

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-601-010

Original		Current
RED LAKE FALLS	Municipality	RED LAKE FALLS
0.22	Segment Length	0.22
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 32 TO 1ST ST ON HAMILTON	Termini	TH 32 TO 1ST ST ON HAMILTON
890	Present AADT	890
2018	Year of Count	2018
1	Projection Factor	1
890	Projected Traffic	890
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
MILL & OVERLAY 2010 SAP 63-601-017	Comments	MILL & OVERLAY 2010 SAP 63-601-017

Interchange Override
Segment Override

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.22 * 2789799.78 / 60 * 25 * 1.15	\$294,091
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.22 * 2904 * 48.2 / 15 * 25	\$51,323
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.22 * 94238.2 / 60 * 25	\$8,639
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$294,091 + \$51,323 + \$8,639	\$354,053

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-601-020

Original		Current
RED LAKE FALLS	Municipality	RED LAKE FALLS
0.2	Segment Length	0.2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
HAMILTON AVE TO 0.2 MI E	Termini	HAMILTON AVE TO 0.2 MI E
890	Present AADT	890
2018	Year of Count	2018
1	Projection Factor	1
890	Projected Traffic	890
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
MILL & OVERLAY 2010	Comments	MILL & OVERLAY 2010
SAP 63-601-017		SAP 63-601-017
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 411454.29 / 60 * 25 * 1.1	\$37,717
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 48.2 / 20 * 25	\$25,450
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 7098.38 / 60 * 25	\$592
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$37,717 + \$25,450 + \$592	\$63,759

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-601-030

Original		Current
RED LAKE FALLS	Municipality	RED LAKE FALLS
0.22	Segment Length	0.22
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.2 MI E OF HAMILTON AVE TO E CITY LIMITS	Termini	0.2 MI E OF HAMILTON AVE TO E CITY LIMITS
760	Present AADT	760
2018	Year of Count	2018
1	Projection Factor	1
760	Projected Traffic	760
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
MILL & OVERLAY 2010 SAP 63-601-017	Comments	MILL & OVERLAY 2010 SAP 63-601-017
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.22 * 411454.29 / 60 * 25 * 1.1	\$41,488
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.22 * 2112 * 48.2 / 20 * 25	\$27,995
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.22 * 7098.38 / 60 * 25	\$651
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$41,488 + \$27,995 + \$651	\$70,134

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-601-040

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.3	Segment Length	0.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIMS RED LAKE FALLS TO 0.3 MI E	Termini	E LIMS RED LAKE FALLS TO 0.3 MI E
760	Present AADT	760
2018	Year of Count	2018
1	Projection Factor	1
760	Projected Traffic	760
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
MILL & OVERLAY 2010 SAP 63-601-017	Comments	MILL & OVERLAY 2010 SAP 63-601-017
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.3 * 411454.29 / 60 * 25 * 1.1	\$56,575
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 48.2 / 20 * 25	\$38,174
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 7098.38 / 60 * 25	\$887
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$56,575 + \$38,174 + \$887	\$95,636

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-601-041

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.5	Segment Length	2.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.3 MI E OF E LIMS RED LAKE FALLS TO CSAH 2	Termini	0.3 MI E OF E LIMS RED LAKE FALLS TO CSAH 2
410	Present AADT	410
2018	Year of Count	2018
1	Projection Factor	1
410	Projected Traffic	410
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
MILL & OVERLAY 2010 SAP 63-601-017	Comments	MILL & OVERLAY 2010 SAP 63-601-017
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.5 * 411454.29 / 60 * 25 * 1.1	\$471,458
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 2112 * 48.2 / 20 * 25	\$318,120
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 7098.38 / 60 * 25	\$7,394
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$471,458 + \$318,120 + \$7,394	\$796,972

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-601-050

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.5	Segment Length	3.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 2 TO CSAH 12	Termini	CSAH 2 TO CSAH 12
410	Present AADT	410
2018	Year of Count	2018
1	Projection Factor	1
410	Projected Traffic	410
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
MILL & OVERLAY 2010	Comments	MILL & OVERLAY 2010
SAP 63-601-017		SAP 63-601-017
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.5 * 411454.29 / 60 * 25 * 1.1	\$660,041
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.5 * 2112 * 48.2 / 20 * 25	\$445,368
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.5 * 7098.38 / 60 * 25	\$10,352
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$660,041 + \$445,368 + \$10,352	\$1,115,761

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-601-060**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.9	Segment Length	4.9
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO W LIMS PLUMMER	Termini	CSAH 12 TO W LIMS PLUMMER
410	Present AADT	410
2018	Year of Count	2018
1	Projection Factor	1
410	Projected Traffic	410
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
MILL & OVERLAY 2010	Comments	MILL & OVERLAY 2010
SAP 63-601-017		SAP 63-601-017
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.9 * 411454.29 / 60 * 25 * 1.1	\$924,058
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.9 * 2112 * 48.2 / 20 * 25	\$623,515
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.9 * 7098.38 / 60 * 25	\$14,493
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$924,058 + \$623,515 + \$14,493	\$1,562,066

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-601-070

Original	Current
PLUMMER	PLUMMER
1.4	1.4
MIXED BITUMINOUS	MIXED BITUMINOUS
2	2
NOT DIVIDED	NOT DIVIDED
W LIMS PLUMMER TO TH 59	W LIMS PLUMMER TO TH 59
390	390
2018	2018
1	1
390	390
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2017	2017
0	0
No Special Message	No Special Message
2017 063-601-020 Intersection Improvement Paving MILL & OVERLAY 2010 SAP 63-601-017	2017 063-601-020 Intersection Improvement Paving MILL & OVERLAY 2010 SAP 63-601-017
	Interchange Override
	Segment Override

RailRoadCrossing Information

Status: Original

Original	Current
CANADIAN PACIFIC RAILWAY	CANADIAN PACIFIC RAILWAY
695825B	695825B
1.3	1.3
1	1
SIGNALS ONLY	SIGNALS ONLY
1994	1994
33	33
100%	100%

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.4 * 411454.29 / 60 * 25 * 1.1	\$264,017
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.4 * 2112 * 48.2 / 20 * 25	\$178,147
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.4 * 7098.38 / 60 * 25	\$4,141
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	300000 / 25 * 25	\$300,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	33 * 1750 / 25 * 25	\$57,750

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$0 + \$264,017 + \$178,147 + \$4,141 + \$300,000 + \$57,750	\$804,055
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-601-080

Original		Current
PLUMMER	Municipality	PLUMMER
0.6	Segment Length	0.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 59 TO E LIM PLUMMER	Termini	TH 59 TO E LIM PLUMMER
540	Present AADT	540
2018	Year of Count	2018
1	Projection Factor	1
540	Projected Traffic	540
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 063-601-020 Intersection Improvement Paving	Comments	2017 063-601-020 Intersection Improvement 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	0.6 * 411454.29 / 60 * 25 * 1.1	\$113,150
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.6 * 2112 * 48.2 / 20 * 25	\$76,349
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.6 * 7098.38 / 60 * 25	\$1,775
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$113,150 + \$76,349 + \$1,775	\$191,274

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-601-090**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.5	Segment Length	7.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM PLUMMER TO CSAH 5	Termini	E LIM PLUMMER TO CSAH 5
540	Present AADT	540
2018	Year of Count	2018
1	Projection Factor	1
540	Projected Traffic	540
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
63J09	Structure Number	63J09
15.36	Milepoint	15.36
1999	Year Built	1999
CO DITCH # 57	Feature Crossed	CO DITCH # 57
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
	Culvert Width	
	Culvert Height	
60	Culvert Length	60
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	7.5 * 411454.29 / 60 * 25 * 1.1	\$1,414,374
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	7.5 * 2112 * 48.2 / 20 * 25	\$954,360
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	7.5 * 7098.38 / 60 * 25	\$22,182
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 65.99992924 * 18.01 / 100 * 25 * 1.15	\$20,504
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,414,374 + \$954,360 + \$22,182 + \$20,504	\$2,411,420

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-601-100

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 5 TO CSAH 10	Termini	CSAH 5 TO CSAH 10
155	Present AADT	155
2018	Year of Count	2018
1	Projection Factor	1
155	Projected Traffic	155
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 063-601-019 M&OL	Comments	2012 SAP 063-601-019 M&OL
25 YEAR REINSTATMENT		25 YEAR REINSTATMENT
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 411454.29 / 60 * 25 * 1.1	\$754,333
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 48.2 / 20 * 25	\$508,992
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 7098.38 / 60 * 25	\$11,831
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$754,333 + \$508,992 + \$11,831	\$1,275,156

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-602-005**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM CSAH 1 (ON 195TH ST) TO 130TH AVE E/W ROUTE	Termini	FROM CSAH 1 (ON 195TH ST) TO 130TH AVE E/W ROUTE
190	Present AADT	190
2018	Year of Count	2018
1	Projection Factor	1
190	Projected Traffic	190
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SP 063-602-010 M&OL CSAH1 TO PENN CO	Comments	2015 SP 063-602-010 M&OL CSAH1 TO PENN CO
WAS CAR # 109, CONVERTED TO ADDL SEGMENT 005 CSAH #2 2015, COMMISH ORDER 94820, DELETED CSAH # 27, CONVETED TO CAR 124		WAS CAR # 109, CONVERTED TO ADDL SEGMENT 005 CSAH #2 2015, COMMISH ORDER 94820, DELETED CSAH # 27, CONVETED TO CAR 124

Interchange Override
Segment Override

Segment Cost Information

Computation Factor	Computation 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 * 411454.29 / 60 * 25 * 1.1	\$377,166
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 48.2 / 20 * 25	\$254,496
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 7098.38 / 60 * 25	\$5,915
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$377,166 + \$254,496 + \$5,915	\$637,577

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-602-009

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.6	Segment Length	0.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO 0.6 MI N (N/S ROUTE)	Termini	CSAH 1 TO 0.6 MI N (N/S ROUTE)
45	Present AADT	45
2018	Year of Count	2018
1	Projection Factor	1
45	Projected Traffic	45
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SP 063-602-010 M&OL CSAH1 TO PENN CO	Comments	2015 SP 063-602-010 M&OL CSAH1 TO PENN CO
OVERLAY 63-602-07, 2 LIFTS, 1.5 " BIT 2008		OVERLAY 63-602-07, 2 LIFTS, 1.5 " BIT 2008
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.6 * 411454.29 / 60 * 25 * 1.1	\$113,150
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.6 * 2112 * 48.2 / 20 * 25	\$76,349
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.6 * 7098.38 / 60 * 25	\$1,775
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$113,150 + \$76,349 + \$1,775	\$191,274

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-602-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.4	Segment Length	2.4
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.6 MI NO OF CSAH 1 TO CSAH 23	Termini	0.6 MI NO OF CSAH 1 TO CSAH 23
290	Present AADT	290
2018	Year of Count	2018
1	Projection Factor	1
290	Projected Traffic	290
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SP 063-602-010 M&OL CSAH1 TO PENN CO	Comments	2015 SP 063-602-010 M&OL CSAH1 TO PENN CO
OVERLAY 63-602-07, 2 LIFTS, 1.5 " BIT 2008		OVERLAY 63-602-07, 2 LIFTS, 1.5 " BIT 2008
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.4 * 411454.29 / 60 * 25 * 1.1	\$452,600
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.4 * 2112 * 48.2 / 20 * 25	\$305,395
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.4 * 7098.38 / 60 * 25	\$7,098
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$452,600 + \$305,395 + \$7,098	\$765,093

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-602-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.2	Segment Length	4.2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 23 TO NO CO LINE	Termini	CSAH 23 TO NO CO LINE
290	Present AADT	290
2018	Year of Count	2018
1	Projection Factor	1
290	Projected Traffic	290
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2015 SP 063-602-010 M&OL CSAH1 TO PENN CO	Comments	2015 SP 063-602-010 M&OL CSAH1 TO PENN CO
63-602-07 2 LIFTS OF 1.5 IN. BIT 2008		63-602-07 2 LIFTS OF 1.5 IN. BIT 2008
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.2 * 411454.29 / 60 * 25 * 1.1	\$792,050
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.2 * 2112 * 48.2 / 20 * 25	\$534,442
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.2 * 7098.38 / 60 * 25	\$12,422
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$792,050 + \$534,442 + \$12,422	\$1,338,914

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : **RED LAKE** Segment Nbr : **063-603-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 11 TO CSAH 18	Termini	CSAH 11 TO CSAH 18
270	Present AADT	270
2018	Year of Count	2018
1	Projection Factor	1
270	Projected Traffic	270
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1988	Latest Year SA funds	2020
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	2020 overlay to 10-ton; SAP 063-603-011
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
63507	Structure Number	63507
0.76	Milepoint	0.76
1982	Year Built	1982
RED LAKE RIVER	Feature Crossed	RED LAKE RIVER
	Type of Service	
	Number of Spans	
624.6	Bridge Length	624.6
39.3	Bridge Width	39.3
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 411454.29 / 60 * 25 * 1.1	\$377,166
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 48.2 / 20 * 25	\$254,496
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 7098.38 / 60 * 25	\$5,915
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	624.6 * 39.3 * 141 / 80 * 25 * 1.15	\$1,243,831
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$377,166 + \$254,496 + \$5,915 + \$1,243,831	\$1,881,408

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : RED LAKE Segment Nbr : 063-603-020

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 18 TO DOROTHY	Termini	CSAH 18 TO DOROTHY
270	Present AADT	270
2018	Year of Count	2018
1	Projection Factor	1
270	Projected Traffic	270
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1988	Latest Year SA funds	2020
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	2020 overlay to 10-ton; SAP 063-603-011
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 411454.29 / 60 * 25 * 1.1	\$735,475
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.9 * 2112 * 48.2 / 20 * 25	\$496,267
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.9 * 7098.38 / 60 * 25	\$11,535
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$735,475 + \$496,267 + \$11,535	\$1,243,277

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

RED LAKE

Segment Nbr : 063-603-030

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
0.6	Segment Length	0.6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
DOROTHY TO CSAH 13	Termini	DOROTHY TO CSAH 13
225	Present AADT	225
2018	Year of Count	2018
1	Projection Factor	1
225	Projected Traffic	225
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1977	Latest Year SA funds	2020
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	2020 overlay to 10-ton; SAP 063-603-011
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	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 * 411454.29 / 60 * 25 * 1.1	\$113,150
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.6 * 2112 * 48.2 / 20 * 25	\$76,349
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.6 * 7098.38 / 60 * 25	\$1,775
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$113,150 + \$76,349 + \$1,775	\$191,274

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : RED LAKE

Segment Nbr : 063-603-040

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 13 TO N CO LINE	Termini	CSAH 13 TO N CO LINE
225	Present AADT	225
2018	Year of Count	2018
1	Projection Factor	1
225	Projected Traffic	225
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2013	Latest Year SA funds	2020
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2013 SAP 063-603-010 M&OL	Comments	2020 overlay to 10-ton; SAP 063-603-011
		2013 SAP 063-603-010 M&OL

Interchange Override
Segment Override

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.1 * 411454.29 / 60 * 25 * 1.1	\$396,025
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.1 * 2112 * 48.2 / 20 * 25	\$267,221
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.1 * 7098.38 / 60 * 25	\$6,211
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$396,025 + \$267,221 + \$6,211	\$669,457

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-604-010

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 13 TO 2.7 MI N	Termini	CSAH 13 TO 2.7 MI N
65	Present AADT	65
2018	Year of Count	2018
1	Projection Factor	1
65	Projected Traffic	65
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.7 * 205727.15 / 60 * 25 * 1.1	\$254,587
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
Total Segment Cost	Construction + Preservation + ROW	\$254,587 + \$198,096 + \$0	\$452,683

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-604-011**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.3	Segment Length	0.3
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.7 MI TO 3.0 MI N OF CSAH 13	Termini	2.7 MI TO 3.0 MI N OF CSAH 13
65	Present AADT	65
2018	Year of Count	2018
1	Projection Factor	1
65	Projected Traffic	65
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1989	Latest Year SA funds	1989
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
96852	Structure Number	96852
2.84	Milepoint	2.84
1990	Year Built	1990
BROWNS CREEK (CD #13)	Feature Crossed	BROWNS CREEK (CD #13)
	Type of Service	
2	Number of Barrels	2
9	Culvert Width	9
5	Culvert Height	5
72	Culvert Length	72
68.99982817	Area of Waterway Opening	68.99982817
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.3 * 205727.15 / 60 * 25 * 1.1	\$28,287
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 546 * 10.75 / 2 * 25	\$22,011
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	72 * 68.99982817 * 18.01 / 100 * 25 * 1.15	\$25,724
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$28,287 + \$22,011 + \$0 + \$25,724	\$76,022

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-604-012

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
3.0 MI N OF CSAH 13 TO N CO LINE	Termini	3.0 MI N OF CSAH 13 TO N CO LINE
65	Present AADT	65
2018	Year of Count	2018
1	Projection Factor	1
65	Projected Traffic	65
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$1 * 205727.15 / 60 * 25 * 1.1$	\$94,292
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$1 * 546 * 10.75 / 2 * 25$	\$73,369
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$1 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	\$94,292 + \$73,369 + \$0	\$167,661

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :	RED LAKE	Segment Nbr : 063-605-010
Original	Current	
OKLEE	Municipality	OKLEE
0.29	Segment Length	0.29
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
(1ST AVE) END OF TH 222 TO N LIMITS OKLEE	Termini	(1ST AVE) END OF TH 222 TO N LIMITS OKLEE
1000	Present AADT	1000
2018	Year of Count	2018
1	Projection Factor	1
1000	Projected Traffic	1000
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 063-605-010 M&OL	Comments	2014 SAP 063-605-010 M&OL
2006 - 63-605-09 - MILL BITUMINOUS SURFACE 1.5" - 3" BITUMINOUS OVERLAY AND 3" AGGREGATE SHOULDERING CL 1 MODIFIED		2006 - 63-605-09 - MILL BITUMINOUS SURFACE 1.5" - 3" BITUMINOUS OVERLAY AND 3" AGGREGATE SHOULDERING CL 1 MODIFIED
	Interchange Override	
	Segment Override	

Bridge Information		Status: Original
Original	Current	
63502	Structure Number	63502
0.25	Milepoint	0.25
1964	Year Built	1964
LOST RIVER	Feature Crossed	LOST RIVER
	Type of Service	
	Number of Spans	
143.6	Bridge Length	143.6
31.7	Bridge Width	31.7
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

RailRoadCrossing Information		Status: Original
Original	Current	
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
696137S	USDOT Number	696137S
0.2	Located at Milepoint	0.2
1	Mainline Tracks	1
SIGNALS ONLY	Protection Type	SIGNALS ONLY
	Last Year Protection Upgraded	
28	Crossing Length	28
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.29 * 411454.29 / 60 * 25 * 1.1	\$54,689
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.29 * 2112 * 48.2 / 20 * 25	\$36,902
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.29 * 7098.38 / 60 * 25	\$858
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	143.6 * 31.7 * 173 / 80 * 25 * 1.15	\$283,014
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	300000 / 25 * 25	\$300,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	28 * 1750 / 25 * 25	\$49,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + RR Crossing Protection + RR Crossing Surface	\$0 + \$54,689 + \$36,902 + \$858 + \$283,014 + \$300,000 + \$49,000	\$724,463

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-605-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.1	Segment Length	4.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N LIM OKLEE TO 4.1 MI N	Termini	N LIM OKLEE TO 4.1 MI N
1000	Present AADT	1000
2018	Year of Count	2018
1	Projection Factor	1
1000	Projected Traffic	1000
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 063-605-010 M&OL	Comments	2014 SAP 063-605-010 M&OL
2006 - 63-605-09 - MILL BITUMINOUS SURFACE 1.5" - 3" BITUMINOUS OVERLAY AND 3" AGGREGATE SHOULDERING CL 1 MODIFIED		2006 - 63-605-09 - MILL BITUMINOUS SURFACE 1.5" - 3" BITUMINOUS OVERLAY AND 3" AGGREGATE SHOULDERING CL 1 MODIFIED
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93496	Structure Number	93496
3.56	Milepoint	3.56
1980	Year Built	1980
CO DITCH # 61	Feature Crossed	CO DITCH # 61
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
6	Culvert Height	6
80	Culvert Length	80
58.00019876	Area of Waterway Opening	58.00019876
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.1 * 411454.29 / 60 * 25 * 1.1	\$773,191
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.1 * 2112 * 48.2 / 20 * 25	\$521,717
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.1 * 7098.38 / 60 * 25	\$12,126

Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	80 * 58.00019876 * 18.01 / 100 * 25 * 1.15	\$24,025
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$773,191 + \$521,717 + \$12,126 + \$24,025	\$1,331,059

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-605-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.1	Segment Length	2.1
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
4.1 MI NO OF OKLEE TO 2.1 MI SO OF NO CO LINE	Termini	4.1 MI NO OF OKLEE TO 2.1 MI SO OF NO CO LINE
510	Present AADT	510
2018	Year of Count	2018
1	Projection Factor	1
510	Projected Traffic	510
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 063-605-010 M&OL	Comments	2014 SAP 063-605-010 M&OL
2006 - 63-605-09 - MILL BITUMINOUS SURFACE 1.5" - 3" BITUMINOUS OVERLAY AND 3" AGGREGATE SHOULDER CL 1 MODIFIED		2006 - 63-605-09 - MILL BITUMINOUS SURFACE 1.5" - 3" BITUMINOUS OVERLAY AND 3" AGGREGATE SHOULDER CL 1 MODIFIED
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 411454.29 / 60 * 25 * 1.1	\$396,025
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.1 * 2112 * 48.2 / 20 * 25	\$267,221
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.1 * 7098.38 / 60 * 25	\$6,211
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$396,025 + \$267,221 + \$6,211	\$669,457

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-605-040**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
2.1 MI S TO 1.7 MI S OF N CO LINE	Termini	2.1 MI S TO 1.7 MI S OF N CO LINE
510	Present AADT	510
2018	Year of Count	2018
1	Projection Factor	1
510	Projected Traffic	510
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 063-605-010 M&OL	Comments	2014 SAP 063-605-010 M&OL
2006 - 63-605-09 - MILL BITUMINOUS SURFACE 1.5" - 3" BITUMINOUS OVERLAY AND 3" AGGREGATE SHOULDERING CL1 MODIFIED		2006 - 63-605-09 - MILL BITUMINOUS SURFACE 1.5" - 3" BITUMINOUS OVERLAY AND 3" AGGREGATE SHOULDERING CL1 MODIFIED
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
63506	Structure Number	63506
6.6	Milepoint	6.6
1979	Year Built	1979
CLEARWATER RIVER	Feature Crossed	CLEARWATER RIVER
	Type of Service	
	Number of Spans	
158.6	Bridge Length	158.6
40	Bridge Width	40
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 * 411454.29 / 60 * 25 * 1.1	\$75,433
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2112 * 48.2 / 20 * 25	\$50,899
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 7098.38 / 60 * 25	\$1,183
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	158.6 * 40 * 141 / 80 * 25 * 1.15	\$321,462

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$75,433 + \$50,899 + \$1,183 + \$321,462	\$448,977
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-605-050**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.7	Segment Length	1.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.7 MI S TO N CO LINE	Termini	1.7 MI S TO N CO LINE
510	Present AADT	510
2018	Year of Count	2018
1	Projection Factor	1
510	Projected Traffic	510
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 063-605-010 M&OL	Comments	2014 SAP 063-605-010 M&OL
2006 - 63-605-09 - MILL BITUMINOUS SURFACE 1.5" - 3" BITUMINOUS OVERLAY AND 3" AGGREGATE SHOULDERING CL 1 MODIFIED		2006 - 63-605-09 - MILL BITUMINOUS SURFACE 1.5" - 3" BITUMINOUS OVERLAY AND 3" AGGREGATE SHOULDERING CL 1 MODIFIED
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.7 * 411454.29 / 60 * 25 * 1.1	\$320,591
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.7 * 2112 * 48.2 / 20 * 25	\$216,322
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.7 * 7098.38 / 60 * 25	\$5,028
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$320,591 + \$216,322 + \$5,028	\$541,941

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-606-010**

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 5 TO CO RD 133	Termini	CSAH 5 TO CO RD 133
300	Present AADT	300
2018	Year of Count	2018
1	Projection Factor	1
300	Projected Traffic	300
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
MILL & OVERLAY 1 1/2" BASE COURSE MIXTURE AND 2" WEAR COURSE MIXTURE AND 2" AGGREGATE SHOULDERING	Comments	MILL & OVERLAY 1 1/2" BASE COURSE MIXTURE AND 2" WEAR COURSE MIXTURE AND 2" AGGREGATE SHOULDERING
SAP 63-606-010		SAP 63-606-010
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1 * 411454.29 / 60 * 25 * 1.1	\$188,583
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1 * 2112 * 48.2 / 20 * 25	\$127,248
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1 * 7098.38 / 60 * 25	\$2,958
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$188,583 + \$127,248 + \$2,958	\$318,789

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-606-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.5	Segment Length	2.5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CO RD 133 TO 0.5 MI W CSAH 10	Termini	CO RD 133 TO 0.5 MI W CSAH 10
300	Present AADT	300
2018	Year of Count	2018
1	Projection Factor	1
300	Projected Traffic	300
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
MILL & OVERLAY 1 1/2" BASE COURSE MIXTURE AND 2" WEAR COURSE MIXTURE AND 2" AGGREGATE SHOULDERING	Comments	MILL & OVERLAY 1 1/2" BASE COURSE MIXTURE AND 2" WEAR COURSE MIXTURE AND 2" AGGREGATE SHOULDERING
SAP 63-606-010		SAP 63-606-010
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
97346	Structure Number	97346
1.1	Milepoint	1.1
1992	Year Built	1992
DITCH # 7	Feature Crossed	DITCH # 7
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
8	Culvert Height	8
60	Culvert Length	60
65.99992924	Area of Waterway Opening	65.99992924
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.5 * 411454.29 / 60 * 25 * 1.1	\$471,458
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.5 * 2112 * 48.2 / 20 * 25	\$318,120
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.5 * 7098.38 / 60 * 25	\$7,394

Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	60 * 65.99992924 * 18.01 / 100 * 25 * 1.15	\$20,504
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$471,458 + \$318,120 + \$7,394 + \$20,504	\$817,476

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-606-030**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.50 M W TO CSAH 10	Termini	0.50 M W TO CSAH 10
300	Present AADT	300
2018	Year of Count	2018
1	Projection Factor	1
300	Projected Traffic	300
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
MILL & OVERLAY 1 1/2" BASE COURSE MIXTURE AND 2" WEAR COURSE MIXTURE AND 2" AGGRGATE SHOULDERING	Comments	MILL & OVERLAY 1 1/2" BASE COURSE MIXTURE AND 2" WEAR COURSE MIXTURE AND 2" AGGRGATE SHOULDERING
SAP 63-606-010		SAP 63-606-010
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 411454.29 / 60 * 25 * 1.1	\$94,292
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 48.2 / 20 * 25	\$63,624
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 7098.38 / 60 * 25	\$1,479
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$94,292 + \$63,624 + \$1,479	\$159,395

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-607-010

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
TH 59 TO CSAH 8	Termini	TH 59 TO CSAH 8
385	Present AADT	385
2018	Year of Count	2018
1	Projection Factor	1
385	Projected Traffic	385
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2014	Latest Year SA funds	2014
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2014 SP 063-607-006 M&OL ER	Comments	2014 SP 063-607-006 M&OL ER
3" BITUMINOUS OVERLAY - 2005 - SAP 63-607-05		3" BITUMINOUS OVERLAY - 2005 - SAP 63-607-05
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 411454.29 / 60 * 25 * 1.1	\$1,056,066
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.6 * 2112 * 48.2 / 20 * 25	\$712,589
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.6 * 7098.38 / 60 * 25	\$16,563
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$1,056,066 + \$712,589 + \$16,563	\$1,785,218

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-608-010

Original	Current
Unassigned/Unknown	Unassigned/Unknown
2	2
BIT CONC OR ASPH	BIT CONC OR ASPH
2	2
NOT DIVIDED	NOT DIVIDED
S CO LINE TO 0.2 MI S TH 92	S CO LINE TO 0.2 MI S TH 92
400	400
2018	2018
1	1
400	400
RURAL	RURAL
2 - RURAL : 150 - 1499	2 (RURAL : 150 - 1499)
2014	2014
0	0
No Special Message	No Special Message
2014 SAP 063-608-010 M&OL	2014 SAP 063-608-010 M&OL
3" BITUMINOUS OVERLAY - 2005 - SAP 63-608-09	3" BITUMINOUS OVERLAY - 2005 - SAP 63-608-09
	Interchange Override
	Segment Override

Culvert Information

Status: Original

Original	Current
94205	94205
1.7	1.7
1991	1991
HILL RIVER	HILL RIVER
STREAM CROSSING	STREAM CROSSING
2	2
10	10
8	8
64	64
156.00012631	156.00012631
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	2 * 411454.29 / 60 * 25 * 1.1	\$377,166
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 48.2 / 20 * 25	\$254,496
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 7098.38 / 60 * 25	\$5,915
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	64 * 156.00012631 * 18.01 / 100 * 25 * 1.15	\$51,696

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$377,166 + \$254,496 + \$5,915 + \$51,696	\$689,273
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-608-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.2 MI SO TO TH 92	Termini	0.2 MI SO TO TH 92
400	Present AADT	400
2018	Year of Count	2018
1	Projection Factor	1
400	Projected Traffic	400
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
3" BITUMINOUS OVERLAY - 2005 - SAP 63-608-09	Comments	3" BITUMINOUS OVERLAY - 2005 - SAP 63-608-09
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 411454.29 / 60 * 25 * 1.1	\$37,717
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 48.2 / 20 * 25	\$25,450
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 7098.38 / 60 * 25	\$592
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$37,717 + \$25,450 + \$592	\$63,759

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-609-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2.1	Segment Length	2.1
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 13 TO N CO LINE	Termini	CSAH 13 TO N CO LINE
325	Present AADT	325
2018	Year of Count	2018
1	Projection Factor	1
325	Projected Traffic	325
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
63-609-06 OVERLAY 2" BIT 2008	Comments	63-609-06 OVERLAY 2" BIT 2008
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.1 * 411454.29 / 60 * 25 * 1.1	\$396,025
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.1 * 2112 * 48.2 / 20 * 25	\$267,221
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.1 * 7098.38 / 60 * 25	\$6,211
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$396,025 + \$267,221 + \$6,211	\$669,457

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-610-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO CO LINE TO CSAH 1	Termini	SO CO LINE TO CSAH 1
195	Present AADT	195
2018	Year of Count	2018
1	Projection Factor	1
195	Projected Traffic	195
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 063-610-008 Overlay	Comments	2018 SAP 063-610-008 Overlay
FINAL BASE AND BITUMINOUS TO 9 TON - 2005 - SAP 63-610-07		FINAL BASE AND BITUMINOUS TO 9 TON - 2005 - SAP 63-610-07
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation 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 * 411454.29 / 60 * 25 * 1.1	\$754,333
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 48.2 / 20 * 25	\$508,992
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 7098.38 / 60 * 25	\$11,831
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$754,333 + \$508,992 + \$11,831	\$1,275,156

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-610-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4	Segment Length	4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO N CO LINE	Termini	CSAH 1 TO N CO LINE
195	Present AADT	195
2018	Year of Count	2018
1	Projection Factor	1
195	Projected Traffic	195
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 063-610-008 Overlay	Comments	2018 SAP 063-610-008 Overlay
3 INCH BIT OVERLAY 2004 TO 9 TON SAP 63-610-06		3 INCH BIT OVERLAY 2004 TO 9 TON SAP 63-610-06
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
63510	Structure Number	63510
6.7	Milepoint	6.7
1994	Year Built	1994
CLEARWATER RIVER	Feature Crossed	CLEARWATER RIVER
	Type of Service	
	Number of Spans	
127.3	Bridge Length	127.3
39.3	Bridge Width	39.3
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: Original

Original		Current
94150	Structure Number	94150
5.99	Milepoint	5.99
1981	Year Built	1981
JOINT CO DITCH #3	Feature Crossed	JOINT CO DITCH #3
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
7	Culvert Height	7
52	Culvert Length	52
67.99986186	Area of Waterway Opening	67.99986186
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
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Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 411454.29 / 60 * 25 * 1.1	\$754,333
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4 * 2112 * 48.2 / 20 * 25	\$508,992
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4 * 7098.38 / 60 * 25	\$11,831
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	127.3 * 39.3 * 173 / 80 * 25 * 1.15	\$311,039
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	52 * 67.99986186 * 18.01 / 100 * 25 * 1.15	\$18,309
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge + Culvert	\$0 + \$754,333 + \$508,992 + \$11,831 + \$311,039 + \$18,309	\$1,604,504

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-611-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S CO LINE TO 0.50 M N	Termini	S CO LINE TO 0.50 M N
850	Present AADT	850
2018	Year of Count	2018
1	Projection Factor	1
850	Projected Traffic	850
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
MILL & OVERLAY 2010	Comments	MILL & OVERLAY 2010
SP 63-611-007		SP 63-611-007
	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	0.5 * 411454.29 / 60 * 25 * 1.1	\$94,292
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 48.2 / 20 * 25	\$63,624
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 7098.38 / 60 * 25	\$1,479
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$94,292 + \$63,624 + \$1,479	\$159,395

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-611-011

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.4	Segment Length	0.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.50 M N TO 0.9 M NE OF S CO LINE	Termini	0.50 M N TO 0.9 M NE OF S CO LINE
850	Present AADT	850
2018	Year of Count	2018
1	Projection Factor	1
850	Projected Traffic	850
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
MILL & OVERLAY 2010 SP 63-611-007	Comments	MILL & OVERLAY 2010 SP 63-611-007
	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	0.4 * 411454.29 / 60 * 25 * 1.1	\$75,433
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.4 * 2112 * 48.2 / 20 * 25	\$50,899
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.4 * 7098.38 / 60 * 25	\$1,183
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$75,433 + \$50,899 + \$1,183	\$127,515

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-611-012**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6.6	Segment Length	6.6
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.9 MI NE SO CO LINE TO SO LIM R L FALLS	Termini	0.9 MI NE SO CO LINE TO SO LIM R L FALLS
850	Present AADT	850
2018	Year of Count	2018
1	Projection Factor	1
850	Projected Traffic	850
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
MILL & OVERLAY 2010 SP 63-611-007	Comments	MILL & OVERLAY 2010 SP 63-611-007
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
63512	Structure Number	63512
3.22	Milepoint	3.22
1997	Year Built	1997
CYR CREEK	Feature Crossed	CYR CREEK
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Spans	1
139.5	Bridge Length	139.5
47.3	Bridge Width	47.3
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6.6 * 411454.29 / 60 * 25 * 1.1	\$1,244,649
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6.6 * 2112 * 48.2 / 20 * 25	\$839,837
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6.6 * 7098.38 / 60 * 25	\$19,521
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	139.5 * 47.3 * 173 / 80 * 25 * 1.15	\$410,232
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$1,244,649 + \$839,837 + \$19,521 + \$410,232	\$2,514,239

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-611-020

Original		Current
RED LAKE FALLS	Municipality	RED LAKE FALLS
0.28	Segment Length	0.28
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S LIMS TO 0.04 MI W OF ELEVENTH ST	Termini	S LIMS TO 0.04 MI W OF ELEVENTH ST
1100	Present AADT	1100
2018	Year of Count	2018
1	Projection Factor	1
1100	Projected Traffic	1100
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
MILL & OVERLAY 2010 SP 63-611-007	Comments	MILL & OVERLAY 2010 SP 63-611-007
	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	0.28 * 411454.29 / 60 * 25 * 1.1	\$52,803
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.28 * 2112 * 48.2 / 20 * 25	\$35,629
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.28 * 7098.38 / 60 * 25	\$828
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$52,803 + \$35,629 + \$828	\$89,260

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-611-030

Original		Current
RED LAKE FALLS	Municipality	RED LAKE FALLS
0.25	Segment Length	0.25
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.04 MI W OF ELEVENTH ST TO EIGHTH ST	Termini	0.04 MI W OF ELEVENTH ST TO EIGHTH ST
1100	Present AADT	1100
2018	Year of Count	2018
1	Projection Factor	1
1100	Projected Traffic	1100
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
MILL & OVERLAY 2010 SP 63-611-007	Comments	MILL & OVERLAY 2010 SP 63-611-007
	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	0.25 * 2789799.78 / 60 * 25 * 1.15	\$334,195
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.25 * 2904 * 48.2 / 15 * 25	\$58,322
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.25 * 94238.2 / 60 * 25	\$9,816
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$334,195 + \$58,322 + \$9,816	\$402,333

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-611-040

Original		Current
RED LAKE FALLS	Municipality	RED LAKE FALLS
0.08	Segment Length	0.08
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
EIGHTH ST TO TH 32	Termini	EIGHTH ST TO TH 32
1100	Present AADT	1100
2018	Year of Count	2018
1	Projection Factor	1
1100	Projected Traffic	1100
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
MILL & OVERLAY 2010 SP 63-611-007	Comments	MILL & OVERLAY 2010 SP 63-611-007
	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	0.08 * 2789799.78 / 60 * 25 * 1.15	\$106,942
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2904 * 48.2 / 15 * 25	\$18,663
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 94238.2 / 60 * 25	\$3,141
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$106,942 + \$18,663 + \$3,141	\$128,746

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-612-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5	Segment Length	5
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
SO CO LINE TO TH 92	Termini	SO CO LINE TO TH 92
180	Present AADT	180
2018	Year of Count	2018
1	Projection Factor	1
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
2003 7 TO 9 TON OVERLAY	Comments	2003 7 TO 9 TON OVERLAY
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
63J14	Structure Number	63J14
1.35	Milepoint	1.35
2019	Year Built	2019
BEAU GERLOT CREEK (CD #2	Feature Crossed	BEAU GERLOT CREEK (CD #2
	Type of Service	
1	Number of Barrels	1
11.5	Culvert Width	11.5
7.333	Culvert Height	7.333
128	Culvert Length	128
66	Area of Waterway Opening	66
100%	Shared Structure	100%
SAP 063-612-008; Install 138" x 88" RCPA; 2019	Comments	SAP 063-612-008; Install 138" x 88" RCPA; 2019
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 * 411454.29 / 60 * 25 * 1.1	\$942,916
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5 * 2112 * 48.2 / 20 * 25	\$636,240
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5 * 7098.38 / 60 * 25	\$14,788
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	128 * 66 * 18.01 / 100 * 25 * 1.15	\$43,743

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$942,916 + \$636,240 + \$14,788 + \$43,743	\$1,637,687
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-612-020**

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
TH 92 TO CSAH 1	Termini	TH 92 TO CSAH 1
260	Present AADT	260
2018	Year of Count	2018
1	Projection Factor	1
260	Projected Traffic	260
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
7 TO 9 TON OVERLAY 2003	Comments	7 TO 9 TON OVERLAY 2003
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
63503	Structure Number	63503
6.075	Milepoint	6.075
1978	Year Built	1978
CLEARWATER RIVER	Feature Crossed	CLEARWATER RIVER
	Type of Service	
	Number of Spans	
217	Bridge Length	217
35.8	Bridge Width	35.8
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 411454.29 / 60 * 25 * 1.1	\$565,750
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 48.2 / 20 * 25	\$381,744
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 7098.38 / 60 * 25	\$8,873
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	217 * 35.8 * 141 / 80 * 25 * 1.15	\$393,650
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$565,750 + \$381,744 + \$8,873 + \$393,650	\$1,350,017

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : **RED LAKE** Segment Nbr : **063-613-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
8	Segment Length	8
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W CO LINE TO 5.0 MI NW RED LAKE FALLS	Termini	W CO LINE TO 5.0 MI NW RED LAKE FALLS
560	Present AADT	560
2018	Year of Count	2018
1	Projection Factor	1
560	Projected Traffic	560
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 063-613-012 M&OL	Comments	2012 SAP 063-613-012 M&OL
	Interchange Override	
	Segment Override	

Bridge Information

Status: Deleted

Original		Current
63501	Structure Number	63501
4.69	Milepoint	4.69
1959	Year Built	1959
BLACK RIVER	Feature Crossed	BLACK RIVER
	Type of Service	
	Number of Spans	
93.6	Bridge Length	93.6
31.6	Bridge Width	31.6
100%	Shared Structure	100%
	Comments	
1 (0-149)	Bridge Group Code	1 (0-149)

Culvert Information

Status: New

Original		Current
63501	Structure Number	63501
4.69	Milepoint	4.69
2020	Year Built	2020
Black River	Feature Crossed	BLACK RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
14	Culvert Width	14
14	Culvert Height	14
70	Culvert Length	70
392	Area of Waterway Opening	392
100%	Shared Structure	100%
SAP 063-613-016; Install double 14' x 14' box culverts; 2020	Comments	SAP 063-613-016; Install double 14' x 14' box culverts; 2020
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	8 * 411454.29 / 60 * 25 * 1.1	\$1,508,666
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	8 * 2112 * 48.2 / 20 * 25	\$1,017,984
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	8 * 7098.38 / 60 * 25	\$23,661
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	70 * 392 * 18.01 / 100 * 25 * 1.15	\$142,081
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,508,666 + \$1,017,984 + \$23,661 + \$142,081	\$2,692,392

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-613-020

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
5.0 M NW RED LAKE FLS TO CSAH 19	Termini	5.0 M NW RED LAKE FLS TO CSAH 19
560	Present AADT	560
2018	Year of Count	2018
1	Projection Factor	1
560	Projected Traffic	560
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 063-613-012 M&OL	Comments	2012 SAP 063-613-012 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	3.7 * 411454.29 / 60 * 25 * 1.1	\$697,758
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3.7 * 2112 * 48.2 / 20 * 25	\$470,818
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3.7 * 7098.38 / 60 * 25	\$10,943
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$697,758 + \$470,818 + \$10,943	\$1,179,519

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-613-025**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.7	Segment Length	0.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 19 TO NORTHERN LIMITS RED LAKE FALLS	Termini	CSAH 19 TO NORTHERN LIMITS RED LAKE FALLS
910	Present AADT	910
2018	Year of Count	2018
1	Projection Factor	1
910	Projected Traffic	910
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 063-613-012 M&OL	Comments	2012 SAP 063-613-012 M&OL
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
63516	Structure Number	63516
12.14	Milepoint	12.14
2001	Year Built	2001
Red Lake River	Feature Crossed	Red Lake River
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
331.2	Bridge Length	331.2
43.3	Bridge Width	43.3
100%	Shared Structure	100%
	Comments	
2 (150-999,999)	Bridge Group Code	2 (150-999,999)

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.7 * 411454.29 / 60 * 25 * 1.1	\$132,008
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.7 * 2112 * 48.2 / 20 * 25	\$89,074
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.7 * 7098.38 / 60 * 25	\$2,070
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	331.2 * 43.3 * 141 / 80 * 25 * 1.15	\$726,683
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$132,008 + \$89,074 + \$2,070 + \$726,683	\$949,835

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-613-030

Original		Current
RED LAKE FALLS	Municipality	RED LAKE FALLS
0.08	Segment Length	0.08
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
N LIM RED LAKE FALLS TO HARREN DRIVE	Termini	N LIM RED LAKE FALLS TO HARREN DRIVE
910	Present AADT	910
2018	Year of Count	2018
1	Projection Factor	1
910	Projected Traffic	910
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 063-613-015 M&OL	Comments	2016 SAP 063-613-015 M&OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.08 * 411454.29 / 60 * 25 * 1.1	\$15,087
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.08 * 2112 * 48.2 / 20 * 25	\$10,180
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.08 * 7098.38 / 60 * 25	\$237
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$15,087 + \$10,180 + \$237	\$25,504

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-613-031

Original

Current

RED LAKE FALLS	Municipality	RED LAKE 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
HARREN DRIVE TO SEVENTH ST	Termini	HARREN DRIVE TO SEVENTH ST
1050	Present AADT	1050
2018	Year of Count	2018
1	Projection Factor	1
1050	Projected Traffic	1050
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 063-613-015 M&OL	Comments	2016 SAP 063-613-015 M&OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.33 * 2789799.78 / 60 * 25 * 1.15	\$441,137
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.33 * 2904 * 48.2 / 15 * 25	\$76,985
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.33 * 94238.2 / 60 * 25	\$12,958
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$441,137 + \$76,985 + \$12,958	\$531,080

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-613-040

Original		Current
RED LAKE FALLS	Municipality	RED LAKE FALLS
0.22	Segment Length	0.22
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
7TH ST NE TO TH 32	Termini	7TH ST NE TO TH 32
1750	Present AADT	1750
2018	Year of Count	2018
1	Projection Factor	1
1750	Projected Traffic	1750
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 063-613-015 M&OL	Comments	2016 SAP 063-613-015 M&OL
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.22 * 2789799.78 / 60 * 25 * 1.15	\$294,091
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.22 * 2904 * 48.2 / 15 * 25	\$51,323
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.22 * 94238.2 / 60 * 25	\$8,639
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$294,091 + \$51,323 + \$8,639	\$354,053

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

RED LAKE

Segment Nbr : 063-614-010

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
W CO LINE TO TH 32	Termini	W CO LINE TO TH 32
20	Present AADT	20
2018	Year of Count	2018
1	Projection Factor	1
20	Projected Traffic	20
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1966	Latest Year SA funds	2020
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	2020 STABILIZED AGGREGATE; SAP 063-614-007
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4 * 205727.15 / 60 * 25 * 1.1	\$377,166
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	\$377,166 + \$293,475 + \$0	\$670,641

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : RED LAKE Segment Nbr : 063-614-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.9	Segment Length	5.9
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 32 TO CSAH 12	Termini	TH 32 TO CSAH 12
45	Present AADT	45
2018	Year of Count	2018
1	Projection Factor	1
45	Projected Traffic	45
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 063-614-006 SMALL CULVERT R&R	Comments	2020 STABILIZED AGGREGATE; SAP 063-614-007
		2016 SAP 063-614-006 SMALL CULVERT R&R
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93401	Structure Number	93401
7.43	Milepoint	7.43
1978	Year Built	1978
LOWER BADGER CREEK	Feature Crossed	LOWER BADGER CREEK
	Type of Service	
2	Number of Barrels	2
10	Culvert Width	10
7	Culvert Height	7
56	Culvert Length	56
102.9997591	Area of Waterway Opening	102.9997591
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information

Status: Original

Original		Current
93662	Structure Number	93662
8.85	Milepoint	8.85
1983	Year Built	1983
BEAU GERLOT CREEK (CD #2	Feature Crossed	BEAU GERLOT CREEK (CD #2
	Type of Service	
1	Number of Barrels	1
14	Culvert Width	14
8	Culvert Height	8
50	Culvert Length	50
82.00046659	Area of Waterway Opening	82.00046659
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost

Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$5.9 * 205727.15 / 60 * 25 * 1.1$	\$556,321
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$5.9 * 546 * 10.75 / 2 * 25$	\$432,876
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$5.9 * 0 / 60 * 25$	\$0
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$56 * 102.9997591 * 18.01 / 100 * 25 * 1.15$	\$29,866
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$50 * 82.00046659 * 18.01 / 100 * 25 * 1.15$	\$21,229
Total Segment Cost	Construction + Preservation + ROW + Culvert + Culvert	$\$556,321 + \$432,876 + \$0 + \$29,866 + \$21,229$	\$1,040,292

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Deleted

County Name : RED LAKE Segment Nbr : 063-614-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO CSAH 15	Termini	CSAH 12 TO CSAH 15
20	Present AADT	20
2018	Year of Count	2018
1	Projection Factor	1
20	Projected Traffic	20
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	REVOKE CSAH 14 FROM CSAH 12 TO CSAH 15; ESTABLISH AN EXTENSION OF CAR 132; COMMISSIONER'S ORDER 98917
	Interchange Override	
	Segment Override	

Culvert Information

Status: Deleted

Original		Current
93472	Structure Number	93472
11.92	Milepoint	11.92
1980	Year Built	1980
CO DITCH # 4	Feature Crossed	CO DITCH # 4
	Type of Service	
1	Number of Barrels	1
14	Culvert Width	14
8	Culvert Height	8
50	Culvert Length	50
81.00050028	Area of Waterway Opening	81.00050028
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

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

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-615-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
4.2	Segment Length	4.2
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
S CO LINE TO TH 92	Termini	S CO LINE TO TH 92
10	Present AADT	10
2018	Year of Count	2018
1	Projection Factor	1
10	Projected Traffic	10
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
96902	Structure Number	96902
1.13	Milepoint	1.13
1990	Year Built	1990
CO DITCH # 4	Feature Crossed	CO DITCH # 4
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
10	Culvert Width	10
6	Culvert Height	6
58	Culvert Length	58
89.00023076	Area of Waterway Opening	89.00023076
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.2 * 205727.15 / 60 * 25 * 1.1	\$396,025
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.2 * 546 * 10.75 / 2 * 25	\$308,149
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.2 * 0 / 60 * 25	\$0
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	58 * 89.00023076 * 18.01 / 100 * 25 * 1.15	\$26,728
Total Segment Cost	Construction + Preservation + ROW + Culvert	\$396,025 + \$308,149 + \$0 + \$26,728	\$730,902

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-617-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
1.3	Segment Length	1.3
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
125	Present AADT	125
2018	Year of Count	2018
1	Projection Factor	1
125	Projected Traffic	125
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1988	Latest Year SA funds	1988
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.3 * 411454.29 / 60 * 25 * 1.1	\$245,158
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.3 * 2112 * 48.2 / 20 * 25	\$165,422
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.3 * 7098.38 / 60 * 25	\$3,845
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$245,158 + \$165,422 + \$3,845	\$414,425

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-617-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1.5	Segment Length	1.5
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO CSAH 18	Termini	CSAH 3 TO CSAH 18
40	Present AADT	40
2018	Year of Count	2018
1	Projection Factor	1
40	Projected Traffic	40
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2015	Latest Year SA funds	2015
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
WAS CAR #104, ADDED TO CSAH # 17 VIA 2015 COMM ORDER 94820	Comments	WAS CAR #104, ADDED TO CSAH # 17 VIA 2015 COMM ORDER 94820
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	1.5 * 205727.15 / 60 * 25 * 1.1	\$141,437
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.5 * 546 * 10.75 / 2 * 25	\$110,053
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.5 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$141,437 + \$110,053 + \$0	\$251,490

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name :

RED LAKE

Segment Nbr : 063-618-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
2	Segment Length	2
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
W CO LINE TO CSAH 3	Termini	W CO LINE TO CSAH 3
75	Present AADT	75
2018	Year of Count	2018
1	Projection Factor	1
75	Projected Traffic	75
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 063-618-009 M&OL	Comments	2020 overlay to 10-ton; SAP 063-618-010
		2012 SAP 063-618-009 M&OL

Interchange Override
Segment Override

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2 * 411454.29 / 60 * 25 * 1.1	\$377,166
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2 * 2112 * 48.2 / 20 * 25	\$254,496
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2 * 7098.38 / 60 * 25	\$5,915
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$377,166 + \$254,496 + \$5,915	\$637,577

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : **RED LAKE** Segment Nbr : **063-618-020**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
5.7	Segment Length	5.7
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 3 TO CSAH 13	Termini	CSAH 3 TO CSAH 13
145	Present AADT	145
2018	Year of Count	2018
1	Projection Factor	1
145	Projected Traffic	145
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2012	Latest Year SA funds	2020
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 063-618-009 M&OL	Comments	2020 overlay to 10-ton; SAP 063-618-010
		2012 SAP 063-618-009 M&OL
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
92914	Structure Number	92914
3.36	Milepoint	3.36
1971	Year Built	1971
BLACK RIVER	Feature Crossed	BLACK RIVER
	Type of Service	
3	Number of Barrels	3
	Culvert Width	
	Culvert Height	
230	Culvert Length	230
120.00026276	Area of Waterway Opening	120.00026276
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.7 * 411454.29 / 60 * 25 * 1.1	\$1,074,924
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.7 * 2112 * 48.2 / 20 * 25	\$725,314
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.7 * 7098.38 / 60 * 25	\$16,859
Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	230 * 120.00026276 * 18.01 / 100 * 25 * 1.15	\$142,910

Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$1,074,924 + \$725,314 + \$16,859 + \$142,910	\$1,960,007
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-619-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
2.6	Segment Length	2.6
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 13 TO TH 32	Termini	CSAH 13 TO TH 32
120	Present AADT	120
2018	Year of Count	2018
1	Projection Factor	1
120	Projected Traffic	120
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 063-619-005 M&OL	Comments	2012 SAP 063-619-005 M&OL
3 INCH BIT OVERLAY TO 9 TON		3 INCH BIT OVERLAY TO 9 TON
2004		2004
SAP 63-619-04		SAP 63-619-04
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	2.6 * 411454.29 / 60 * 25 * 1.1	\$490,316
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	2.6 * 2112 * 48.2 / 20 * 25	\$330,845
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	2.6 * 7098.38 / 60 * 25	\$7,690
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$490,316 + \$330,845 + \$7,690	\$828,851

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-620-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.7	Segment Length	3.7
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO TH 59	Termini	CSAH 1 TO TH 59
50	Present AADT	50
2018	Year of Count	2018
1	Projection Factor	1
50	Projected Traffic	50
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2016	Latest Year SA funds	2016
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2016 SAP 063-613-015 OVERLAY ON BR DECK 63504	Comments	2016 SAP 063-613-015 OVERLAY ON BR DECK 63504
	Interchange Override	
	Segment Override	

Bridge Information

Status: Original

Original		Current
63504	Structure Number	63504
1.06	Milepoint	1.06
1975	Year Built	1975
CLEARWATER RIVER	Feature Crossed	CLEARWATER RIVER
	Type of Service	
0	Number of Spans	0
120.2	Bridge Length	120.2
36	Bridge Width	36
100%	Shared Structure	100%
2016 SAP 063-613-015 OVERLAY ON BR DECK 63504	Comments	2016 SAP 063-613-015 OVERLAY ON BR DECK 63504
1 (0-149)	Bridge Group Code	1 (0-149)

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695823M	USDOT Number	695823M
3.6	Located at Milepoint	3.6
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	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.7 * 205727.15 / 60 * 25 * 1.1	\$348,879

Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	$3.7 * 546 * 10.75 / 2 * 25$	\$271,464
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	$3.7 * 0 / 60 * 25$	\$0
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	$120.2 * 36 * 173 / 80 * 25 * 1.15$	\$269,030
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	Construction + Preservation + ROW + Bridge + RR Crossing Protection + RR Crossing Surface	$\$348,879 + \$271,464 + \$0 + \$269,030 + \$2,000 + \$42,000$	\$933,373

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-621-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
7.1	Segment Length	7.1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 59 TO CSAH 5	Termini	TH 59 TO CSAH 5
35	Present AADT	35
2018	Year of Count	2018
1	Projection Factor	1
35	Projected Traffic	35
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
93605	Structure Number	93605
6.11	Milepoint	6.11
1982	Year Built	1982
CO DITCH # 61	Feature Crossed	CO DITCH # 61
	Type of Service	
1	Number of Barrels	1
10	Culvert Width	10
8	Culvert Height	8
58	Culvert Length	58
77.99952496	Area of Waterway Opening	77.99952496
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
696141G	USDOT Number	696141G
4.2	Located at Milepoint	4.2
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
48	Crossing Length	48
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result

Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$7.1 * 205727.15 / 60 * 25 * 1.1$	\$669,470
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$7.1 * 546 * 10.75 / 2 * 25$	\$520,918
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$7.1 * 0 / 60 * 25$	\$0
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$58 * 77.99952496 * 18.01 / 100 * 25 * 1.15$	\$23,425
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$48 * 1750 / 25 * 25$	\$84,000
Total Segment Cost	Construction + Preservation + ROW + Culvert + RR Crossing Protection + RR Crossing Surface	$\$669,470 + \$520,918 + \$0 + \$23,425 + \$2,000 + \$84,000$	\$1,299,813

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-622-010

Original		Current
OKLEE	Municipality	OKLEE
0.34	Segment Length	0.34
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 222 TO BOURDEN ST IN OKLEE	Termini	TH 222 TO BOURDEN ST IN OKLEE
580	Present AADT	580
2018	Year of Count	2018
1	Projection Factor	1
580	Projected Traffic	580
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.34 * 2789799.78 / 60 * 25 * 1.15	\$454,505
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.34 * 2904 * 48.2 / 15 * 25	\$79,318
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.34 * 94238.2 / 60 * 25	\$13,350
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$454,505 + \$79,318 + \$13,350	\$547,173

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-622-020

Original

Current

OKLEE	Municipality	OKLEE
0.18	Segment Length	0.18
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
BOURDEN ST TO 0.18 MI E	Termini	BOURDEN ST TO 0.18 MI E
335	Present AADT	335
2018	Year of Count	2018
1	Projection Factor	1
335	Projected Traffic	335
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 063-622-003	Comments	2012 SAP 063-622-003
	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	0.18 * 2789799.78 / 60 * 25 * 1.15	\$240,620
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.18 * 2904 * 48.2 / 15 * 25	\$41,992
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.18 * 94238.2 / 60 * 25	\$7,068
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$240,620 + \$41,992 + \$7,068	\$289,680

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-622-021

Original		Current
OKLEE	Municipality	OKLEE
0.3	Segment Length	0.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
0.18 MI E OF BOURDEN ST TO E LIM OKLEE	Termini	0.18 MI E OF BOURDEN ST TO E LIM OKLEE
125	Present AADT	125
2018	Year of Count	2018
1	Projection Factor	1
125	Projected Traffic	125
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 063-622-003	Comments	2012 SAP 063-622-003
	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 * 411454.29 / 60 * 25 * 1.1	\$56,575
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 48.2 / 20 * 25	\$38,174
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 7098.38 / 60 * 25	\$887
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$56,575 + \$38,174 + \$887	\$95,636

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-622-030

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.3	Segment Length	0.3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIM OKLEE TO E CO LINE	Termini	E LIM OKLEE TO E CO LINE
125	Present AADT	125
2018	Year of Count	2018
1	Projection Factor	1
125	Projected Traffic	125
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
2012	Latest Year SA funds	2012
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
2012 SAP 063-622-003	Comments	2012 SAP 063-622-003
	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 * 411454.29 / 60 * 25 * 1.1	\$56,575
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.3 * 2112 * 48.2 / 20 * 25	\$38,174
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.3 * 7098.38 / 60 * 25	\$887
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$56,575 + \$38,174 + \$887	\$95,636

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-623-010

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
4.1	Segment Length	4.1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 2 TO CSAH 1	Termini	CSAH 2 TO CSAH 1
55	Present AADT	55
2018	Year of Count	2018
1	Projection Factor	1
55	Projected Traffic	55
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.1 * 205727.15 / 60 * 25 * 1.1	\$386,596
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.1 * 546 * 10.75 / 2 * 25	\$300,812
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.1 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$386,596 + \$300,812 + \$0	\$687,408

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : New

County Name : **RED LAKE** Segment Nbr : **063-624-010**

Original		Current
PLUMMER	Municipality	PLUMMER
1.22	Segment Length	1.22
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO CLEARWATER RIVER	Termini	CSAH 1 TO CENTRAL AVE TO CLEARWATER RIVER
170	Present AADT	170
2014	Year of Count	2014
1	Projection Factor	1
170	Projected Traffic	170
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	
REVOKE CAR 124; ESTABLISH CSAH 24; COMISSIONERS ORDER 98917	Comments	REVOKE A PORTION OF CAR 124; ESTABLISH CSAH 24; COMMISSIONER'S ORDER 98917
	Interchange Override	
	Segment Override	

Bridge Information

Status: New

Original		Current
63511	Structure Number	63511
1.21	Milepoint	1.21
1996	Year Built	1996
CLEARWATER RIVER	Feature Crossed	CLEARWATER RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
3	Number of Spans	3
136.9	Bridge Length	136.9
35.3	Bridge Width	35.3
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	1.22 * 411454.29 / 60 * 25 * 1.1	\$230,072
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	1.22 * 2112 * 48.2 / 20 * 25	\$155,243
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	1.22 * 7098.38 / 60 * 25	\$3,608
Bridge	BridgeLength * BridgeWidth * UnitCost / BridgeLifeCycle * StatutoryNeedsYear * DevelopmentCost	136.9 * 35.3 * 173 / 80 * 25 * 1.15	\$300,450
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Bridge	\$0 + \$230,072 + \$155,243 + \$3,608 + \$300,450	\$689,373

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : New

County Name : **RED LAKE** Segment Nbr : **063-624-020**

Original		Current
PLUMMER	Municipality	PLUMMER
0.57	Segment Length	0.57
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CLEARWATER RIVER TO TH 59	Termini	CLEARWATER RIVER TO TH 59
590	Present AADT	590
2018	Year of Count	2018
1	Projection Factor	1
590	Projected Traffic	590
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2003	Latest Year SA funds	2003
0	Number of Signal Legs	0
	Special Message Code	
REVOKE A PORTION OF CAR 124 AND CSAH 52; ESTABLISH CSAH 24; COMMISSIONER'S ORDER 98917	Comments	REVOKE A PORTION OF CAR 124 AND CSAH 52; ESTABLISH CSAH 24; COMMISSIONER'S ORDER 98917
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: New

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695827P	USDOT Number	695827P
0.52	Located at Milepoint	0.52
1	Mainline Tracks	1
SIGNALS ONLY	Protection Type	SIGNALS ONLY
1977	Last Year Protection Upgraded	1977
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	0.57 * 2789799.78 / 60 * 25 * 1.15	\$761,964
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.57 * 2904 * 48.2 / 15 * 25	\$132,974
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.57 * 94238.2 / 60 * 25	\$22,382
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	300000 / 25 * 25	\$300,000
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 + \$761,964 + \$132,974 + \$22,382 + \$300,000 + \$73,500	\$1,290,820
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SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : **RED LAKE** Segment Nbr : **063-626-010**

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
6	Segment Length	6
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 2 TO TH 59	Termini	CSAH 2 TO TH 59
45	Present AADT	45
2018	Year of Count	2018
1	Projection Factor	1
45	Projected Traffic	45
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695833T	USDOT Number	695833T
5.5	Located at Milepoint	5.5
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
23	Crossing Length	23
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	6 * 205727.15 / 60 * 25 * 1.1	\$565,750
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	6 * 546 * 10.75 / 2 * 25	\$440,213
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	6 * 0 / 60 * 25	\$0
RR Crossing Protection	UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	2000 / 25 * 25	\$2,000
RR Crossing Surface	SurfaceLength * UnitCost / RRCrossingLifeCycle * StatutoryNeedsYear	23 * 1750 / 25 * 25	\$40,250
Total Segment Cost	Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	\$565,750 + \$440,213 + \$0 + \$2,000 + \$40,250	\$1,048,213

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-626-020

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
4.1	Segment Length	4.1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 59 TO 4.1 MI E	Termini	TH 59 TO 4.1 MI E
25	Present AADT	25
2018	Year of Count	2018
1	Projection Factor	1
25	Projected Traffic	25
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
1967	Latest Year SA funds	1967
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	4.1 * 205727.15 / 60 * 25 * 1.1	\$386,596
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	4.1 * 546 * 10.75 / 2 * 25	\$300,812
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	4.1 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$386,596 + \$300,812 + \$0	\$687,408

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-626-021

Original

Current

Unassigned/Unknown	Municipality	Unassigned/Unknown
5.3	Segment Length	5.3
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
4.1 MI E TH 59 TO CSAH 5	Termini	4.1 MI E TH 59 TO CSAH 5
40	Present AADT	40
2018	Year of Count	2018
1	Projection Factor	1
40	Projected Traffic	40
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	5.3 * 205727.15 / 60 * 25 * 1.1	\$499,746
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	5.3 * 546 * 10.75 / 2 * 25	\$388,854
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	5.3 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$499,746 + \$388,854 + \$0	\$888,600

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-627-010

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
CSAH 26 TO NORTH COUNTY LINE	Termini	CSAH 26 TO NORTH COUNTY LINE
10	Present AADT	10
2018	Year of Count	2018
1	Projection Factor	1
10	Projected Traffic	10
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.5 * 205727.15 / 60 * 25 * 1.1	\$47,146
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 546 * 10.75 / 2 * 25	\$36,684
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 0 / 60 * 25	\$0
Total Segment Cost	Construction + Preservation + ROW	\$47,146 + \$36,684 + \$0	\$83,830

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-629-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.5	Segment Length	0.5
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
1.5 M S OF CSAH 14 TO 1.0 M S OF CSAH 14	Termini	1.5 M S OF CSAH 14 TO 1.0 M S OF CSAH 14
60	Present AADT	60
2018	Year of Count	2018
1	Projection Factor	1
60	Projected Traffic	60
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 063-629-003 OL	Comments	2017 SAP 063-629-003 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	0.5 * 411454.29 / 60 * 25 * 1.1	\$94,292
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.5 * 2112 * 48.2 / 20 * 25	\$63,624
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.5 * 7098.38 / 60 * 25	\$1,479
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$94,292 + \$63,624 + \$1,479	\$159,395

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-629-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
1	Segment Length	1
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
FROM 1.0 M OF CSAH 14 TO CSAH 14	Termini	FROM 1.0 M OF CSAH 14 TO CSAH 14
60	Present AADT	60
2018	Year of Count	2018
1	Projection Factor	1
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	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$1 * 205727.15 / 60 * 25 * 1.1$	\$94,292
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$1 * 546 * 10.75 / 2 * 25$	\$73,369
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$1 * 0 / 60 * 25$	\$0
Total Segment Cost	Construction + Preservation + ROW	$\$94,292 + \$73,369 + \$0$	\$167,661

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-630-010

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
ON PENNINGTON - RED LAKE CO LINE	Termini	ON PENNINGTON - RED LAKE CO LINE
40	Present AADT	40
2018	Year of Count	2018
1	Projection Factor	1
40	Projected Traffic	40
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 * 411454.29 / 60 * 25 * 1.1	\$113,150
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.6 * 2112 * 48.2 / 20 * 25	\$76,349
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.6 * 7098.38 / 60 * 25	\$1,775
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$113,150 + \$76,349 + \$1,775	\$191,274

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-631-010

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
WYLIE TO 3.20 MILES EAST	Termini	WYLIE TO 3.20 MILES EAST
50	Present AADT	50
2018	Year of Count	2018
1	Projection Factor	1
50	Projected Traffic	50
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 * 205727.15 / 60 * 25 * 1.1	\$301,733
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	\$301,733 + \$234,780 + \$0	\$536,513

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-632-010

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
CSAH 5 TO 3.5 M E ON N CO LINE	Termini	CSAH 5 TO 3.5 M E ON N CO LINE
25	Present AADT	25
2018	Year of Count	2018
1	Projection Factor	1
25	Projected Traffic	25
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3.5 * 205727.15 / 60 * 25 * 1.1	\$330,021
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	\$330,021 + \$256,791 + \$0	\$586,812

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-633-010

Original		Current
RED LAKE FALLS	Municipality	RED LAKE FALLS
0.25	Segment Length	0.25
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 11 TO E LIMS RED LAKE FALLS	Termini	CSAH 11 TO E LIMS RED LAKE FALLS
155	Present AADT	155
2018	Year of Count	2018
1	Projection Factor	1
155	Projected Traffic	155
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.25 * 411454.29 / 60 * 25 * 1.1	\$47,146
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.25 * 2112 * 48.2 / 20 * 25	\$31,812
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.25 * 7098.38 / 60 * 25	\$739
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$47,146 + \$31,812 + \$739	\$79,697

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-633-020

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
0.2	Segment Length	0.2
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
E LIMS RED LAKE FALLS TO TH 32	Termini	E LIMS RED LAKE FALLS TO TH 32
155	Present AADT	155
2018	Year of Count	2018
1	Projection Factor	1
155	Projected Traffic	155
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1991	Latest Year SA funds	1991
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.2 * 411454.29 / 60 * 25 * 1.1	\$37,717
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.2 * 2112 * 48.2 / 20 * 25	\$25,450
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.2 * 7098.38 / 60 * 25	\$592
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$37,717 + \$25,450 + \$592	\$63,759

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-649-010

Original		Current
Unassigned/Unknown	Municipality	Unassigned/Unknown
3	Segment Length	3
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 12 TO CSAH 15	Termini	CSAH 12 TO CSAH 15
345	Present AADT	345
2018	Year of Count	2018
1	Projection Factor	1
345	Projected Traffic	345
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
MILL & OVERLAY WITH 1 1/2" WEARING COURSE AND 2" BASE COURSE AND 2" AGGREGATE SHOULDERING	Comments	MILL & OVERLAY WITH 1 1/2" WEARING COURSE AND 2" BASE COURSE AND 2" AGGREGATE SHOULDERING
SAP 63-649-006		SAP 63-649-006
	Interchange Override	
	Segment Override	

Culvert Information

Status: Original

Original		Current
94179	Structure Number	94179
1.4	Milepoint	1.4
1990	Year Built	1990
UPPER BADGER CR (CD #2)	Feature Crossed	UPPER BADGER CR (CD #2)
STREAM CROSSING	Type of Service	STREAM CROSSING
1	Number of Barrels	1
12	Culvert Width	12
5	Culvert Height	5
63	Culvert Length	63
58.00019876	Area of Waterway Opening	58.00019876
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	3 * 411454.29 / 60 * 25 * 1.1	\$565,750
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	3 * 2112 * 48.2 / 20 * 25	\$381,744
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	3 * 7098.38 / 60 * 25	\$8,873

Culvert	CulvertLength * Area * UnitCost / CulvertLifeCycle * StatutoryNeedsYear * DevelopmentCost	63 * 58.00019876 * 18.01 / 100 * 25 * 1.15	\$18,920
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert	\$0 + \$565,750 + \$381,744 + \$8,873 + \$18,920	\$975,287

SANEEDS - CSAH - Segment Report

Roadway Segment Information		Status : Original
County Name :		RED LAKE
		Segment Nbr : 063-649-020
Original	Current	
Unassigned/Unknown	Municipality	Unassigned/Unknown
3.4	Segment Length	3.4
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 15 TH 59	Termini	CSAH 15 TH 59
285	Present AADT	285
2018	Year of Count	2018
1	Projection Factor	1
285	Projected Traffic	285
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
MILL & OVERLAY 1 1/2" BASE COURSE MIXTURE AND 2" WEAR COURSE MIXTURE AND 2" AGGREGATE SHOULDERING	Comments	MILL & OVERLAY 1 1/2" BASE COURSE MIXTURE AND 2" WEAR COURSE MIXTURE AND 2" AGGREGATE SHOULDERING
	Interchange Override	
	Segment Override	

Culvert Information		Status: Original
Original	Current	
97318	Structure Number	97318
4.03	Milepoint	4.03
1992	Year Built	1992
RED LAKE CO DITCH # 4	Feature Crossed	RED LAKE CO DITCH # 4
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
9	Culvert Width	9
5	Culvert Height	5
74	Culvert Length	74
67.99986186	Area of Waterway Opening	67.99986186
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

Culvert Information		Status: Original
Original	Current	
97319	Structure Number	97319
5.55	Milepoint	5.55
1992	Year Built	1992
POPLAR RIVER	Feature Crossed	POPLAR RIVER
STREAM CROSSING	Type of Service	STREAM CROSSING
2	Number of Barrels	2
12	Culvert Width	12
7	Culvert Height	7
70	Culvert Length	70
165.99978941	Area of Waterway Opening	165.99978941
100%	Shared Structure	100%
	Comments	
1	Culvert Group Code	1

RailRoadCrossing Information	Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695806W	USDOT Number	695806W
3.38	Located at Milepoint	3.38
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
44	Crossing Length	44
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	$\text{TrafficSignalLegs} * \text{UnitCost} / \text{SignalLifeCycle} * \text{StatutoryNeedsYear}$	$0 * 61250 / 40 * 25$	\$0
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$3.4 * 411454.29 / 60 * 25 * 1.1$	\$641,183
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$3.4 * 2112 * 48.2 / 20 * 25$	\$432,643
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$3.4 * 7098.38 / 60 * 25$	\$10,056
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$74 * 67.99986186 * 18.01 / 100 * 25 * 1.15$	\$26,055
Culvert	$\text{CulvertLength} * \text{Area} * \text{UnitCost} / \text{CulvertLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$70 * 165.99978941 * 18.01 / 100 * 25 * 1.15$	\$60,167
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$44 * 1750 / 25 * 25$	\$77,000
Total Segment Cost	Signal Leg + Construction + Preservation + ROW + Culvert + Culvert + RR Crossing Protection + RR Crossing Surface	$\$0 + \$641,183 + \$432,643 + \$10,056 + \$26,055 + \$60,167 + \$2,000 + \$77,000$	\$1,249,104

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-651-010

Original

Current

BROOKS	Municipality	BROOKS
0.14	Segment Length	0.14
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
TH 92 TO IOWA AVE	Termini	TH 92 TO IOWA AVE
265	Present AADT	265
2018	Year of Count	2018
1	Projection Factor	1
265	Projected Traffic	265
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1977	Latest Year SA funds	1977
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.14 * 411454.29 / 60 * 25 * 1.1	\$26,402
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.14 * 2112 * 48.2 / 20 * 25	\$17,815
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.14 * 7098.38 / 60 * 25	\$414
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$26,402 + \$17,815 + \$414	\$44,631

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-651-020

Original		Current
BROOKS	Municipality	BROOKS
0.07	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
IOWA AVE TO WISCONSIN AVE	Termini	IOWA AVE TO WISCONSIN AVE
265	Present AADT	265
2018	Year of Count	2018
1	Projection Factor	1
265	Projected Traffic	265
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1977	Latest Year SA funds	1977
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 411454.29 / 60 * 25 * 1.1	\$13,201
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2112 * 48.2 / 20 * 25	\$8,907
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 7098.38 / 60 * 25	\$207
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$13,201 + \$8,907 + \$207	\$22,315

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name : RED LAKE Segment Nbr : 063-651-030

Original		Current
BROOKS	Municipality	BROOKS
0.07	Segment Length	0.07
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
WISCONSIN AVE TO MINNESOTA AVE	Termini	WISCONSIN AVE TO MINNESOTA AVE
265	Present AADT	265
2018	Year of Count	2018
1	Projection Factor	1
265	Projected Traffic	265
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1977	Latest Year SA funds	1977
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.07 * 411454.29 / 60 * 25 * 1.1	\$13,201
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.07 * 2112 * 48.2 / 20 * 25	\$8,907
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.07 * 7098.38 / 60 * 25	\$207
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$13,201 + \$8,907 + \$207	\$22,315

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Revised

County Name : RED LAKE Segment Nbr : 063-652-010

Original		Current
PLUMMER	Municipality	PLUMMER
0.39	Segment Length	0.18
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 1 TO CENTRAL AVENUE	Termini	CSAH 1 TO EVELYN AVE E
315	Present AADT	315
2018	Year of Count	2018
1	Projection Factor	1
315	Projected Traffic	315
RURAL	Design Type	RURAL
2 - RURAL : 150 - 1499	Design Group	2 (RURAL : 150 - 1499)
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	UPDATE SEGMENTS; COMMISSIONER'S ORDER 98917
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.18 * 411454.29 / 60 * 25 * 1.1	\$33,945
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.18 * 2112 * 48.2 / 20 * 25	\$22,905
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.18 * 7098.38 / 60 * 25	\$532
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$33,945 + \$22,905 + \$532	\$57,382

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Deleted

County Name : **RED LAKE** Segment Nbr : **063-652-020**

Original		Current
PLUMMER	Municipality	PLUMMER
0.22	Segment Length	0.22
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CENTRAL AVE TO TH 59	Termini	CENTRAL AVE TO TH 59
315	Present AADT	315
2018	Year of Count	2018
1	Projection Factor	1
315	Projected Traffic	315
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2003	Latest Year SA funds	2003
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
WALKS, C & G, LTG & NEW BIT SURF 2003	Comments	REVOKE CSAH 52 FROM CENTRAL AVE TO TH 59; ESTABLISH CSAH 24; COMMISSIONER'S ORDER 98917 WALKS, C & G, LTG & NEW BIT SURF 2003
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: Deleted

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695827P	USDOT Number	695827P
0.3	Located at Milepoint	0.3
1	Mainline Tracks	1
SIGNALS ONLY	Protection Type	SIGNALS ONLY
1977	Last Year Protection Upgraded	1977
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
Deleted Segment	If status is Deleted, result is zero		\$0
Total Segment Cost	Deleted Segment	\$0	\$0

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : New

County Name : **RED LAKE** Segment Nbr : **063-652-030**

Original		Current
PLUMMER	Municipality	PLUMMER
0.21	Segment Length	0.21
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
EVELYN AVE E TO CENTRAL AVE	Termini	EVELYN AVE E TO CENTRAL AVE
315	Present AADT	315
2018	Year of Count	2018
1	Projection Factor	1
315	Projected Traffic	315
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
1999	Latest Year SA funds	1999
0	Number of Signal Legs	0
	Special Message Code	
UPDATE SEGMENTS; COMMISSIONER'S ORDER 98917	Comments	UPDATE SEGMENTS; COMMISSIONER'S ORDER 98917
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	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 * 48.2 / 15 * 25	\$48,990
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.21 * 94238.2 / 60 * 25	\$8,246
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$280,724 + \$48,990 + \$8,246	\$337,960

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : New

County Name : **RED LAKE** Segment Nbr : **063-652-031**

Original		Current
PLUMMER	Municipality	PLUMMER
0.36	Segment Length	0.36
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CENTRAL AVE TO NURMI AVE N	Termini	CENTRAL AVE TO NURMI AVE N
290	Present AADT	290
2014	Year of Count	2014
1	Projection Factor	1
290	Projected Traffic	290
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	
REVOKE A PORTION OF CAR 126; ESTABLISH EXTENSION OF CSAH 52; COMMISSIONER'S ORDER 98917	Comments	REVOKE A PORTION OF CAR 126; ESTABLISH EXTENSION OF CSAH 52; COMMISSIONER'S ORDER 98917
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.36 * 411454.29 / 60 * 25 * 1.1	\$67,890
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.36 * 2112 * 48.2 / 20 * 25	\$45,809
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.36 * 7098.38 / 60 * 25	\$1,065
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$67,890 + \$45,809 + \$1,065	\$114,764

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : New

County Name : **RED LAKE** Segment Nbr : **063-652-040**

Original		Current
PLUMMER	Municipality	PLUMMER
0.31	Segment Length	0.31
AGGREGATE SURF	Existing Surface Type	AGGREGATE SURF
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
NURMI AVE N TO 170TH ST SE TO TH 59	Termini	NURMI AVE N TO 170TH ST SE TO TH 59
105	Present AADT	105
2014	Year of Count	2014
1	Projection Factor	1
105	Projected Traffic	105
RURAL	Design Type	RURAL
1 - RURAL : 0 - 149	Design Group	1 (RURAL : 0 - 149)
	Latest Year SA funds	
0	Number of Signal Legs	0
	Special Message Code	
	Comments	REVOKE A PORTION OF CAR 126; ESTABLISH AN EXTENSION OF CSAH 52; COMMISSIONER'S ORDER 98917
	Interchange Override	
	Segment Override	

RailRoadCrossing Information

Status: New

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
695828W	USDOT Number	695828W
0.28	Located at Milepoint	0.28
1	Mainline Tracks	1
SIGNS ONLY	Protection Type	SIGNS ONLY
	Last Year Protection Upgraded	
30	Crossing Length	30
	Last Year Surfaced	
100%	Percentage of Cost	100%
	Comments	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Construction	$\text{Length} * \text{UnitCost} / \text{ConstrLifeCycle} * \text{StatutoryNeedsYear} * \text{DevelopmentCost}$	$0.31 * 205727.15 / 60 * 25 * 1.1$	\$29,230
Preservation	$\text{Length} * \text{Quantity} * \text{UnitCost} / \text{PreservationLifeCycle} * \text{StatutoryNeedsYear}$	$0.31 * 546 * 10.75 / 2 * 25$	\$22,744
ROW	$\text{Length} * \text{UnitCost} / \text{ROWLifeCycle} * \text{StatutoryNeedsYear}$	$0.31 * 0 / 60 * 25$	\$0
RR Crossing Protection	$\text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$2000 / 25 * 25$	\$2,000
RR Crossing Surface	$\text{SurfaceLength} * \text{UnitCost} / \text{RRCrossingLifeCycle} * \text{StatutoryNeedsYear}$	$30 * 1750 / 25 * 25$	\$52,500
Total Segment Cost	Construction + Preservation + ROW + RR Crossing Protection + RR Crossing Surface	$\$29,230 + \$22,744 + \$0 + \$2,000 + \$52,500$	\$106,474

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-653-010

Original

Current

OKLEE	Municipality	OKLEE
0.27	Segment Length	0.27
MIXED BITUMINOUS	Existing Surface Type	MIXED BITUMINOUS
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
CSAH 5 TO CSAH 22	Termini	CSAH 5 TO CSAH 22
330	Present AADT	330
2018	Year of Count	2018
1	Projection Factor	1
330	Projected Traffic	330
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2000	Latest Year SA funds	2000
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
	Comments	
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.27 * 2789799.78 / 60 * 25 * 1.15	\$360,930
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.27 * 2904 * 48.2 / 15 * 25	\$62,988
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.27 * 94238.2 / 60 * 25	\$10,602
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$360,930 + \$62,988 + \$10,602	\$434,520

SANEEDS - CSAH - Segment Report

Roadway Segment Information

Status : Original

County Name :

RED LAKE

Segment Nbr : 063-654-010

Original

Current

RED LAKE FALLS	Municipality	RED LAKE FALLS
0.46	Segment Length	0.46
BIT CONC OR ASPH	Existing Surface Type	BIT CONC OR ASPH
2	Existing Surface Lanes	2
NOT DIVIDED	Existing Lane Description	NOT DIVIDED
VARIOUS STREETS IN RED LAKE FALLS	Termini	VARIOUS STREETS IN RED LAKE FALLS
930	Present AADT	930
2018	Year of Count	2018
1	Projection Factor	1
930	Projected Traffic	930
URBAN	Design Type	URBAN
5 - URBAN : 0 - 9999	Design Group	5 (URBAN : 0 - 9999)
2010	Latest Year SA funds	2010
0	Number of Signal Legs	0
No Special Message	Special Message Code	No Special Message
MILL & OVERLAY 2010 SAP 63-654-005	Comments	MILL & OVERLAY 2010 SAP 63-654-005
	Interchange Override	
	Segment Override	

Segment Cost Information

Computation Factor	Computation Formula	Values Used For Calculation	Computation Result
Signal Leg	TrafficSignalLegs * UnitCost / SignalLifeCycle * StatutoryNeedsYear	0 * 61250 / 40 * 25	\$0
Construction	Length * UnitCost / ConstrLifeCycle * StatutoryNeedsYear * DevelopmentCost	0.46 * 2789799.78 / 60 * 25 * 1.15	\$614,918
Preservation	Length * Quantity * UnitCost / PreservationLifeCycle * StatutoryNeedsYear	0.46 * 2904 * 48.2 / 15 * 25	\$107,312
ROW	Length * UnitCost / ROWLifeCycle * StatutoryNeedsYear	0.46 * 94238.2 / 60 * 25	\$18,062
Total Segment Cost	Signal Leg + Construction + Preservation + ROW	\$0 + \$614,918 + \$107,312 + \$18,062	\$740,292