

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-601-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.6	Segment Length	0.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.6 MI W OF CSAH 10 TO CSAH 10	Termini	0.6 MI W OF CSAH 10 TO CSAH 10
40	Present AADT	40
2019	Year of Count	2019
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1998	Latest Year SA funds	1998
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.6 * 527342.32 / 60 * 25 * 1.1	\$145,019
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.6 * 2112 * 41.5 / 20 * 25	\$65,736
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.6 * 12274.63 / 60 * 25	\$3,069
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$145,019 + \$65,736 + \$3,069	\$213,824

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Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-601-020

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
3.2 MI W OF TH 32 TO TH 32	Termini	3.2 MI W OF TH 32 TO TH 32
50	Present AADT	50
2019	Year of Count	2019
1.2	Projection Factor	1.2
60	Projected Traffic	60
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.2 * 263671.16 / 60 * 25 * 1.1	\$386,718
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	\$386,718 + \$234,780 + \$0	\$621,498

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Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-601-030

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
0.5 MI.W. CSAH 25 TO 4.0 MI.W. OF CSAH 27 ON S. CO. LINE	Termini	0.5 MI.W. CSAH 25 TO 4.0 MI.W. OF CSAH 27 ON S. CO. LINE
25	Present AADT	25
2019	Year of Count	2019
1.2	Projection Factor	1.2
30	Projected Traffic	30
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.5 * 263671.16 / 60 * 25 * 1.1	\$422,972
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	\$422,972 + \$256,791 + \$0	\$679,763

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Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-601-040

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
4.0 M W OF CSAH 27 TO CSAH 27	Termini	4.0 M W OF CSAH 27 TO CSAH 27
25	Present AADT	25
2019	Year of Count	2019
1.2	Projection Factor	1.2
30	Projected Traffic	30
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 263671.16 / 60 * 25 * 1.1	\$483,397
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	\$483,397 + \$293,475 + \$0	\$776,872

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-602-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.8	Segment Length	6.8
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 17 TO TH 59	Termini	CSAH 17 TO TH 59
75	Present AADT	75
2019	Year of Count	2019
1.2	Projection Factor	1.2
90	Projected Traffic	90
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
97806	Structure Number	97806
4.4	Milepoint	4.4
1994	Year Built	1994
CO DITCH # 62	Feature Crossed	CO DITCH # 62
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
4	Culvert Height	4
46	Culvert Length	46
48.00053566	Area of Waterway Opening	48.00053566
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695838C	USDOT Number	695838C
5	Located at Milepoint	5
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
24	Crossing Length	24
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$6.8 * 263671.16 / 60 * 25 * 1.1$	\$821,775
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$6.8 * 546 * 10.75 / 2 * 25$	\$498,908
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$6.8 * 0 / 60 * 25$	\$0
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$46 * 48.00053566 * 18.01 / 100 * 25 * 1.15$	\$11,433
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$24 * 1750 / 25 * 25$	\$42,000
Total Segment Cost	Construction + Preservation + ROW + Culvert + RR Crossing Protection + RR Crossing Surface	$\$821,775 + \$498,908 + \$0 + \$11,433 + \$2,000 + \$42,000$	\$1,376,116

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Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-602-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
9	Segment Length	9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 59 TO CSAH 23	Termini	TH 59 TO CSAH 23
35	Present AADT	35
2019	Year of Count	2019
1.2	Projection Factor	1.2
42	Projected Traffic	42
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	9 * 263671.16 / 60 * 25 * 1.1	\$1,087,644
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	9 * 546 * 10.75 / 2 * 25	\$660,319
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	9 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$1,087,644 + \$660,319 + \$0	\$1,747,963

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Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-602-030

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 23 TO CSAH 25	Termini	CSAH 23 TO CSAH 25
55	Present AADT	55
2019	Year of Count	2019
1.2	Projection Factor	1.2
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.9 * 263671.16 / 60 * 25 * 1.1	\$471,312
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	\$471,312 + \$286,138 + \$0	\$757,450

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Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-603-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W.PENN.CO.LINE TO .4 MI. EAST ALONG PENN.POLK CO.LINE.	Termini	W.PENN.CO.LINE TO .4 MI. EAST ALONG PENN.POLK CO.LINE.
1950	Present AADT	1950
2019	Year of Count	2019
1.2	Projection Factor	1.2
2340	Projected Traffic	2340
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 SP 057-603-035 M&OL W/ SAFETY PROJECT 057-070-004	Comments	2015 SP 057-603-035 M&OL W/ SAFETY PROJECT 057-070-004
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.4 * 1098967.83 / 60 * 25 * 1.1	\$201,477
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2376 * 41.5 / 20 * 25	\$49,302
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 82442.62 / 60 * 25	\$13,740
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$201,477 + \$49,302 + \$13,740	\$264,519

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-603-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W CO LINE TO CSAH 12	Termini	W CO LINE TO CSAH 12
1950	Present AADT	1950
2019	Year of Count	2019
1.2	Projection Factor	1.2
2340	Projected Traffic	2340
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 SP 057-603-035 M&OL W/ SAFETY PROJECT 057-070-004	Comments	2015 SP 057-603-035 M&OL W/ SAFETY PROJECT 057-070-004
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92558	Structure Number	92558
2.97	Milepoint	2.97
1955	Year Built	1955
BLACK RIVER	Feature Crossed	BLACK RIVER
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
102	Culvert Length	102
148.00039583	Area of Waterway Opening	148.00039583
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 * 1098967.83 / 60 * 25 * 1.1	\$3,022,162
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2376 * 41.5 / 20 * 25	\$739,530
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 82442.62 / 60 * 25	\$206,107
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	102 * 148.00039583 * 18.01 / 100 * 25 * 1.15	\$78,165

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$3,022,162 + \$739,530 + \$206,107 + \$78,165	\$4,045,964
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-603-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO W LIM ST HILAIRE	Termini	CSAH 12 TO W LIM ST HILAIRE
2100	Present AADT	2100
2019	Year of Count	2019
1.2	Projection Factor	1.2
2520	Projected Traffic	2520
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 SP 057-603-035 M&OL W/ SAFETY PROJECT 057-070-004	Comments	2015 SP 057-603-035 M&OL W/ SAFETY PROJECT 057-070-004
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92557	Structure Number	92557
10.27	Milepoint	10.27
1956	Year Built	1956
DITCH	Feature Crossed	DITCH
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
8	Culvert Height	8
80	Culvert Length	80
148.00039583	Area of Waterway Opening	148.00039583
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 * 1098967.83 / 60 * 25 * 1.1	\$3,022,162
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2376 * 41.5 / 20 * 25	\$739,530
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 82442.62 / 60 * 25	\$206,107
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	80 * 148.00039583 * 18.01 / 100 * 25 * 1.15	\$61,306

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$3,022,162 + \$739,530 + \$206,107 + \$61,306	\$4,029,105
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-603-040**

Original		Current
ST HILAIRE	Municipality	ST HILAIRE
0.41	Segment Length	0.41
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W LIM ST HILAIRE TO TH 32	Termini	W LIM ST HILAIRE TO TH 32
2100	Present AADT	2100
2019	Year of Count	2019
1.2	Projection Factor	1.2
2520	Projected Traffic	2520
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 SP 057-603-035 M&OL W/ SAFETY PROJECT 057-070-004	Comments	2015 SP 057-603-035 M&OL W/ SAFETY PROJECT 057-070-004
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
MINNESOTA NORTHERN RAILROAD, INC.	RailRoad Name	MINNESOTA NORTHERN RAILROAD, INC.
062245L	USDOT Number	062245L
0.3	Located at Milepoint	0.3
1	Mainline Tracks	1
NONE	Protection Type	NONE
0	Last Year Protection Upgraded	0
42	Crossing Length	42
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	0.41 * 1098967.83 / 60 * 25 * 1.1	\$206,514
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.41 * 2376 * 41.5 / 20 * 25	\$50,535
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.41 * 82442.62 / 60 * 25	\$14,084
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	0 / 25 * 25	\$0
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	42 * 1750 / 25 * 25	\$73,500

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$206,514 + \$50,535 + \$14,084 + \$0 + \$73,500	\$344,633
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-603-041**

Original		Current
ST HILAIRE	Municipality	ST HILAIRE
0.7	Segment Length	0.7
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 32 TO NE LIM ST HILAIRE	Termini	TH 32 TO NE LIM ST HILAIRE
2100	Present AADT	2100
2019	Year of Count	2019
1.2	Projection Factor	1.2
2520	Projected Traffic	2520
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 057-603-036 GRADE WIDENED AND PAVING	Comments	2015 SAP 057-603-036 GRADE WIDENED AND PAVING
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
7248	Structure Number	7248
13.3	Milepoint	13.3
1962	Year Built	1962
RED LAKE RIVER	Feature Crossed	RED LAKE RIVER
	Type of Service	
	Number of Spans	
309.7	Bridge Length	309.7
32.6	Bridge Width	32.6
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.7 * 1098967.83 / 60 * 25 * 1.1	\$352,586
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.7 * 2376 * 41.5 / 20 * 25	\$86,279
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.7 * 82442.62 / 60 * 25	\$24,046
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	309.7 * 32.6 * 141 / 80 * 25 * 1.15	\$511,594
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$352,586 + \$86,279 + \$24,046 + \$511,594	\$974,505

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-603-050

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.1	Segment Length	1.1
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NE LIM ST. HILAIRE TO N JCT CSAH 17	Termini	NE LIM ST. HILAIRE TO N JCT CSAH 17
2100	Present AADT	2100
2019	Year of Count	2019
1.2	Projection Factor	1.2
2520	Projected Traffic	2520
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SP 057-070-009 Shoulder Paving	Comments	2017 SP 057-070-009 Shoulder Paving
2015 SAP 057-603-036 GRADE WIDENED AND PAVING		2015 SAP 057-603-036 GRADE WIDENED AND PAVING
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 1098967.83 / 60 * 25 * 1.1	\$554,063
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.1 * 2376 * 41.5 / 20 * 25	\$135,581
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.1 * 82442.62 / 60 * 25	\$37,786
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$554,063 + \$135,581 + \$37,786	\$727,430

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-603-051**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.6	Segment Length	5.6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N JCT CSAH 17 TO TH 59	Termini	N JCT CSAH 17 TO TH 59
1000	Present AADT	1000
2019	Year of Count	2019
1.2	Projection Factor	1.2
1200	Projected Traffic	1200
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 057-603-038 M&OL	Comments	2018 SAP 057-603-038 M&OL
2017 SP 057-070-009 Shoulder Paving		2017 SP 057-070-009 Shoulder Paving
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695841K	USDOT Number	695841K
3.1	Located at Milepoint	3.1
1	Mainline Tracks	1
SIGNALS ONLY	Protection Type	SIGNALS ONLY
2006	Last Year Protection Upgraded	2006
45	Crossing Length	45
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.6 * 527342.32 / 60 * 25 * 1.1	\$1,353,512
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.6 * 2112 * 41.5 / 20 * 25	\$613,536
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.6 * 12274.63 / 60 * 25	\$28,641
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	300000 / 25 * 25	\$300,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	45 * 1750 / 25 * 25	\$78,750

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$1,353,512 + \$613,536 + \$28,641 + \$300,000 + \$78,750	\$2,374,439
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-603-060

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.4	Segment Length	1.4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 59 TO CO RD 84	Termini	TH 59 TO CO RD 84
2250	Present AADT	2250
2019	Year of Count	2019
1.2	Projection Factor	1.2
2700	Projected Traffic	2700
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2009	Latest Year SA funds	2009
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2009 OVERLAY, SP 57-603-032	Comments	2009 OVERLAY, SP 57-603-032
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.4 * 1098967.83 / 60 * 25 * 1.1	\$705,171
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.4 * 2376 * 41.5 / 20 * 25	\$172,557
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.4 * 82442.62 / 60 * 25	\$48,092
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$705,171 + \$172,557 + \$48,092	\$925,820

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-603-070**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
10.1	Segment Length	10.1
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CR 84 TO CSAH 24	Termini	CR 84 TO CSAH 24
960	Present AADT	960
2019	Year of Count	2019
1.2	Projection Factor	1.2
1152	Projected Traffic	1152
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
SEGMENT 57-603-065 AND SEGMENT 57-603-70 (R) HAVE BEEN COMBINED INTO ONE SEGMENT WHICH IS 57-603-070.	Comments	SEGMENT 57-603-065 AND SEGMENT 57-603-70 (R) HAVE BEEN COMBINED INTO ONE SEGMENT WHICH IS 57-603-070.
2009 OVERLAY, SP 57-603-032		2009 OVERLAY, SP 57-603-032
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
95325	Structure Number	95325
23.61	Milepoint	23.61
1980	Year Built	1980
CO DITCH # 32	Feature Crossed	CO DITCH # 32
	Type of Service	
1	Number of Barrels	1
	Culvert Width	
	Culvert Height	
84	Culvert Length	84
64.99996293	Area of Waterway Opening	64.99996293
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	10.1 * 527342.32 / 60 * 25 * 1.1	\$2,441,155
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	10.1 * 2112 * 41.5 / 20 * 25	\$1,106,556
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	10.1 * 12274.63 / 60 * 25	\$51,656

Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	84 * 64.99996293 * 18.01 / 100 * 25 * 1.15	\$28,271
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,441,155 + \$1,106,556 + \$51,656 + \$28,271	\$3,627,638

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-603-080

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.5	Segment Length	1.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 24 TO CSAH 25	Termini	CSAH 24 TO CSAH 25
465	Present AADT	465
2019	Year of Count	2019
1.2	Projection Factor	1.2
558	Projected Traffic	558
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
SEGMENT NUMBER NEEDS TO BE CHANGED TO 57-603-080	Comments	SEGMENT NUMBER NEEDS TO BE CHANGED TO 57-603-080
2009 OVERLAY, SP 57-603-032		2009 OVERLAY, SP 57-603-032
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.5 * 527342.32 / 60 * 25 * 1.1	\$362,548
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.5 * 2112 * 41.5 / 20 * 25	\$164,340
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.5 * 12274.63 / 60 * 25	\$7,672
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$362,548 + \$164,340 + \$7,672	\$534,560

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-603-090**

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
CSAH 25 TO CSAH 27	Termini	CSAH 25 TO CSAH 27
465	Present AADT	465
2019	Year of Count	2019
1.2	Projection Factor	1.2
558	Projected Traffic	558
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 57-603-032	Comments	2009 OVERLAY, SP 57-603-032
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
57518	Structure Number	57518
33.2	Milepoint	33.2
1996	Year Built	1996
RED LAKE RIVER	Feature Crossed	RED LAKE RIVER
	Type of Service	
3	Number of Spans	3
139.1	Bridge Length	139.1
44	Bridge Width	44
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: Original

Original		Current
57J12	Structure Number	57J12
37.68	Milepoint	37.68
1999	Year Built	1999
CO DITCH # 57	Feature Crossed	CO DITCH # 57
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
5	Culvert Height	5
100	Culvert Length	100
50.00046828	Area of Waterway Opening	50.00046828
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

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

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$6.8 * 527342.32 / 60 * 25 * 1.1$	\$1,643,550
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$6.8 * 2112 * 41.5 / 20 * 25$	\$745,008
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$6.8 * 12274.63 / 60 * 25$	\$34,778
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$139.1 * 44 * 173 / 80 * 25 * 1.15$	\$380,517
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$100 * 50.00046828 * 18.01 / 100 * 25 * 1.15$	\$25,890
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	$\$0 + \$1,643,550 + \$745,008 + \$34,778 + \$380,517 + \$25,890$	\$2,829,743

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-603-100

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.1	Segment Length	1.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 27 1 MILE EAST TO CR 100	Termini	CSAH 27 1 MILE EAST TO CR 100
230	Present AADT	230
2019	Year of Count	2019
1.2	Projection Factor	1.2
276	Projected Traffic	276
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 057-603-037 M&OL	Comments	2017 SAP 057-603-037 M&OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
57J17	Structure Number	57J17
40.04	Milepoint	40.04
1999	Year Built	1999
CO DITCH # 43	Feature Crossed	CO DITCH # 43
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
14	Culvert Width	14
10	Culvert Height	10
54	Culvert Length	54
98.99989386	Area of Waterway Opening	98.99989386
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.1 * 527342.32 / 60 * 25 * 1.1	\$265,868
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.1 * 2112 * 41.5 / 20 * 25	\$120,516
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.1 * 12274.63 / 60 * 25	\$5,626
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 98.99989386 * 18.01 / 100 * 25 * 1.15	\$27,681
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$265,868 + \$120,516 + \$5,626 + \$27,681	\$419,691

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-603-110

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 100, 1 MILE TO EAST CO LINE	Termini	CR 100, 1 MILE TO EAST CO LINE
230	Present AADT	230
2019	Year of Count	2019
1.2	Projection Factor	1.2
276	Projected Traffic	276
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 057-603-037 M&OL	Comments	2017 SAP 057-603-037 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 * 527342.32 / 60 * 25 * 1.1	\$241,699
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 41.5 / 20 * 25	\$109,560
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 12274.63 / 60 * 25	\$5,114
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$241,699 + \$109,560 + \$5,114	\$356,373

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-606-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 22 TO CSAH 24	Termini	CSAH 22 TO CSAH 24
150	Present AADT	150
2019	Year of Count	2019
1.2	Projection Factor	1.2
180	Projected Traffic	180
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2003	Latest Year SA funds	2003
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93948	Structure Number	93948
2.01	Milepoint	2.01
1987	Year Built	1987
CO DITCH # 39	Feature Crossed	CO DITCH # 39
	Type of Service	
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	6 * 527342.32 / 60 * 25 * 1.1	\$1,450,191
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 41.5 / 20 * 25	\$657,360
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 12274.63 / 60 * 25	\$30,687
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 + Culvert	\$0 + \$1,450,191 + \$657,360 + \$30,687 + \$18,019	\$2,156,257

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-606-020

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 24 TO CSAH 26	Termini	CSAH 24 TO CSAH 26
30	Present AADT	30
2019	Year of Count	2019
1.2	Projection Factor	1.2
36	Projected Traffic	36
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2007	Latest Year SA funds	2007
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
CSAH 6 WAS ONE 8 MILE SECTION GRADING COMPLETED ON FIRST FOUR MILES IN 2007, BROKE INTO TWO SEGMENTS. SAP 57-606-004	Comments	CSAH 6 WAS ONE 8 MILE SECTION GRADING COMPLETED ON FIRST FOUR MILES IN 2007, BROKE INTO TWO SEGMENTS. SAP 57-606-004
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
57J01	Structure Number	57J01
6.01	Milepoint	6.01
1995	Year Built	1995
CO DITCH # 41	Feature Crossed	CO DITCH # 41
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
34	Culvert Length	34
95.99999493	Area of Waterway Opening	95.99999493
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 263671.16 / 60 * 25 * 1.1	\$483,397
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	34 * 95.99999493 * 18.01 / 100 * 25 * 1.15	\$16,901

Total Segment Cost	Construction + Preservation + ROW + Culvert	\$483,397 + \$293,475 + \$0 + \$16,901	\$793,773
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-606-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 26 TO CSAH 27	Termini	CSAH 26 TO CSAH 27
30	Present AADT	30
2019	Year of Count	2019
1.2	Projection Factor	1.2
36	Projected Traffic	36
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 263671.16 / 60 * 25 * 1.1	\$483,397
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	\$483,397 + \$293,475 + \$0	\$776,872

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-607-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO CSAH 13	Termini	CSAH 12 TO CSAH 13
600	Present AADT	600
2019	Year of Count	2019
1.2	Projection Factor	1.2
720	Projected Traffic	720
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 057-607-014 M&OL	Comments	2016 SAP 057-607-014 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 * 527342.32 / 60 * 25 * 1.1	\$241,699
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 41.5 / 20 * 25	\$109,560
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 12274.63 / 60 * 25	\$5,114
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$241,699 + \$109,560 + \$5,114	\$356,373

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-607-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 13 TO CSAH 15	Termini	CSAH 13 TO CSAH 15
600	Present AADT	600
2019	Year of Count	2019
1.2	Projection Factor	1.2
720	Projected Traffic	720
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 057-607-014 M&OL	Comments	2016 SAP 057-607-014 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	3 * 527342.32 / 60 * 25 * 1.1	\$725,096
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 41.5 / 20 * 25	\$328,680
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 12274.63 / 60 * 25	\$15,343
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$725,096 + \$328,680 + \$15,343	\$1,069,119

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	PENNINGTON	Segment Nbr : 057-607-021
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.8	Segment Length	3.8
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 15 TO TH 32	Termini	CSAH 15 TO TH 32
600	Present AADT	600
2019	Year of Count	2019
1.2	Projection Factor	1.2
720	Projected Traffic	720
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 057-607-014 M&OL	Comments	2016 SAP 057-607-014 M&OL
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
96779	Structure Number	96779
6.05	Milepoint	6.05
1990	Year Built	1990
CO DITCH # 68,BR #2	Feature Crossed	CO DITCH # 68,BR #2
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
7	Culvert Height	7
53	Culvert Length	53
84.00039921	Area of Waterway Opening	84.00039921
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
96780	Structure Number	96780
4.05	Milepoint	4.05
1990	Year Built	1990
CO DITCH # 68	Feature Crossed	CO DITCH # 68
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
6	Culvert Height	6
54	Culvert Length	54
71.9997271	Area of Waterway Opening	71.9997271
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

RailRoadCrossing Information		Status: Original
Original	Current	

MINNESOTA NORTHERN
RAILROAD, INC.

062255S

3.79

1

SIGNS ONLY

0

42

0

100%

RailRoad Name

USDOT Number

Located at Milepoint

Mainline Tracks

Protection Type

Last Year Protection Upgraded

Crossing Length

Last Year Surfaced

Percentage of Cost

Comments

MINNESOTA NORTHERN
RAILROAD, INC.

062255S

3.79

1

SIGNS ONLY

0

42

0

100%

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.8 * 527342.32 / 60 * 25 * 1.1	\$918,455
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.8 * 2112 * 41.5 / 20 * 25	\$416,328
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.8 * 12274.63 / 60 * 25	\$19,435
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	53 * 84.00039921 * 18.01 / 100 * 25 * 1.15	\$23,052
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 71.9997271 * 18.01 / 100 * 25 * 1.15	\$20,132
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	42 * 1750 / 25 * 25	\$73,500
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + RR Crossing Protection + RR Crossing Surface	\$0 + \$918,455 + \$416,328 + \$19,435 + \$23,052 + \$20,132 + \$2,000 + \$73,500	\$1,472,902

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-607-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.9	Segment Length	2.9
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 17 TO TH 59	Termini	CSAH 17 TO TH 59
395	Present AADT	395
2019	Year of Count	2019
1.2	Projection Factor	1.2
474	Projected Traffic	474
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1987	Latest Year SA funds	1987
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695850J	USDOT Number	695850J
0.9	Located at Milepoint	0.9
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
1997	Last Year Protection Upgraded	1997
42	Crossing Length	42
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.9 * 527342.32 / 60 * 25 * 1.1	\$700,926
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.9 * 2112 * 41.5 / 20 * 25	\$317,724
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.9 * 12274.63 / 60 * 25	\$14,832
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	42 * 1750 / 25 * 25	\$73,500
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$700,926 + \$317,724 + \$14,832 + \$350,000 + \$73,500	\$1,456,982

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-607-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.1	Segment Length	4.1
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 59 TO CO RD 84	Termini	TH 59 TO CO RD 84
940	Present AADT	940
2019	Year of Count	2019
1.2	Projection Factor	1.2
1128	Projected Traffic	1128
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1994	Latest Year SA funds	1994
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
57503	Structure Number	57503
15.65	Milepoint	15.65
1970	Year Built	1970
RED LAKE RIVER	Feature Crossed	RED LAKE RIVER
	Type of Service	
4	Number of Spans	4
199.3	Bridge Length	199.3
34.4	Bridge Width	34.4
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.1 * 527342.32 / 60 * 25 * 1.1	\$990,964
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.1 * 2112 * 41.5 / 20 * 25	\$449,196
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.1 * 12274.63 / 60 * 25	\$20,969
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	199.3 * 34.4 * 141 / 80 * 25 * 1.15	\$347,402
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$990,964 + \$449,196 + \$20,969 + \$347,402	\$1,808,531

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-607-060**

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
CO RD 84 TO CO STATE AID HIGHWAY 22	Termini	CO RD 84 TO CO STATE AID HIGHWAY 22
350	Present AADT	350
2019	Year of Count	2019
1.2	Projection Factor	1.2
420	Projected Traffic	420
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1994	Latest Year SA funds	1994
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93027	Structure Number	93027
18.73	Milepoint	18.73
1973	Year Built	1973
DITCH	Feature Crossed	DITCH
	Type of Service	
2	Number of Barrels	2
9	Culvert Width	9
5	Culvert Height	5
63	Culvert Length	63
68.99982817	Area of Waterway Opening	68.99982817
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 527342.32 / 60 * 25 * 1.1	\$966,794
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 41.5 / 20 * 25	\$438,240
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 12274.63 / 60 * 25	\$20,458
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	63 * 68.99982817 * 18.01 / 100 * 25 * 1.15	\$22,508

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$966,794 + \$438,240 + \$20,458 + \$22,508	\$1,448,000
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-608-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W CO LINE TO CSAH 13	Termini	W CO LINE TO CSAH 13
480	Present AADT	480
2019	Year of Count	2019
1.2	Projection Factor	1.2
576	Projected Traffic	576
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 057-608-007 M&OL	Comments	2017 SAP 057-608-007 M&OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7 * 527342.32 / 60 * 25 * 1.1	\$1,691,890
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 41.5 / 20 * 25	\$766,920
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 12274.63 / 60 * 25	\$35,801
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,691,890 + \$766,920 + \$35,801	\$2,494,611

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-608-015

Original

Current

THIEF RIVER FALLS	Municipality	THIEF RIVER FALLS
0.33	Segment Length	0.33
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
From TH 32 to Clyde Drive	Termini	From TH 32 to Clyde Drive
810	Present AADT	810
2019	Year of Count	2019
1.2	Projection Factor	1.2
972	Projected Traffic	972
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
	Latest Year SA funds	
0	Number of Signal Legs	0
	Special Message Code	
	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	0.33 * 527342.32 / 60 * 25 * 1.1	\$79,761
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.33 * 2112 * 41.5 / 20 * 25	\$36,155
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.33 * 12274.63 / 60 * 25	\$1,688
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$79,761 + \$36,155 + \$1,688	\$117,604

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-608-016

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.14	Segment Length	0.14
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
From Clyde Drive west 0.14 miles	Termini	From Clyde Drive west 0.14 miles
810	Present AADT	810
2019	Year of Count	2019
1.2	Projection Factor	1.2
972	Projected Traffic	972
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
	Latest Year SA funds	
0	Number of Signal Legs	0
	Special Message Code	
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.14 * 527342.32 / 60 * 25 * 1.1	\$33,838
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.14 * 2112 * 41.5 / 20 * 25	\$15,338
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.14 * 12274.63 / 60 * 25	\$716
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$33,838 + \$15,338 + \$716	\$49,892

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-608-017

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.24	Segment Length	0.24
DESIG. NON-EXIST	Existing Surface Type	DESIG. NON-EXIST
0	Existing Surface Lanes	0
	Existing Lane Description	
0.14 miles east of Clyde Drive to 0.28 miles west of CSAH 17	Termini	0.14 miles east of Clyde Drive to 0.28 miles west of CSAH 17
0	Present AADT	0
1900	Year of Count	1900
1	Projection Factor	1
0	Projected Traffic	0
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
	Latest Year SA funds	
0	Number of Signal Legs	0
	Special Message Code	
SAP 057-608-008m NEW RIVER CROSSING SEGMENT	Comments	SAP 057-608-008m NEW RIVER CROSSING SEGMENT
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Non-Existing Segment	If ExistingSurfaceType is DESIG. NON-EXIST, result is zero		\$0
Total Segment Cost	Non-Existing Segment	\$0	\$0

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-608-018

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.28	Segment Length	0.28
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
From 0.24 miles west of CSAH 17 to CSAH 17	Termini	From 0.24 miles west of CSAH 17 to CSAH 17
130	Present AADT	130
2019	Year of Count	2019
1.2	Projection Factor	1.2
156	Projected Traffic	156
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
	Latest Year SA funds	
0	Number of Signal Legs	0
	Special Message Code	
SAP 057-608-008	Comments	SAP 057-608-008
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.28 * 2789799.78 / 60 * 25 * 1.15	\$374,298
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.28 * 2904 * 41.5 / 15 * 25	\$56,241
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.28 * 94238.2 / 60 * 25	\$10,994
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$374,298 + \$56,241 + \$10,994	\$441,533

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-608-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.1	Segment Length	2.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 17 TO TH 59	Termini	CSAH 17 TO TH 59
970	Present AADT	970
2019	Year of Count	2019
1.2	Projection Factor	1.2
1164	Projected Traffic	1164
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 057-608-006 M&OL	Comments	2013 SAP 057-608-006 M&OL
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695852X	USDOT Number	695852X
0.5	Located at Milepoint	0.5
1	Mainline Tracks	1
SIGNALS & GATES	Protection Type	SIGNALS & GATES
2000	Last Year Protection Upgraded	2000
41	Crossing Length	41
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.1 * 527342.32 / 60 * 25 * 1.1	\$507,567
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.1 * 2112 * 41.5 / 20 * 25	\$230,076
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.1 * 12274.63 / 60 * 25	\$10,740
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	350000 / 25 * 25	\$350,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	41 * 1750 / 25 * 25	\$71,750
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$507,567 + \$230,076 + \$10,740 + \$350,000 + \$71,750	\$1,170,133

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-609-010**

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 219 TO CSAH 26	Termini	TH 219 TO CSAH 26
15	Present AADT	15
2019	Year of Count	2019
1.2	Projection Factor	1.2
18	Projected Traffic	18
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
95534	Structure Number	95534
2.52	Milepoint	2.52
1982	Year Built	1982
JUD DITCH # 13	Feature Crossed	JUD DITCH # 13
	Type of Service	
1	Number of Barrels	1
14	Culvert Width	14
10	Culvert Height	10
36	Culvert Length	36
98.99989386	Area of Waterway Opening	98.99989386
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.5 * 263671.16 / 60 * 25 * 1.1	\$543,822
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.5 * 546 * 10.75 / 2 * 25	\$330,159
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.5 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	36 * 98.99989386 * 18.01 / 100 * 25 * 1.15	\$18,454
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$543,822 + \$330,159 + \$0 + \$18,454	\$892,435

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-610-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
4.3	Segment Length	4.3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S CO LINE TO CSAH 3	Termini	S CO LINE TO CSAH 3
250	Present AADT	250
2019	Year of Count	2019
1.2	Projection Factor	1.2
300	Projected Traffic	300
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
	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	4.3 * 527342.32 / 60 * 25 * 1.1	\$1,039,304
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.3 * 2112 * 41.5 / 20 * 25	\$471,108
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.3 * 12274.63 / 60 * 25	\$21,992
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,039,304 + \$471,108 + \$21,992	\$1,532,404

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-610-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
9.6	Segment Length	9.6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO TH 1	Termini	CSAH 3 TO TH 1
150	Present AADT	150
2019	Year of Count	2019
1.2	Projection Factor	1.2
180	Projected Traffic	180
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2004	Latest Year SA funds	2004
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	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	9.6 * 527342.32 / 60 * 25 * 1.1	\$2,320,306
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	9.6 * 2112 * 41.5 / 20 * 25	\$1,051,776
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	9.6 * 12274.63 / 60 * 25	\$49,099
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$2,320,306 + \$1,051,776 + \$49,099	\$3,421,181

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-610-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.2	Segment Length	1.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH #1 TO NORTH CO. LINE	Termini	TH #1 TO NORTH CO. LINE
140	Present AADT	140
2019	Year of Count	2019
1.2	Projection Factor	1.2
168	Projected Traffic	168
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 057-610-010 OL	Comments	2013 SAP 057-610-010 OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.2 * 527342.32 / 60 * 25 * 1.1	\$290,038
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.2 * 2112 * 41.5 / 20 * 25	\$131,472
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.2 * 12274.63 / 60 * 25	\$6,137
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$290,038 + \$131,472 + \$6,137	\$427,647

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-612-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO CO LINE TO CSAH 3	Termini	SO CO LINE TO CSAH 3
325	Present AADT	325
2019	Year of Count	2019
1.2	Projection Factor	1.2
390	Projected Traffic	390
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 057-612-010 OL	Comments	2013 SAP 057-612-010 OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 527342.32 / 60 * 25 * 1.1	\$966,794
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 41.5 / 20 * 25	\$438,240
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 12274.63 / 60 * 25	\$20,458
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$966,794 + \$438,240 + \$20,458	\$1,425,492

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-612-020

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 3 TO CSAH 7	Termini	CSAH 3 TO CSAH 7
395	Present AADT	395
2019	Year of Count	2019
1.2	Projection Factor	1.2
474	Projected Traffic	474
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 057-612-011 M&OL	Comments	2016 SAP 057-612-011 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	4 * 527342.32 / 60 * 25 * 1.1	\$966,794
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 41.5 / 20 * 25	\$438,240
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 12274.63 / 60 * 25	\$20,458
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$966,794 + \$438,240 + \$20,458	\$1,425,492

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-613-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 7 TO TH 1	Termini	CSAH 7 TO TH 1
220	Present AADT	220
2019	Year of Count	2019
1.2	Projection Factor	1.2
264	Projected Traffic	264
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2017	Latest Year SA funds	2017
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2017 SAP 057-613-004 M&OL	Comments	2017 SAP 057-613-004 M&OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 527342.32 / 60 * 25 * 1.1	\$725,096
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 41.5 / 20 * 25	\$328,680
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 12274.63 / 60 * 25	\$15,343
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$725,096 + \$328,680 + \$15,343	\$1,069,119

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-614-010

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
TH 1 TO N CO LINE	Termini	TH 1 TO N CO LINE
210	Present AADT	210
2019	Year of Count	2019
1.2	Projection Factor	1.2
252	Projected Traffic	252
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 057-614-003 OL	Comments	2014 SAP 057-614-003 OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.7 * 527342.32 / 60 * 25 * 1.1	\$894,285
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.7 * 2112 * 41.5 / 20 * 25	\$405,372
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.7 * 12274.63 / 60 * 25	\$18,923
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$894,285 + \$405,372 + \$18,923	\$1,318,580

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-615-010

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
SOUTH COUNTY LINE TO CSAH 3	Termini	SOUTH COUNTY LINE TO CSAH 3
65	Present AADT	65
2019	Year of Count	2019
1.2	Projection Factor	1.2
78	Projected Traffic	78
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 * 263671.16 / 60 * 25 * 1.1	\$483,397
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	\$483,397 + \$293,475 + \$0	\$776,872

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-615-021

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
From CSAH 3 to TH 1	Termini	From CSAH 3 to TH 1
125	Present AADT	125
2019	Year of Count	2019
1.2	Projection Factor	1.2
150	Projected Traffic	150
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
0	Latest Year SA funds	0
	Number of Signal Legs	0
	Special Message Code	
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7 * 527342.32 / 60 * 25 * 1.1	\$1,691,890
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 41.5 / 20 * 25	\$766,920
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 12274.63 / 60 * 25	\$35,801
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,691,890 + \$766,920 + \$35,801	\$2,494,611

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-616-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.1	Segment Length	1.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 32 TO S LIMS THEIR RIVER FALLS	Termini	TH 32 TO S LIMS THEIR RIVER FALLS
2350	Present AADT	2350
2019	Year of Count	2019
1.2	Projection Factor	1.2
2820	Projected Traffic	2820
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 057-616-003 M&OL	Comments	2016 SAP 057-616-003 M&OL
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
MINNESOTA NORTHERN RAILROAD, INC.	RailRoad Name	MINNESOTA NORTHERN RAILROAD, INC.
062258M	USDOT Number	062258M
0.01	Located at Milepoint	0.01
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
1998	Last Year Protection Upgraded	1998
56	Crossing Length	56
1998	Last Year Surfaced	1998
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.1 * 1098967.83 / 60 * 25 * 1.1	\$554,063
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.1 * 2376 * 41.5 / 20 * 25	\$135,581
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.1 * 82442.62 / 60 * 25	\$37,786
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 + \$554,063 + \$135,581 + \$37,786 + \$2,000 + \$98,000	\$827,430
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-616-035

Original		Current
THIEF RIVER FALLS	Municipality	THIEF RIVER FALLS
0.25	Segment Length	0.25
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S LIMS THEIF RIVER FALLS TO CO RD 62	Termini	S LIMS THEIF RIVER FALLS TO CO RD 62
2350	Present AADT	2350
2019	Year of Count	2019
1.2	Projection Factor	1.2
2820	Projected Traffic	2820
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 057-616-003 M&OL	Comments	2016 SAP 057-616-003 M&OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.25 * 1098967.83 / 60 * 25 * 1.1	\$125,923
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.25 * 2376 * 41.5 / 20 * 25	\$30,814
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.25 * 82442.62 / 60 * 25	\$8,588
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$125,923 + \$30,814 + \$8,588	\$165,325

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-616-038**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.7	Segment Length	0.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 62 TO S LIMS THEIR RIVER FALLS	Termini	CO RD 62 TO S LIMS THEIR RIVER FALLS
2350	Present AADT	2350
2019	Year of Count	2019
1.2	Projection Factor	1.2
2820	Projected Traffic	2820
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 057-616-003 M&OL	Comments	2016 SAP 057-616-003 M&OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
57J06	Structure Number	57J06
	Milepoint	
1997	Year Built	1997
CO DITCH # 70	Feature Crossed	CO DITCH # 70
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
6	Culvert Height	6
84	Culvert Length	84
71.9997271	Area of Waterway Opening	71.9997271
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.7 * 1098967.83 / 60 * 25 * 1.1	\$352,586
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.7 * 2376 * 41.5 / 20 * 25	\$86,279
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.7 * 82442.62 / 60 * 25	\$24,046
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	84 * 71.9997271 * 18.01 / 100 * 25 * 1.15	\$31,316

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$352,586 + \$86,279 + \$24,046 + \$31,316	\$494,227
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-616-040

Original		Current
THIEF RIVER FALLS	Municipality	THIEF RIVER FALLS
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
S LIMS THIEF RIVER FALLS TO 0.06 MI S OF TH 1	Termini	S LIMS THIEF RIVER FALLS TO 0.06 MI S OF TH 1
2350	Present AADT	2350
2019	Year of Count	2019
1.2	Projection Factor	1.2
2820	Projected Traffic	2820
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 057-616-003 M&OL	Comments	2016 SAP 057-616-003 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	0.3 * 1098967.83 / 60 * 25 * 1.1	\$151,108
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2376 * 41.5 / 20 * 25	\$36,977
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 82442.62 / 60 * 25	\$10,305
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$151,108 + \$36,977 + \$10,305	\$198,390

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-616-045

Original

Current

THIEF RIVER FALLS	Municipality	THIEF RIVER FALLS
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
0.06 MI S TO TH 1	Termini	0.06 MI S TO TH 1
2350	Present AADT	2350
2019	Year of Count	2019
1.2	Projection Factor	1.2
2820	Projected Traffic	2820
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1998	Latest Year SA funds	1998
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.06 * 2789799.78 / 60 * 25 * 1.15	\$80,207
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.06 * 2904 * 41.5 / 15 * 25	\$12,052
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.06 * 94238.2 / 60 * 25	\$2,356
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$80,207 + \$12,052 + \$2,356	\$94,615

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-617-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S CO LINE TO CSAH 3	Termini	S CO LINE TO CSAH 3
465	Present AADT	465
2019	Year of Count	2019
1.2	Projection Factor	1.2
558	Projected Traffic	558
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 57-617-017	Comments	2009 OVERLAY, SAP 57-617-017
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92903	Structure Number	92903
0.77	Milepoint	0.77
1972	Year Built	1972
CO DITCH # 62	Feature Crossed	CO DITCH # 62
	Type of Service	
1	Number of Barrels	1
14	Culvert Width	14
8	Culvert Height	8
100	Culvert Length	100
81.00050028	Area of Waterway Opening	81.00050028
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
92928	Structure Number	92928
3.04	Milepoint	3.04
1972	Year Built	1972
CO DITCH # 16	Feature Crossed	CO DITCH # 16
	Type of Service	
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
44	Culvert Length	44
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 527342.32 / 60 * 25 * 1.1	\$966,794
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 41.5 / 20 * 25	\$438,240
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 12274.63 / 60 * 25	\$20,458
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	100 * 81.00050028 * 18.01 / 100 * 25 * 1.15	\$41,941
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	44 * 65.99992924 * 18.01 / 100 * 25 * 1.15	\$15,037
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert	\$0 + \$966,794 + \$438,240 + \$20,458 + \$41,941 + \$15,037	\$1,482,470

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-617-018**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.5	Segment Length	5.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO S LIM THIEF RIVER FALLS	Termini	CSAH 3 TO S LIM THIEF RIVER FALLS
1750	Present AADT	1750
2019	Year of Count	2019
1.2	Projection Factor	1.2
2100	Projected Traffic	2100
RURAL	Design Type	RURAL
3 - RURAL : 1500 - 6999	Design Group	3 (RURAL : 1500 - 6999)
2009	Latest Year SA funds	2009
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2009 OVERLAY, SAP 57-617-016	Comments	2009 OVERLAY, SAP 57-617-016
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
57J41	Structure Number	57J41
5.21	Milepoint	5.21
2017	Year Built	2017
CD 21	Feature Crossed	CD 21
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
67	Culvert Length	67
68	Area of Waterway Opening	68
100%	Shared Structure	100%
SAP 057-617-018	Comments	SAP 057-617-018
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.5 * 1098967.83 / 60 * 25 * 1.1	\$2,770,315
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.5 * 2376 * 41.5 / 20 * 25	\$677,903
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.5 * 82442.62 / 60 * 25	\$188,931
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	67 * 68 * 18.01 / 100 * 25 * 1.15	\$23,590

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$2,770,315 + \$677,903 + \$188,931 + \$23,590	\$3,660,739
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-617-030

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
FROM TH 59 TO CO RD 75	Termini	FROM TH 59 TO CO RD 75
175	Present AADT	175
2019	Year of Count	2019
1.2	Projection Factor	1.2
210	Projected Traffic	210
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 * 527342.32 / 60 * 25 * 1.1	\$120,849
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 41.5 / 20 * 25	\$54,780
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 12274.63 / 60 * 25	\$2,557
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$120,849 + \$54,780 + \$2,557	\$178,186

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-617-040**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.8	Segment Length	0.8
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM C.R. 75 TO E. R/W LIMITS BNRR	Termini	FROM C.R. 75 TO E. R/W LIMITS BNRR
270	Present AADT	270
2019	Year of Count	2019
1.2	Projection Factor	1.2
324	Projected Traffic	324
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
MINNESOTA NORTHERN RAILROAD, INC.	RailRoad Name	MINNESOTA NORTHERN RAILROAD, INC.
062271B	USDOT Number	062271B
11.28	Located at Milepoint	11.28
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
0	Last Year Protection Upgraded	0
24	Crossing Length	24
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	0.8 * 527342.32 / 60 * 25 * 1.1	\$193,359
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2112 * 41.5 / 20 * 25	\$87,648
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 12274.63 / 60 * 25	\$4,092
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	24 * 1750 / 25 * 25	\$42,000

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$193,359 + \$87,648 + \$4,092 + \$2,000 + \$42,000	\$329,099
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-618-010

Original		Current
THIEF RIVER FALLS	Municipality	THIEF RIVER FALLS
0.55	Segment Length	0.55
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 1 TO N LIMS T.R.F.	Termini	TH 1 TO N LIMS T.R.F.
620	Present AADT	620
2019	Year of Count	2019
1.2	Projection Factor	1.2
744	Projected Traffic	744
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2002	Latest Year SA funds	2002
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
GRADED IN 2000, SAP 57-618-03	Comments	GRADED IN 2000, SAP 57-618-03
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.55 * 527342.32 / 60 * 25 * 1.1	\$132,934
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.55 * 2112 * 41.5 / 20 * 25	\$60,258
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.55 * 12274.63 / 60 * 25	\$2,813
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$132,934 + \$60,258 + \$2,813	\$196,005

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-618-015

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
N LIMS T.R.F. TO CO RD 63	Termini	N LIMS T.R.F. TO CO RD 63
620	Present AADT	620
2019	Year of Count	2019
1.2	Projection Factor	1.2
744	Projected Traffic	744
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 057-618-005 M&OL	Comments	2017 SAP 057-618-005 M&OL
GRADED IN 2000, SAP 57-618-03		GRADED IN 2000, SAP 57-618-03
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	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 * 527342.32 / 60 * 25 * 1.1	\$120,849
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 41.5 / 20 * 25	\$54,780
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 12274.63 / 60 * 25	\$2,557
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$120,849 + \$54,780 + \$2,557	\$178,186

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-618-020

Original	Current
Unassigned/Unknown	Unassigned/Unknown
1	1
BIT CONC OR ASPH	BIT CONC OR ASPH
2	2
NOT DIVIDED	NOT DIVIDED
CO. RD. 63 TO CO. RD. 64	CO. RD. 63 TO CO. RD. 64
270	270
2019	2019
1.2	1.2
324	324
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2017	2017
0	0
No Special Message	No Special Message
2017 SAP 057-618-005 M&OL	2017 SAP 057-618-005 M&OL
GRADED IN 2000, SAP 57-618-03	GRADED IN 2000, SAP 57-618-03
	Interchange Override
	Segment Override

Culvert Information

Status: Original

Original	Current
57J04	57J04
1.02	1.02
1996	1996
CO DITCH # 46	CO DITCH # 46
STREAM CROSSING	STREAM CROSSING
1	1
12	12
5	5
54	54
60.00013138	60.00013138
100%	100%
	Comments
1	Culvert Group Code

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 527342.32 / 60 * 25 * 1.1	\$241,699
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 41.5 / 20 * 25	\$109,560
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 12274.63 / 60 * 25	\$5,114
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	54 * 60.00013138 * 18.01 / 100 * 25 * 1.15	\$16,776

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$241,699 + \$109,560 + \$5,114 + \$16,776	\$373,149
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-618-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.5	Segment Length	1.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
COUNTY ROAD 64 TO NORTH COUNTY LINE	Termini	COUNTY ROAD 64 TO NORTH COUNTY LINE
180	Present AADT	180
2019	Year of Count	2019
1.2	Projection Factor	1.2
216	Projected Traffic	216
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 057-618-005 M&OL	Comments	2017 SAP 057-618-005 M&OL
GRADED IN 2000, SAP 57-618-03		GRADED IN 2000, SAP 57-618-03
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
57508	Structure Number	57508
3.02	Milepoint	3.02
1994	Year Built	1994
JUD DITCH # 30	Feature Crossed	JUD DITCH # 30
	Type of Service	
	Number of Spans	
51.5	Bridge Length	51.5
39.3	Bridge Width	39.3
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.5 * 527342.32 / 60 * 25 * 1.1	\$362,548
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.5 * 2112 * 41.5 / 20 * 25	\$164,340
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.5 * 12274.63 / 60 * 25	\$7,672
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	51.5 * 39.3 * 173 / 80 * 25 * 1.15	\$125,833
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$362,548 + \$164,340 + \$7,672 + \$125,833	\$660,393

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-619-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.7	Segment Length	2.7
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 2 TO CSAH 3	Termini	CSAH 2 TO CSAH 3
45	Present AADT	45
2019	Year of Count	2019
1.2	Projection Factor	1.2
54	Projected Traffic	54
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92786	Structure Number	92786
1.78	Milepoint	1.78
1968	Year Built	1968
CO DITCH # 16	Feature Crossed	CO DITCH # 16
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
44	Culvert Length	44
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	2.7 * 263671.16 / 60 * 25 * 1.1	\$326,293
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.7 * 546 * 10.75 / 2 * 25	\$198,096
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.7 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	44 * 51.00043459 * 18.01 / 100 * 25 * 1.15	\$11,619
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$326,293 + \$198,096 + \$0 + \$11,619	\$536,008

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-620-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.9	Segment Length	3.9
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO TH 59	Termini	CSAH 3 TO TH 59
435	Present AADT	435
2019	Year of Count	2019
1.2	Projection Factor	1.2
522	Projected Traffic	522
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2010 OVERLAY, SAP 57-620-006	Comments	2010 OVERLAY, SAP 57-620-006
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
96806	Structure Number	96806
8.08	Milepoint	8.08
1990	Year Built	1990
CO DITCH # 21	Feature Crossed	CO DITCH # 21
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
10	Culvert Width	10
4	Culvert Height	4
90	Culvert Length	90
39.99972879	Area of Waterway Opening	39.99972879
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.9 * 527342.32 / 60 * 25 * 1.1	\$942,624
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.9 * 2112 * 41.5 / 20 * 25	\$427,284
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.9 * 12274.63 / 60 * 25	\$19,946
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	90 * 39.99972879 * 18.01 / 100 * 25 * 1.15	\$18,640
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$942,624 + \$427,284 + \$19,946 + \$18,640	\$1,408,494

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-620-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.5	Segment Length	3.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 1 TO N CO LINE	Termini	TH 1 TO N CO LINE
530	Present AADT	530
2019	Year of Count	2019
1.2	Projection Factor	1.2
636	Projected Traffic	636
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 057-620-008 M&OL	Comments	2018 SAP 057-620-008 M&OL
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
57509	Structure Number	57509
10.01	Milepoint	10.01
1967	Year Built	1967
JUD DITCH # 30	Feature Crossed	JUD DITCH # 30
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
40.6	Bridge Length	40.6
39.3	Bridge Width	39.3
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.5 * 527342.32 / 60 * 25 * 1.1	\$845,945
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.5 * 2112 * 41.5 / 20 * 25	\$383,460
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.5 * 12274.63 / 60 * 25	\$17,901
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	40.6 * 39.3 * 173 / 80 * 25 * 1.15	\$99,200
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$845,945 + \$383,460 + \$17,901 + \$99,200	\$1,346,506

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-621-010**

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
TH 1 TO NORTH COUNTY LINE	Termini	TH 1 TO NORTH COUNTY LINE
80	Present AADT	80
2019	Year of Count	2019
1.2	Projection Factor	1.2
96	Projected Traffic	96
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
57512	Structure Number	57512
3	Milepoint	3
1998	Year Built	1998
JUD DITCH # 30	Feature Crossed	JUD DITCH # 30
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
51.5	Bridge Length	51.5
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
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$3.5 * 263671.16 / 60 * 25 * 1.1$	\$422,972
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$3.5 * 546 * 10.75 / 2 * 25$	\$256,791
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$3.5 * 0 / 60 * 25$	\$0
Bridge	$\text{BridgeLength} * \text{BridgeWidth} * \text{UnitCost} / \text{BridgeLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$51.5 * 35.5 * 173 / 80 * 25 * 1.15$	\$113,666
Total Segment Cost	Construction + Preservation + ROW + Bridge	$\$422,972 + \$256,791 + \$0 + \$113,666$	\$793,429

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-622-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.8	Segment Length	3.8
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SOUTH COUNTY LINE TO CSAH 3	Termini	SOUTH COUNTY LINE TO CSAH 3
40	Present AADT	40
2019	Year of Count	2019
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.8 * 263671.16 / 60 * 25 * 1.1	\$459,227
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.8 * 546 * 10.75 / 2 * 25	\$278,801
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.8 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$459,227 + \$278,801 + \$0	\$738,028

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-622-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO TH 1	Termini	CSAH 3 TO TH 1
365	Present AADT	365
2019	Year of Count	2019
1.2	Projection Factor	1.2
438	Projected Traffic	438
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
	Comments	
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
57501	Structure Number	57501
7.29	Milepoint	7.29
1963	Year Built	1963
RED LAKE RIVER	Feature Crossed	RED LAKE RIVER
	Type of Service	
	Number of Spans	
165.7	Bridge Length	165.7
32	Bridge Width	32
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	7 * 527342.32 / 60 * 25 * 1.1	\$1,691,890
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 41.5 / 20 * 25	\$766,920
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 12274.63 / 60 * 25	\$35,801
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	165.7 * 32 * 141 / 80 * 25 * 1.15	\$268,683
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,691,890 + \$766,920 + \$35,801 + \$268,683	\$2,763,294

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-622-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.5	Segment Length	3.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 1 TO N CO LINE	Termini	TH 1 TO N CO LINE
180	Present AADT	180
2019	Year of Count	2019
1.2	Projection Factor	1.2
216	Projected Traffic	216
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
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
95157	Structure Number	95157
14	Milepoint	14
1986	Year Built	1986
JUD DITCH # 18	Feature Crossed	JUD DITCH # 18
	Type of Service	
2	Number of Barrels	2
12	Culvert Width	12
9	Culvert Height	9
60	Culvert Length	60
216.00025769	Area of Waterway Opening	216.00025769
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.5 * 527342.32 / 60 * 25 * 1.1	\$845,945
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.5 * 2112 * 41.5 / 20 * 25	\$383,460
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.5 * 12274.63 / 60 * 25	\$17,901
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 216.00025769 * 18.01 / 100 * 25 * 1.15	\$67,105
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$845,945 + \$383,460 + \$17,901 + \$67,105	\$1,314,411

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-623-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.8	Segment Length	3.8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO CO LINE TO CSAH 3	Termini	SO CO LINE TO CSAH 3
500	Present AADT	500
2019	Year of Count	2019
1.2	Projection Factor	1.2
600	Projected Traffic	600
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 057-623-006 M&OL	Comments	2013 SAP 057-623-006 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	3.8 * 527342.32 / 60 * 25 * 1.1	\$918,455
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.8 * 2112 * 41.5 / 20 * 25	\$416,328
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.8 * 12274.63 / 60 * 25	\$19,435
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$918,455 + \$416,328 + \$19,435	\$1,354,218

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-623-020

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 6 TO TH 1	Termini	CSAH 6 TO TH 1
35	Present AADT	35
2019	Year of Count	2019
1.2	Projection Factor	1.2
42	Projected Traffic	42
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	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 263671.16 / 60 * 25 * 1.1	\$483,397
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	\$483,397 + \$293,475 + \$0	\$776,872

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-624-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7	Segment Length	7
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO TH 1	Termini	CSAH 3 TO TH 1
600	Present AADT	600
2019	Year of Count	2019
1.2	Projection Factor	1.2
720	Projected Traffic	720
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 057-624-007 M&OL	Comments	2017 SAP 057-624-007 M&OL
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
57502	Structure Number	57502
1.96	Milepoint	1.96
1969	Year Built	1969
RED LAKE RIVER	Feature Crossed	RED LAKE RIVER
	Type of Service	
	Number of Spans	
194.6	Bridge Length	194.6
33	Bridge Width	33
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7 * 527342.32 / 60 * 25 * 1.1	\$1,691,890
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 2112 * 41.5 / 20 * 25	\$766,920
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 12274.63 / 60 * 25	\$35,801
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	194.6 * 33 * 141 / 80 * 25 * 1.15	\$325,405
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,691,890 + \$766,920 + \$35,801 + \$325,405	\$2,820,016

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-625-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.9	Segment Length	3.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SOUTH COUNTY LINE TO CSAH 3	Termini	SOUTH COUNTY LINE TO CSAH 3
195	Present AADT	195
2019	Year of Count	2019
1.2	Projection Factor	1.2
234	Projected Traffic	234
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
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.9 * 527342.32 / 60 * 25 * 1.1	\$942,624
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.9 * 2112 * 41.5 / 20 * 25	\$427,284
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.9 * 12274.63 / 60 * 25	\$19,946
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$942,624 + \$427,284 + \$19,946	\$1,389,854

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-626-010

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 3 TO TH 1	Termini	CSAH 3 TO TH 1
30	Present AADT	30
2019	Year of Count	2019
1.2	Projection Factor	1.2
36	Projected Traffic	36
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	7 * 263671.16 / 60 * 25 * 1.1	\$845,945
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7 * 546 * 10.75 / 2 * 25	\$513,581
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$845,945 + \$513,581 + \$0	\$1,359,526

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-626-020**

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
TH 1 TO CSAH 9	Termini	TH 1 TO CSAH 9
35	Present AADT	35
2019	Year of Count	2019
1.2	Projection Factor	1.2
42	Projected Traffic	42
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	

Culvert Information

Status: Original

Original		Current
95411	Structure Number	95411
9.543	Milepoint	9.543
1980	Year Built	1980
JUD DITCH # 13	Feature Crossed	JUD DITCH # 13
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
7	Culvert Height	7
36	Culvert Length	36
102.9997591	Area of Waterway Opening	102.9997591
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.5 * 263671.16 / 60 * 25 * 1.1	\$302,123
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	36 * 102.9997591 * 18.01 / 100 * 25 * 1.15	\$19,200
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$302,123 + \$183,422 + \$0 + \$19,200	\$504,745

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-627-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO CO LINE TO C.S.A.H. 3	Termini	SO CO LINE TO C.S.A.H. 3
360	Present AADT	360
2019	Year of Count	2019
1.2	Projection Factor	1.2
432	Projected Traffic	432
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
RECONSTRUCTED UNDER SAP 57-627-010	Comments	RECONSTRUCTED UNDER SAP 57-627-010
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
57521	Structure Number	57521
5.012	Milepoint	5.012
1999	Year Built	1999
RED LAKE RIVER	Feature Crossed	RED LAKE RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
150	Bridge Length	150
38.5	Bridge Width	38.5
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Culvert Information

Status: Original

Original		Current
57J28	Structure Number	57J28
5.79	Milepoint	5.79
2003	Year Built	2003
CO DITCH #43	Feature Crossed	CO DITCH #43
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
7	Culvert Height	7
116	Culvert Length	116
84.00039921	Area of Waterway Opening	84.00039921
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 527342.32 / 60 * 25 * 1.1	\$1,450,191
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 2112 * 41.5 / 20 * 25	\$657,360
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 12274.63 / 60 * 25	\$30,687
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	150 * 38.5 * 141 / 80 * 25 * 1.15	\$292,630
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	116 * 84.00039921 * 18.01 / 100 * 25 * 1.15	\$50,453
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	\$0 + \$1,450,191 + \$657,360 + \$30,687 + \$292,630 + \$50,453	\$2,481,321

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-627-011

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
7.1	Segment Length	7.1
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO TH 1	Termini	CSAH 3 TO TH 1
360	Present AADT	360
2019	Year of Count	2019
1.2	Projection Factor	1.2
432	Projected Traffic	432
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2006	Latest Year SA funds	2006
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
S.P. 57-627-011, 2006	Comments	S.P. 57-627-011, 2006
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	7.1 * 527342.32 / 60 * 25 * 1.1	\$1,716,060
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.1 * 2112 * 41.5 / 20 * 25	\$777,876
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.1 * 12274.63 / 60 * 25	\$36,312
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,716,060 + \$777,876 + \$36,312	\$2,530,248

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-628-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
3.5	Segment Length	3.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 1 TO NO CO LINE	Termini	TH 1 TO NO CO LINE
435	Present AADT	435
2019	Year of Count	2019
1.2	Projection Factor	1.2
522	Projected Traffic	522
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 57-628-004	Comments	SAP 57-628-004
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.5 * 527342.32 / 60 * 25 * 1.1	\$845,945
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.5 * 2112 * 41.5 / 20 * 25	\$383,460
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.5 * 12274.63 / 60 * 25	\$17,901
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$845,945 + \$383,460 + \$17,901	\$1,247,306

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-629-010

Original

Current

GOODRIDGE	Municipality	GOODRIDGE
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
TH 219 TO URDAHL AV	Termini	TH 219 TO URDAHL AV
265	Present AADT	265
2019	Year of Count	2019
1.2	Projection Factor	1.2
318	Projected Traffic	318
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
GRADED, BASE & SURF 2008, SAP 57-629-007	Comments	GRADED, BASE & SURF 2008, SAP 57-629-007
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	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 * 41.5 / 15 * 25	\$42,181
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.21 * 94238.2 / 60 * 25	\$8,246
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$280,724 + \$42,181 + \$8,246	\$331,151

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-629-020

Original		Current
GOODRIDGE	Municipality	GOODRIDGE
0.06	Segment Length	0.06
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
(OSMUND AVE.) FROM VAUGHAN ST. TO PENNINGTON ST.	Termini	(OSMUND AVE.) FROM VAUGHAN ST. TO PENNINGTON ST.
40	Present AADT	40
2019	Year of Count	2019
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.06 * 527342.32 / 60 * 25 * 1.1	\$14,502
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.06 * 2112 * 41.5 / 20 * 25	\$6,574
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.06 * 12274.63 / 60 * 25	\$307
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$14,502 + \$6,574 + \$307	\$21,383

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-629-030

Original		Current
GOODRIDGE	Municipality	GOODRIDGE
0.06	Segment Length	0.06
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
(GUINAN AVE.) FROM VAUGHAN ST. TO PENNINGTON ST.	Termini	(GUINAN AVE.) FROM VAUGHAN ST. TO PENNINGTON ST.
55	Present AADT	55
2019	Year of Count	2019
1.2	Projection Factor	1.2
66	Projected Traffic	66
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.06 * 527342.32 / 60 * 25 * 1.1	\$14,502
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.06 * 2112 * 41.5 / 20 * 25	\$6,574
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.06 * 12274.63 / 60 * 25	\$307
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$14,502 + \$6,574 + \$307	\$21,383

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-629-040

Original		Current
GOODRIDGE	Municipality	GOODRIDGE
0.06	Segment Length	0.06
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
(URDAHL AVE.) FROM VAUGHAN ST. TO PENNINGTON ST.	Termini	(URDAHL AVE.) FROM VAUGHAN ST. TO PENNINGTON ST.
90	Present AADT	90
2019	Year of Count	2019
1.2	Projection Factor	1.2
108	Projected Traffic	108
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.06 * 527342.32 / 60 * 25 * 1.1	\$14,502
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.06 * 2112 * 41.5 / 20 * 25	\$6,574
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.06 * 12274.63 / 60 * 25	\$307
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$14,502 + \$6,574 + \$307	\$21,383

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-629-050

Original		Current
GOODRIDGE	Municipality	GOODRIDGE
0.19	Segment Length	0.19
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
(PENNINGTON ST.) FROM TH 219 TO URDAHL AVE.	Termini	(PENNINGTON ST.) FROM TH 219 TO URDAHL AVE.
90	Present AADT	90
2019	Year of Count	2019
1.2	Projection Factor	1.2
108	Projected Traffic	108
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1997	Latest Year SA funds	1997
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.19 * 527342.32 / 60 * 25 * 1.1	\$45,923
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.19 * 2112 * 41.5 / 20 * 25	\$20,816
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.19 * 12274.63 / 60 * 25	\$972
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$45,923 + \$20,816 + \$972	\$67,711

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-629-060

Original		Current
GOODRIDGE	Municipality	GOODRIDGE
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
(OSMUND AVE) FROM PENNINGTON ST. TO CARL ST.	Termini	(OSMUND AVE) FROM PENNINGTON ST. TO CARL ST.
40	Present AADT	40
2019	Year of Count	2019
1.2	Projection Factor	1.2
48	Projected Traffic	48
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
0	Latest Year SA funds	0
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
NEW SEGMENT IN 2002	Comments	NEW SEGMENT IN 2002
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.06 * 527342.32 / 60 * 25 * 1.1	\$14,502
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.06 * 2112 * 41.5 / 20 * 25	\$6,574
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.06 * 12274.63 / 60 * 25	\$307
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$14,502 + \$6,574 + \$307	\$21,383

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-629-070

Original

Current

GOODRIDGE	Municipality	GOODRIDGE
0.05	Segment Length	0.05
SOIL SURFACED	Existing Surface Type	SOIL SURFACED
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
(CARL ST.) FROM OSMUND AVE TO GUINAN AVE	Termini	(CARL ST.) FROM OSMUND AVE TO GUINAN AVE
55	Present AADT	55
2019	Year of Count	2019
1.2	Projection Factor	1.2
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
	Latest Year SA funds	
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
NEW SEGMENT IN 2002	Comments	NEW SEGMENT IN 2002
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.05 * 263671.16 / 60 * 25 * 1.1$	\$6,042
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.05 * 546 * 10.75 / 2 * 25$	\$3,668
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.05 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	$\$6,042 + \$3,668 + \$0$	\$9,710

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-629-080

Original		Current
GOODRIDGE	Municipality	GOODRIDGE
0.06	Segment Length	0.06
SOIL SURFACED	Existing Surface Type	SOIL SURFACED
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
(GUINAN AVE) FROM CAREL ST. TO PENNINGTON ST.	Termini	(GUINAN AVE) FROM CAREL ST. TO PENNINGTON ST.
55	Present AADT	55
2019	Year of Count	2019
1.2	Projection Factor	1.2
66	Projected Traffic	66
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
	Latest Year SA funds	
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
NEW SEGMENT IN 2002	Comments	NEW SEGMENT IN 2002
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.06 * 263671.16 / 60 * 25 * 1.1	\$7,251
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.06 * 546 * 10.75 / 2 * 25	\$4,402
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.06 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$7,251 + \$4,402 + \$0	\$11,653

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-630-030

Original

Current

THIEF RIVER FALLS	Municipality	THIEF RIVER FALLS
0.3	Segment Length	0.3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 75 TO TH 59	Termini	CO RD 75 TO TH 59
1050	Present AADT	1050
2019	Year of Count	2019
1.2	Projection Factor	1.2
1260	Projected Traffic	1260
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1969	Latest Year SA funds	1969
0	Number of Signal Legs	0
THTB - PRIOR TO 1965	Special Message Code	THTB - PRIOR TO 1965
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.3 * 527342.32 / 60 * 25 * 1.1	\$72,510
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 41.5 / 20 * 25	\$32,868
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 12274.63 / 60 * 25	\$1,534
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$72,510 + \$32,868 + \$1,534	\$106,912

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-631-010

Original

Current

THIEF RIVER FALLS	Municipality	THIEF RIVER FALLS
0.41	Segment Length	0.41
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM 8TH ST TO N LIM THIEF RIVER FALLS	Termini	FROM 8TH ST TO N LIM THIEF RIVER FALLS
1700	Present AADT	1700
2019	Year of Count	2019
1.2	Projection Factor	1.2
2040	Projected Traffic	2040
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1996	Latest Year SA funds	1996
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.41 * 2789799.78 / 60 * 25 * 1.15	\$548,079
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.41 * 2904 * 41.5 / 15 * 25	\$82,353
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.41 * 94238.2 / 60 * 25	\$16,099
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$548,079 + \$82,353 + \$16,099	\$646,531

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-631-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.8	Segment Length	0.8
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM N LIM THIEF RIVER FALLS TO TOWNSHIP RD	Termini	FROM N LIM THIEF RIVER FALLS TO TOWNSHIP RD
540	Present AADT	540
2019	Year of Count	2019
1.2	Projection Factor	1.2
648	Projected Traffic	648
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
COUNTY PLANNING TO CONSTRUCT CURB AND GUTTER SECTION WHEN THEY PROGRAM THIS SEGMENT DUE TO DEVELOPMENT AND LIMITED ROOM BETWEEN HOUSES AND EXISTING ROADWAY THAT WOULD SIGNIFICANTLY IMPACT MANY RESIDENCES IF CONSTRUCTED AS A RURAL SECTION.	Comments	COUNTY PLANNING TO CONSTRUCT CURB AND GUTTER SECTION WHEN THEY PROGRAM THIS SEGMENT DUE TO DEVELOPMENT AND LIMITED ROOM BETWEEN HOUSES AND EXISTING ROADWAY THAT WOULD SIGNIFICANTLY IMPACT MANY RESIDENCES IF CONSTRUCTED AS A RURAL SECTION.
GRADED, BASE & SURF 2008, SAP 57-631-003		GRADED, BASE & SURF 2008, SAP 57-631-003

Interchange Override
Segment Override

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.8 * 2789799.78 / 60 * 25 * 1.15	\$1,069,423
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2904 * 41.5 / 15 * 25	\$160,688
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 94238.2 / 60 * 25	\$31,413
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,069,423 + \$160,688 + \$31,413	\$1,261,524

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-631-021**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM TOWNSHIP RD TO 0.3 MI S OF CO RD 77	Termini	FROM TOWNSHIP RD TO 0.3 MI S OF CO RD 77
540	Present AADT	540
2019	Year of Count	2019
1.2	Projection Factor	1.2
648	Projected Traffic	648
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
COUNTY PLANNING TO UPGRADE THIS SEGMENT TO AN URBAN DESIGN WHEN IT BECOMES PROGRAMMED DUE TO THE DEVELOPMENT AND CLOSENESS OF HOUSES THAT WOULD BE SIGNIFICANTLY IMPACTED IF A RURAL DESIGN WERE CONSTRUCTED.	Comments	COUNTY PLANNING TO UPGRADE THIS SEGMENT TO AN URBAN DESIGN WHEN IT BECOMES PROGRAMMED DUE TO THE DEVELOPMENT AND CLOSENESS OF HOUSES THAT WOULD BE SIGNIFICANTLY IMPACTED IF A RURAL DESIGN WERE CONSTRUCTED.
GRADED, BASE & SURF 2008, SAP 57-631-003		GRADED, BASE & SURF 2008, SAP 57-631-003
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
57504	Structure Number	57504
9.46	Milepoint	9.46
1978	Year Built	1978
THIEF RIVER	Feature Crossed	THIEF RIVER
	Type of Service	
	Number of Spans	
171.5	Bridge Length	171.5
37.3	Bridge Width	37.3
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.4 * 527342.32 / 60 * 25 * 1.1	\$96,679
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2112 * 41.5 / 20 * 25	\$43,824
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 12274.63 / 60 * 25	\$2,046

Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	171.5 * 37.3 * 141 / 80 * 25 * 1.15	\$324,145
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$96,679 + \$43,824 + \$2,046 + \$324,145	\$466,694

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-631-022

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.3	Segment Length	0.3
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM 0.3 MI S TO CO RD 77	Termini	FROM 0.3 MI S TO CO RD 77
260	Present AADT	260
2019	Year of Count	2019
1.2	Projection Factor	1.2
312	Projected Traffic	312
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2008	Latest Year SA funds	2008
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
GRADED, BASE & SURF 2008, SAP 57-631-003	Comments	GRADED, BASE & SURF 2008, SAP 57-631-003
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.3 * 527342.32 / 60 * 25 * 1.1	\$72,510
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 41.5 / 20 * 25	\$32,868
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 12274.63 / 60 * 25	\$1,534
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$72,510 + \$32,868 + \$1,534	\$106,912

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

PENNINGTON

Segment Nbr : 057-631-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM COUNTY ROAD 77 TO CSAH 18	Termini	FROM COUNTY ROAD 77 TO CSAH 18
50	Present AADT	50
2019	Year of Count	2019
1.2	Projection Factor	1.2
60	Projected Traffic	60
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 263671.16 / 60 * 25 * 1.1	\$120,849
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	\$120,849 + \$73,369 + \$0	\$194,218

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : PENNINGTON Segment Nbr : 057-631-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.5	Segment Length	4.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 14 TO TH 59	Termini	CSAH 14 TO TH 59
375	Present AADT	375
2019	Year of Count	2019
1.2	Projection Factor	1.2
450	Projected Traffic	450
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 057-631-007 PH2 PAVING	Comments	2014 SAP 057-631-007 PH2 PAVING
2013 SAP 057-631-005 G&B PHASE1		2013 SAP 057-631-005 G&B PHASE1
THIS SEGMENT WAS DESIGNATED A CSAH IN 2004		THIS SEGMENT WAS DESIGNATED A CSAH IN 2004
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.5 * 527342.32 / 60 * 25 * 1.1	\$1,087,644
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.5 * 2112 * 41.5 / 20 * 25	\$493,020
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.5 * 12274.63 / 60 * 25	\$23,015
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,087,644 + \$493,020 + \$23,015	\$1,603,679

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **PENNINGTON** Segment Nbr : **057-631-050**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.8	Segment Length	0.8
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 59 TO TH 32	Termini	TH 59 TO TH 32
600	Present AADT	600
2019	Year of Count	2019
1.2	Projection Factor	1.2
720	Projected Traffic	720
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
THIS CSAH WAS DESIGNATED IN 2004	Comments	THIS CSAH WAS DESIGNATED IN 2004
GRADED 2010, SAP 57-631-004		GRADED 2010, SAP 57-631-004
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
MINNESOTA NORTHERN RAILROAD, INC.	RailRoad Name	MINNESOTA NORTHERN RAILROAD, INC.
062275D	USDOT Number	062275D
5.14	Located at Milepoint	5.14
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
2010	Last Year Protection Upgraded	2010
40	Crossing Length	40
2010	Last Year Surfaced	2010
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	0.8 * 527342.32 / 60 * 25 * 1.1	\$193,359
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.8 * 2112 * 41.5 / 20 * 25	\$87,648
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.8 * 12274.63 / 60 * 25	\$4,092
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 + \$193,359 + \$87,648 + \$4,092 + \$2,000 + \$70,000	\$357,099
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