	Termini	CSAH 46 TO 1.1 MI NORTH
240	Present AADT	240
2016	Year of Count	2016
1.1	Projection Factor	1.1
264	Projected Traffic	264
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	1.1 * 622592.13 / 60 * 25 * 1.1	\$313,890
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.1 * 2112 * 47.95 / 20 * 25	\$139,247
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.1 * 8716.36 / 60 * 25	\$3,995
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$313,890 + \$139,247 + \$3,995	\$457,132

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-645-050

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.9	Segment Length	0.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.1 MI NORTH OF CSAH 46 TO CSAH 13	Termini	1.1 MI NORTH OF CSAH 46 TO CSAH 13
240	Present AADT	240
2016	Year of Count	2016
1.1	Projection Factor	1.1
264	Projected Traffic	264
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	0.9 * 622592.13 / 60 * 25 * 1.1	\$256,819
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.9 * 2112 * 47.95 / 20 * 25	\$113,929
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.9 * 8716.36 / 60 * 25	\$3,269
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$256,819 + \$113,929 + \$3,269	\$374,017

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-646-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.2	Segment Length	1.2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 11 TO 1.2 MI EAST	Termini	TH 11 TO 1.2 MI EAST
200	Present AADT	200
2016	Year of Count	2016
1.1	Projection Factor	1.1
220	Projected Traffic	220
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-646-001 SEALCOAT	Comments	2015 SAP 068-646-001 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 * 622592.13 / 60 * 25 * 1.1	\$342,426
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.2 * 2112 * 47.95 / 20 * 25	\$151,906
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.2 * 8716.36 / 60 * 25	\$4,358
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$342,426 + \$151,906 + \$4,358	\$498,690

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-646-050

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
1.2 MI E OF TH 11 TO CSAH 35	Termini	1.2 MI E OF TH 11 TO CSAH 35
200	Present AADT	200
2016	Year of Count	2016
1.1	Projection Factor	1.1
220	Projected Traffic	220
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SAP 068-646-001 SEALCOAT	Comments	2015 SAP 068-646-001 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	0.7 * 622592.13 / 60 * 25 * 1.1	\$199,748
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.7 * 2112 * 47.95 / 20 * 25	\$88,612
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.7 * 8716.36 / 60 * 25	\$2,542
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$199,748 + \$88,612 + \$2,542	\$290,902

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-670-010

Original

Current

STRATHCONA	Municipality	STRATHCONA
0.07	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 32 TO 2ND ST (STRATHCONA)	Termini	TH 32 TO 2ND ST (STRATHCONA)
35	Present AADT	35
2016	Year of Count	2016
1.1	Projection Factor	1.1
39	Projected Traffic	39
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 2789799.78 / 60 * 25 * 1.15	\$93,575
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2904 * 47.95 / 15 * 25	\$16,245
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 94238.2 / 60 * 25	\$2,749
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$93,575 + \$16,245 + \$2,749	\$112,569

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-671-010

Original		Current
ROOSEVELT	Municipality	ROOSEVELT
0.43	Segment Length	0.43
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 11 TO CSAH 17 (ROOSEVELT)	Termini	TH 11 TO CSAH 17 (ROOSEVELT)
150	Present AADT	150
2016	Year of Count	2016
1.1	Projection Factor	1.1
165	Projected Traffic	165
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 068-671-001 M&OL	Comments	2018 SAP 068-671-001 M&OL
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN NATIONAL RAILWAY	RailRoad Name	CANADIAN NATIONAL RAILWAY
312211J	USDOT Number	312211J
0.04	Located at Milepoint	0.04
2	Mainline Tracks	2
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
30	Crossing Length	30
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	0.43 * 622592.13 / 60 * 25 * 1.1	\$122,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.43 * 2112 * 47.95 / 20 * 25	\$54,433
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.43 * 8716.36 / 60 * 25	\$1,562
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	30 * 1750 / 25 * 25	\$52,500
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$122,703 + \$54,433 + \$1,562 + \$2,000 + \$52,500	\$233,198

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-672-009

Original		Current
ROSEAU	Municipality	ROSEAU
1.12	Segment Length	1.12
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 11 THENCE SOUTH & EAST TO TH 89 (ROSEAU)	Termini	TH 11 THENCE SOUTH & EAST TO TH 89 (ROSEAU)
2500	Present AADT	2500
2016	Year of Count	2016
1.1	Projection Factor	1.1
2750	Projected Traffic	2750
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
RECONSTRUCTED UNDER SAP 68-672-06. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION	Comments	RECONSTRUCTED UNDER SAP 68-672-06. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.12 * 2789799.78 / 60 * 25 * 1.15	\$1,497,193
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.12 * 2904 * 47.95 / 15 * 25	\$259,927
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.12 * 94238.2 / 60 * 25	\$43,978
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,497,193 + \$259,927 + \$43,978	\$1,801,098

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-672-010

Original		Current
ROSEAU	Municipality	ROSEAU
0.18	Segment Length	0.18
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 89 TO 2ND AVE SW (ROSEAU)	Termini	TH 89 TO 2ND AVE SW (ROSEAU)
2500	Present AADT	2500
2016	Year of Count	2016
1.1	Projection Factor	1.1
2750	Projected Traffic	2750
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
RECONSTRUCTED UNDER SAP 68-672-06. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION	Comments	RECONSTRUCTED UNDER SAP 68-672-06. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.18 * 2789799.78 / 60 * 25 * 1.15	\$240,620
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.18 * 2904 * 47.95 / 15 * 25	\$41,774
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.18 * 94238.2 / 60 * 25	\$7,068
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$240,620 + \$41,774 + \$7,068	\$289,462

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-672-011

Original

Current

ROSEAU	Municipality	ROSEAU
0.13	Segment Length	0.13
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2ND AVE SW TO 2 AVE SE (ROSEAU)	Termini	2ND AVE SW TO 2 AVE SE (ROSEAU)
2500	Present AADT	2500
2016	Year of Count	2016
1.1	Projection Factor	1.1
2750	Projected Traffic	2750
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
RECONSTRUCTED UNDER SAP 68-672-06. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION	Comments	RECONSTRUCTED UNDER SAP 68-672-06. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.13 * 2789799.78 / 60 * 25 * 1.15	\$173,781
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.13 * 2904 * 47.95 / 15 * 25	\$30,170
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.13 * 94238.2 / 60 * 25	\$5,105
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$173,781 + \$30,170 + \$5,105	\$209,056

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-672-012

Original		Current
ROSEAU	Municipality	ROSEAU
0.11	Segment Length	0.11
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2ND AVE SE TO 3RD AVE NE (ROSEAU)	Termini	2ND AVE SE TO 3RD AVE NE (ROSEAU)
3350	Present AADT	3350
2016	Year of Count	2016
1.1	Projection Factor	1.1
3685	Projected Traffic	3685
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 068-672-008 BR DECK REHAB	Comments	2016 SAP 068-672-008 BR DECK REHAB
RECONSTRUCTED UNDER SAP 68-672-06. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION		RECONSTRUCTED UNDER SAP 68-672-06. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68520	Structure Number	68520
1.51	Milepoint	1.51
1971	Year Built	1971
ROSEAU RIVER	Feature Crossed	ROSEAU RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
165.2	Bridge Length	165.2
54	Bridge Width	54
100%	Shared Structure	100%
2016 SAP 068-672-008 BR DECK REHAB	Comments	2016 SAP 068-672-008 BR DECK REHAB
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	0.11 * 2789799.78 / 60 * 25 * 1.15	\$147,046
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.11 * 2904 * 47.95 / 15 * 25	\$25,529
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.11 * 94238.2 / 60 * 25	\$4,319

Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	165.2 * 54 * 141 / 80 * 25 * 1.15	\$452,034
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$147,046 + \$25,529 + \$4,319 + \$452,034	\$628,928

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-672-020

Original		Current
ROSEAU	Municipality	ROSEAU
0.59	Segment Length	0.59
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3RD AVE NE TO 11TH AVE NE (ROSEAU)	Termini	3RD AVE NE TO 11TH AVE NE (ROSEAU)
3350	Present AADT	3350
2016	Year of Count	2016
1.1	Projection Factor	1.1
3685	Projected Traffic	3685
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
RECONSTRUCTED UNDER SAP 68-672-06. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION	Comments	RECONSTRUCTED UNDER SAP 68-672-06. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.59 * 2789799.78 / 60 * 25 * 1.15	\$788,700
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.59 * 2904 * 47.95 / 15 * 25	\$136,926
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.59 * 94238.2 / 60 * 25	\$23,167
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$788,700 + \$136,926 + \$23,167	\$948,793

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-673-010

Original

Current

BADGER	Municipality	BADGER
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
TH 11 TO MAIN STREET (BADGER)	Termini	TH 11 TO MAIN STREET (BADGER)
130	Present AADT	130
2016	Year of Count	2016
1.1	Projection Factor	1.1
143	Projected Traffic	143
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
	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 * 622592.13 / 60 * 25 * 1.1	\$45,657
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.16 * 2112 * 47.95 / 20 * 25	\$20,254
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.16 * 8716.36 / 60 * 25	\$581
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$45,657 + \$20,254 + \$581	\$66,492

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-673-020

Original		Current
BADGER	Municipality	BADGER
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
MAIN ST SO TO CSAH 2 (BADGER)	Termini	MAIN ST SO TO CSAH 2 (BADGER)
440	Present AADT	440
2016	Year of Count	2016
1.1	Projection Factor	1.1
484	Projected Traffic	484
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	0.5 * 622592.13 / 60 * 25 * 1.1	\$142,677
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 47.95 / 20 * 25	\$63,294
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 8716.36 / 60 * 25	\$1,816
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$142,677 + \$63,294 + \$1,816	\$207,787

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-673-030

Original		Current
BADGER	Municipality	BADGER
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
CSAH 2 TO ATLANTIC AVE (BADGER)	Termini	CSAH 2 TO ATLANTIC AVE (BADGER)
510	Present AADT	510
2016	Year of Count	2016
1.1	Projection Factor	1.1
561	Projected Traffic	561
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 068-673-005 M&OL	Comments	2014 SAP 068-673-005 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	0.11 * 2789799.78 / 60 * 25 * 1.15	\$147,046
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.11 * 2904 * 47.95 / 15 * 25	\$25,529
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.11 * 94238.2 / 60 * 25	\$4,319
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$147,046 + \$25,529 + \$4,319	\$176,894

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-673-031

Original

Current

BADGER	Municipality	BADGER
0.06	Segment Length	0.06
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
ATLANTIC AVE TO BADGER CREEK (BADGER)	Termini	ATLANTIC AVE TO BADGER CREEK (BADGER)
425	Present AADT	425
2016	Year of Count	2016
1.1	Projection Factor	1.1
468	Projected Traffic	468
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 068-673-005 M&OL	Comments	2014 SAP 068-673-005 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	0.06 * 622592.13 / 60 * 25 * 1.1	\$17,121
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.06 * 2112 * 47.95 / 20 * 25	\$7,595
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.06 * 8716.36 / 60 * 25	\$218
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$17,121 + \$7,595 + \$218	\$24,934

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-673-040

Original		Current
BADGER	Municipality	BADGER
0.35	Segment Length	0.35
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
BADGER CREEK TO TH 11 (BADGER)	Termini	BADGER CREEK TO TH 11 (BADGER)
425	Present AADT	425
2016	Year of Count	2016
1.1	Projection Factor	1.1
468	Projected Traffic	468
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 068-673-005 M&OL	Comments	2014 SAP 068-673-005 M&OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92695	Structure Number	92695
0.91	Milepoint	0.91
1970	Year Built	1970
BADGER CREEK	Feature Crossed	BADGER CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
14	Culvert Width	14
10	Culvert Height	10
60	Culvert Length	60
99	Area of Waterway Opening	99
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	0.35 * 622592.13 / 60 * 25 * 1.1	\$99,874
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.35 * 2112 * 47.95 / 20 * 25	\$44,306
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.35 * 8716.36 / 60 * 25	\$1,271
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 99 * 18.01 / 100 * 25 * 1.15	\$30,757

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$99,874 + \$44,306 + \$1,271 + \$30,757	\$176,208
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-674-010

Original		Current
WARROAD	Municipality	WARROAD
0.33	Segment Length	0.33
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 11 TO MOODY ST (WARROAD)	Termini	TH 11 TO MOODY ST (WARROAD)
5700	Present AADT	5700
2016	Year of Count	2016
1.1	Projection Factor	1.1
6270	Projected Traffic	6270
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
	Comments	
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN NATIONAL RAILWAY	RailRoad Name	CANADIAN NATIONAL RAILWAY
312236E	USDOT Number	312236E
0.11	Located at Milepoint	0.11
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1981	Last Year Protection Upgraded	1981
80	Crossing Length	80
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	1 * 61250 / 40 * 25	\$38,281
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.33 * 2789799.78 / 60 * 25 * 1.15	\$441,137
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.33 * 2904 * 47.95 / 15 * 25	\$76,586
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.33 * 94238.2 / 60 * 25	\$12,958
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	80 * 1750 / 25 * 25	\$140,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$38,281 + \$441,137 + \$76,586 + \$12,958 + \$350,000 + \$140,000	\$1,058,962

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-674-020

Original		Current
WARROAD	Municipality	WARROAD
0.45	Segment Length	0.45
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
MOODY ST TO FOURTH AVE (WARROAD)	Termini	MOODY ST TO FOURTH AVE (WARROAD)
3150	Present AADT	3150
2016	Year of Count	2016
1.1	Projection Factor	1.1
3465	Projected Traffic	3465
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2010	Latest Year SA funds	2010
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	0.45 * 2789799.78 / 60 * 25 * 1.15	\$601,551
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.45 * 2904 * 47.95 / 15 * 25	\$104,435
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.45 * 94238.2 / 60 * 25	\$17,670
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$601,551 + \$104,435 + \$17,670	\$723,656

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-674-030

Original

Current

WARROAD	Municipality	WARROAD
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
LAKE ST TO MACKENZIE ST (WARROAD)	Termini	LAKE ST TO MACKENZIE ST (WARROAD)
550	Present AADT	550
2016	Year of Count	2016
1.1	Projection Factor	1.1
605	Projected Traffic	605
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
SAP 68-674-007, 2007 BIT SURF	Comments	SAP 68-674-007, 2007 BIT SURF
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	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 * 2789799.78 / 60 * 25 * 1.15	\$187,149
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.14 * 2904 * 47.95 / 15 * 25	\$32,491
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.14 * 94238.2 / 60 * 25	\$5,497
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$187,149 + \$32,491 + \$5,497	\$225,137

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-674-040

Original		Current
WARROAD	Municipality	WARROAD
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
MACKENZIE ST TO 0.5 MI E OF TH 313 (WARROAD)	Termini	MACKENZIE ST TO 0.5 MI E OF TH 313 (WARROAD)
550	Present AADT	550
2016	Year of Count	2016
1.1	Projection Factor	1.1
605	Projected Traffic	605
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
SAP 68-674-007, 2007 BIT SURF	Comments	SAP 68-674-007, 2007 BIT SURF
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
68521	Structure Number	68521
1.55	Milepoint	1.55
1971	Year Built	1971
LAKE OF WOODS	Feature Crossed	LAKE OF WOODS
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
93.3	Bridge Length	93.3
35.5	Bridge Width	35.5
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	1.23 * 622592.13 / 60 * 25 * 1.1	\$350,986
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.23 * 2112 * 47.95 / 20 * 25	\$155,703
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.23 * 8716.36 / 60 * 25	\$4,467
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	93.3 * 35.5 * 173 / 80 * 25 * 1.15	\$205,923
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$350,986 + \$155,703 + \$4,467 + \$205,923	\$717,079

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-674-050

Original		Current
WARROAD	Municipality	WARROAD
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.5 MI E TO TH 313 (WARROAD)	Termini	0.5 MI E TO TH 313 (WARROAD)
2050	Present AADT	2050
2016	Year of Count	2016
1.1	Projection Factor	1.1
2255	Projected Traffic	2255
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 068-674-009 M&OL	Comments	2018 SAP 068-674-009 M&OL
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN NATIONAL RAILWAY	RailRoad Name	CANADIAN NATIONAL RAILWAY
312237L	USDOT Number	312237L
0.2	Located at Milepoint	0.2
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
2004	Last Year Protection Upgraded	2004
40	Crossing Length	40
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 1098967.83 / 60 * 25 * 1.1	\$251,847
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2376 * 47.95 / 20 * 25	\$71,206
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 82442.62 / 60 * 25	\$17,176
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	40 * 1750 / 25 * 25	\$70,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$251,847 + \$71,206 + \$17,176 + \$350,000 + \$70,000	\$760,229

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-675-010

Original		Current
WARROAD	Municipality	WARROAD
0.53	Segment Length	0.53
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
LAKE ST N TO TH 11 ON CEDAR (WARROAD)	Termini	LAKE ST N TO TH 11 ON CEDAR (WARROAD)
1600	Present AADT	1600
2016	Year of Count	2016
1.1	Projection Factor	1.1
1760	Projected Traffic	1760
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
2010 OVERLAY, SAP 68-675-005	Comments	2010 OVERLAY, SAP 68-675-005
	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	0.53 * 2789799.78 / 60 * 25 * 1.15	\$708,493
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.53 * 2904 * 47.95 / 15 * 25	\$123,001
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.53 * 94238.2 / 60 * 25	\$20,811
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$38,281 + \$708,493 + \$123,001 + \$20,811	\$890,586

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-676-010

Original		Current
GREENBUSH	Municipality	GREENBUSH
0.16	Segment Length	0.16
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH NO 7 TO 1ST ST (GREENBUSH)	Termini	CSAH NO 7 TO 1ST ST (GREENBUSH)
485	Present AADT	485
2016	Year of Count	2016
1.1	Projection Factor	1.1
534	Projected Traffic	534
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2010 OVERLAY, SAP 68-676-005	Comments	2010 OVERLAY, SAP 68-676-005
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.16 * 2789799.78 / 60 * 25 * 1.15	\$213,885
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.16 * 2904 * 47.95 / 15 * 25	\$37,132
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.16 * 94238.2 / 60 * 25	\$6,283
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$213,885 + \$37,132 + \$6,283	\$257,300

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-676-020

Original

Current

GREENBUSH	Municipality	GREENBUSH
0.43	Segment Length	0.43
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FIRST ST TO CSAH 4 (GREENBUSH)	Termini	FIRST ST TO CSAH 4 (GREENBUSH)
485	Present AADT	485
2016	Year of Count	2016
1.1	Projection Factor	1.1
534	Projected Traffic	534
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1973	Latest Year SA funds	1973
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.43 * 622592.13 / 60 * 25 * 1.1	\$122,703
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.43 * 2112 * 47.95 / 20 * 25	\$54,433
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.43 * 8716.36 / 60 * 25	\$1,562
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$122,703 + \$54,433 + \$1,562	\$178,698

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-677-010

Original		Current
ROSEAU	Municipality	ROSEAU
0.35	Segment Length	0.35
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
ROSEAU HOSPITAL TO 3RD ST SE (ROSEAU)	Termini	ROSEAU HOSPITAL TO 3RD ST SE (ROSEAU)
405	Present AADT	405
2016	Year of Count	2016
1.1	Projection Factor	1.1
446	Projected Traffic	446
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
RECONSTRUCTED UNDER SAP 68-677-03. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION	Comments	RECONSTRUCTED UNDER SAP 68-677-03. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	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 * 2789799.78 / 60 * 25 * 1.15	\$467,873
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.35 * 2904 * 47.95 / 15 * 25	\$81,227
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.35 * 94238.2 / 60 * 25	\$13,743
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$467,873 + \$81,227 + \$13,743	\$562,843

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-677-030

Original		Current
ROSEAU	Municipality	ROSEAU
0.21	Segment Length	0.21
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3RD ST SE TO CENTER STREET (ROSEAU)	Termini	3RD ST SE TO CENTER STREET (ROSEAU)
2200	Present AADT	2200
2016	Year of Count	2016
1.1	Projection Factor	1.1
2420	Projected Traffic	2420
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
RECONSTRUCTED UNDER SAP 68-677-03. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION	Comments	RECONSTRUCTED UNDER SAP 68-677-03. LOCAL \$\$ & SA FUNDS WERE USED FOR CONSTRUCTION
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
MINNESOTA NORTHERN RAILROAD, INC.	RailRoad Name	MINNESOTA NORTHERN RAILROAD, INC.
062406E	USDOT Number	062406E
0.04	Located at Milepoint	0.04
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
56	Crossing Length	56
0	Last Year Surfaced	0
100%	Percentage of Cost	100%
	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	0.21 * 1098967.83 / 60 * 25 * 1.1	\$105,776
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.21 * 2376 * 47.95 / 20 * 25	\$29,906
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.21 * 82442.62 / 60 * 25	\$7,214
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	56 * 1750 / 25 * 25	\$98,000

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$105,776 + \$29,906 + \$7,214 + \$2,000 + \$98,000	\$242,896
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-677-040

Original		Current
ROSEAU	Municipality	ROSEAU
0.31	Segment Length	0.31
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
5TH AVE SW TO 2ND AVE SE (ROSEAU)	Termini	5TH AVE SW TO 2ND AVE SE (ROSEAU)
740	Present AADT	740
2016	Year of Count	2016
1.1	Projection Factor	1.1
814	Projected Traffic	814
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 068-677-006 M&OL	Comments	2012 SAP 068-677-006 M&OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.31 * 2789799.78 / 60 * 25 * 1.15	\$414,402
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.31 * 2904 * 47.95 / 15 * 25	\$71,944
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.31 * 94238.2 / 60 * 25	\$12,172
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$414,402 + \$71,944 + \$12,172	\$498,518

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : ROSEAU Segment Nbr : 068-678-010

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
TH 89 TO 0.1 MI WEST (WANNASKA)	Termini	TH 89 TO 0.1 MI WEST (WANNASKA)
110	Present AADT	110
2016	Year of Count	2016
1.1	Projection Factor	1.1
121	Projected Traffic	121
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2005	Latest Year SA funds	2005
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
RECONSTRUCTED UNDER PLAN # 68-678-001	Comments	RECONSTRUCTED UNDER PLAN # 68-678-001
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	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 * 2789799.78 / 60 * 25 * 1.15	\$133,678
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.1 * 2904 * 47.95 / 15 * 25	\$23,208
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.1 * 94238.2 / 60 * 25	\$3,927
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$133,678 + \$23,208 + \$3,927	\$160,813

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

ROSEAU

Segment Nbr : 068-679-010

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
TH 11 TO 0.10 MI SOUTH ON MAIN (SALOL)	Termini	TH 11 TO 0.10 MI SOUTH ON MAIN (SALOL)
100	Present AADT	100
2016	Year of Count	2016
1.1	Projection Factor	1.1
110	Projected Traffic	110
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.1 * 311296.07 / 60 * 25 * 1.1$	\$14,268
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.1 * 546 * 10.75 / 2 * 25$	\$7,337
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.1 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	\$14,268 + \$7,337 + \$0	\$21,605