

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

RED WING

Segment Nbr : 156-103-010

Original

Current

BUSH STREET	Street Name	BUSH STREET
TENTH STREET TO SEVENTH STREET	Termini	TENTH STREET TO SEVENTH STREET
0.19	Length	0.19
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1800	Present AADT	1800
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-103-02, BID LETTING ON 7-6-09. Bush Street between 7th Street and midway between 9th Street and 10th Street to be reconstructed in 2018 (local funds only).	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-103-02, BID LETTING ON 7-6-09. Bush Street between 7th Street and midway between 9th Street and 10th Street to be reconstructed in 2019 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.19 * 10176 * 14.18	\$27,416
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.19 * 3978 * 65	\$49,128
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.19 * 17698 * 9.36	\$31,474
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.19 * 174800	\$33,212
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.19 * 5.66 * 5280 * 10	\$56,781
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.19 * 100000	\$19,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.19 * 16.36 * 5280 * 2	\$32,825
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	249836 * 0.220	\$54,964
Total				\$304,800

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-103-020

Original		Current
BUSH STREET	Street Name	BUSH STREET
7TH ST TO 5TH ST	Termini	7TH ST TO 5TH ST
0.15	Length	0.15
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2550	Present AADT	2550
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-103-02, BID LETTING ON 7-6-09.	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-103-02, BID LETTING ON 7-6-09.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.15 * 19628 * 14.18	\$41,749
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.15 * 4773 * 65	\$46,537
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.15 * 25188 * 9.36	\$35,364
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.15 * 184000	\$27,600
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.15 * 5.66 * 5280 * 10	\$44,827
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.15 * 100000	\$15,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.15 * 16.36 * 5280 * 2	\$25,914
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	236991 * 0.220	\$52,138
Total				\$289,129

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-103-030

Original		Current
BUSH STREET	Street Name	BUSH STREET
FIFTH STREET TO FOURTH STREET	Termini	FIFTH STREET TO FOURTH STREET
0.07	Length	0.07
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2550	Present AADT	2550
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1989	Year of Latest SA Fund	1989
	Comments	
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	$0.07 * 19628 * 14.18$	\$19,483
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	$0.07 * 4773 * 65$	\$21,717
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	$0.07 * 25188 * 9.36$	\$16,503
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	$0.07 * 184000$	\$12,880
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	$0.07 * 5.66 * 5280 * 10$	\$20,919
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	$0.07 * 100000$	\$7,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	$0.07 * 16.36 * 5280 * 2$	\$12,093
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	$0 * 207700 / 4$	\$0
Engineering Cost		Percent of costs	$110595 * 0.220$	\$24,331
Total				\$134,926

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

RED WING

Segment Nbr : 156-103-040

Original

Current

BUSH STREET
WEST FOURTH STREET TO
LEVEE STREET

Street Name
Termini

BUSH STREET
WEST FOURTH STREET TO
LEVEE STREET

0.22

Length

0.22

Improved
Undivided

Existing Roadway Type
Existing Lane Description

Improved
Undivided

2

Existing Number of Signal Legs

2

3800

Present AADT

3800

4 (2000 - 4999)

Traffic Group Code

4 (2000 - 4999)

2015

Year of AADT Count

2015

N

Common Boundary Designation

N

N

Turnback Mileage

N

N

Outside City Limit

N

Year of Latest SA Fund

MSAS DESIGNATION AS PER
COMMISSIONERS ORDER NO.
94350 ON JUNE 6, 2014.

Comments

MSAS DESIGNATION AS PER
COMMISSIONERS ORDER NO.
94350 ON JUNE 6, 2014.

INTERSECTION RECONSTRUCTED
AT MAIN STREET WITH 2016 TH 61
PROJECT.

INTERSECTION RECONSTRUCTED
AT MAIN STREET WITH 2016 TH 61
PROJECT.

3rd Street intersection to be
reconstructed in 2018 (local funds
only).

3rd Street intersection was
reconstructed in 2018 (local funds
only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.22 * 19628 * 14.18	\$61,232
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.22 * 4773 * 65	\$68,254
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.22 * 25188 * 9.36	\$51,867
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.22 * 184000	\$40,480
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.22 * 5.66 * 5280 * 10	\$65,747
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.22 * 100000	\$22,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.22 * 16.36 * 5280 * 2	\$38,008
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	2 * 207700 / 4	\$103,850
Engineering Cost		Percent of costs	451438 * 0.220	\$99,316
Total				\$550,754

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-104-005

Original		Current
STURGEON LAKE ROAD	Street Name	STURGEON LAKE ROAD
JCT. OF CSAH 18 TO .02 MI. EAST OF NSP ACCESS ROADWAY.	Termini	JCT. OF CSAH 18 TO .02 MI. EAST OF NSP ACCESS ROADWAY.
0.5	Length	0.5
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
12500	Present AADT	12500
6 (9000 - 13999)	Traffic Group Code	6 (9000 - 13999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
Y	Turnback Mileage	Y
CSAH TB	Turnback Type	CSAH TB
N	Outside City Limit	N
1996	Year of Latest SA Fund	1996
	Comments	
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 6	Length * Quantity * UnitCost	0.5 * 31460 * 14.18	\$223,051
Bituminous	MSAS Bituminous Cost Group 6	Length * Quantity * UnitCost	0.5 * 8287 * 65	\$269,328
Excavation	MSAS Excavation Cost Group 6	Length * Quantity * UnitCost	0.5 * 37918 * 9.36	\$177,456
Storm Sewer	MSAS Storm Sewer Cost Group 6	Length * UnitCost	0.5 * 205600	\$102,800
Sidewalk	MSAS Sidewalk Cost Group 6	Length * UnitCost * FeetPerMile * SidewalkWidth	0.5 * 5.66 * 5280 * 10	\$149,424
Street Lighting	MSAS Street Lighting Cost Group 6	Length * UnitCost	0.5 * 100000	\$50,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 6	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.5 * 16.36 * 5280 * 2	\$86,381
Signal Leg	MSAS Traffic Signals Cost Group 6	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	1058440 * 0.220	\$232,857
Total				\$1,291,297

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-104-006

Original		Current
STURGEON LAKE ROAD	Street Name	STURGEON LAKE ROAD
.02 MI. EAST OF NSP ACCESS ROADWAY TO BUFFALO SLOUGH TRAIL	Termini	.02 MI. EAST OF NSP ACCESS ROADWAY TO BUFFALO SLOUGH TRAIL
0.51	Length	0.51
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
12500	Present AADT	12500
6 (9000 - 13999)	Traffic Group Code	6 (9000 - 13999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1996	Year of Latest SA Fund	1996
	Comments	
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
391216H	USDOT Number	391216H
0.2	Milepoint	0.2
	Comments	
All MSAS Railroads	RailRoad Group	All MSAS Railroads

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 6	Length * Quantity * UnitCost	0.51 * 31460 * 14.18	\$227,512
Bituminous	MSAS Bituminous Cost Group 6	Length * Quantity * UnitCost	0.51 * 8287 * 65	\$274,714
Excavation	MSAS Excavation Cost Group 6	Length * Quantity * UnitCost	0.51 * 37918 * 9.36	\$181,005
Storm Sewer	MSAS Storm Sewer Cost Group 6	Length * UnitCost	0.51 * 205600	\$104,856
Sidewalk	MSAS Sidewalk Cost Group 6	Length * UnitCost * FeetPerMile * SidewalkWidth	0.51 * 5.66 * 5280 * 10	\$152,412
Street Lighting	MSAS Street Lighting Cost Group 6	Length * UnitCost	0.51 * 100000	\$51,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 6	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.51 * 16.36 * 5280 * 2	\$88,108
Signal Leg	MSAS Traffic Signals Cost Group 6	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	1079607 * 0.220	\$237,514
Total				\$1,317,121

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-104-010

Original		Current
STURGEON LAKE ROAD	Street Name	STURGEON LAKE ROAD
BUFFALO SLOUGH TRAIL TO WIOBATA STREET	Termini	BUFFALO SLOUGH TRAIL TO WIOBATA STREET
0.12	Length	0.12
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
12500	Present AADT	12500
6 (9000 - 13999)	Traffic Group Code	6 (9000 - 13999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1996	Year of Latest SA Fund	1996
	Comments	
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 6	Length * Quantity * UnitCost	0.12 * 31460 * 14.18	\$53,532
Bituminous	MSAS Bituminous Cost Group 6	Length * Quantity * UnitCost	0.12 * 8287 * 65	\$64,639
Excavation	MSAS Excavation Cost Group 6	Length * Quantity * UnitCost	0.12 * 37918 * 9.36	\$42,589
Storm Sewer	MSAS Storm Sewer Cost Group 6	Length * UnitCost	0.12 * 205600	\$24,672
Sidewalk	MSAS Sidewalk Cost Group 6	Length * UnitCost * FeetPerMile * SidewalkWidth	0.12 * 5.66 * 5280 * 10	\$35,862
Street Lighting	MSAS Street Lighting Cost Group 6	Length * UnitCost	0.12 * 100000	\$12,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 6	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.12 * 16.36 * 5280 * 2	\$20,731
Signal Leg	MSAS Traffic Signals Cost Group 6	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	254025 * 0.220	\$55,886
Total				\$309,911

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING**

Segment Nbr : 156-104-011

Original

Current

STURGEON LAKE ROAD	Street Name	STURGEON LAKE ROAD
WIOBATA STREET TO 0.16 MILES EAST OF WIOBATA STREET	Termini	WIOBATA STREET TO 0.16 MILES EAST OF WIOBATA STREET
0.16	Length	0.16
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
12500	Present AADT	12500
6 (9000 - 13999)	Traffic Group Code	6 (9000 - 13999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1996	Year of Latest SA Fund	1996
Termini description updated in 2018 to more accurately describe segment end location.	Comments	Termini description updated in 2018 to more accurately describe segment end location.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 6	Length * Quantity * UnitCost	0.16 * 31460 * 14.18	\$71,376
Bituminous	MSAS Bituminous Cost Group 6	Length * Quantity * UnitCost	0.16 * 8287 * 65	\$86,185
Excavation	MSAS Excavation Cost Group 6	Length * Quantity * UnitCost	0.16 * 37918 * 9.36	\$56,786
Storm Sewer	MSAS Storm Sewer Cost Group 6	Length * UnitCost	0.16 * 205600	\$32,896
Sidewalk	MSAS Sidewalk Cost Group 6	Length * UnitCost * FeetPerMile * SidewalkWidth	0.16 * 5.66 * 5280 * 10	\$47,816
Street Lighting	MSAS Street Lighting Cost Group 6	Length * UnitCost	0.16 * 100000	\$16,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 6	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.16 * 16.36 * 5280 * 2	\$27,642
Signal Leg	MSAS Traffic Signals Cost Group 6	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	338701 * 0.220	\$74,514
Total				\$413,215

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : RED WING Segment Nbr : 156-105-010

Original		Current
EAST AVENUE	Street Name	EAST AVENUE
12TH ST TO 7TH ST	Termini	12TH ST TO 7TH ST
0.38	Length	0.38
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2700	Present AADT	2700
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-105-05, BID LETTING ON 7-6-09.	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-105-05, BID LETTING ON 7-6-09.
Intersections with 9th Street, 10th Street, and 11th Street to be fully or partially reconstructed in 2018 (local funds only).		Intersections with 9th Street, 10th Street, and 11th Street to be fully or partially reconstructed in 2018/19 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.38 * 19628 * 14.18	\$105,764
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.38 * 4773 * 65	\$117,893
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.38 * 25188 * 9.36	\$89,589
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.38 * 184000	\$69,920
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.38 * 5.66 * 5280 * 10	\$113,562
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.38 * 100000	\$38,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.38 * 16.36 * 5280 * 2	\$65,649
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	600377 * 0.220	\$132,083
Total				\$732,460

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-105-020

Original		Current
EAST AVENUE	Street Name	EAST AVENUE
SEVENTH STREET TO THIRD STREET	Termini	SEVENTH STREET TO THIRD STREET
0.29	Length	0.29
Improved	Existing Roadway Type	Improved
One Way	Existing Lane Description	One Way
0	Existing Number of Signal Legs	0
3550	Present AADT	3550
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-105-05, BID LETTING ON 7-6-09. REVISED TO FULL LENGTH PER CITY REQUEST 6/07/10.	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-105-05, BID LETTING ON 7-6-09. REVISED TO FULL LENGTH PER CITY REQUEST 6/07/10.
6th Street intersection partially reconstructed in 2017 (local funds only).		6th Street intersection partially reconstructed in 2017 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.29 * 19628 * 14.18	\$80,714
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.29 * 4773 * 65	\$89,971
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.29 * 25188 * 9.36	\$68,370
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.29 * 184000	\$53,360
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.29 * 5.66 * 5280 * 10	\$86,666
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.29 * 100000	\$29,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.29 * 16.36 * 5280 * 2	\$50,101
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	458182 * 0.220	\$100,800
Total				\$558,982

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-105-030

Original		Current
EAST AVENUE	Street Name	EAST AVENUE
THIRD STREET TO MAIN STREET	Termini	THIRD STREET TO MAIN STREET
0.04	Length	0.04
Improved	Existing Roadway Type	Improved
One Way	Existing Lane Description	One Way
1	Existing Number of Signal Legs	1
3550	Present AADT	3550
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2016	Year of Latest SA Fund	2016
RECONSTRUCTION OF MAIN STREET INTERSECTION IN 2015 AND 2016.	Comments	RECONSTRUCTION OF MAIN STREET INTERSECTION IN 2015 AND 2016.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.04 * 19628 * 14.18	\$11,133
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.04 * 4773 * 65	\$12,410
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.04 * 25188 * 9.36	\$9,430
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.04 * 184000	\$7,360
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.04 * 5.66 * 5280 * 10	\$11,954
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.04 * 100000	\$4,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.04 * 16.36 * 5280 * 2	\$6,910
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	115122 * 0.220	\$25,327
Total				\$140,449

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-105-040

Original		Current
BROAD STREET	Street Name	BROAD STREET
MAIN ST TO 318 FT. NORTHERLY OF MAIN STREET	Termini	MAIN ST TO 318 FT. NORTHERLY OF MAIN STREET
0.06	Length	0.06
Improved	Existing Roadway Type	Improved
Divided	Existing Lane Description	Divided
1	Existing Number of Signal Legs	1
2600	Present AADT	2600
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2016	Year of Latest SA Fund	2016
RECONSTRUCTION OF MAIN STREET INTERSECTION IN 2015 AND 2016.	Comments	RECONSTRUCTION OF MAIN STREET INTERSECTION IN 2015 AND 2016.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.06 * 19628 * 14.18	\$16,700
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.06 * 4773 * 65	\$18,615
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.06 * 25188 * 9.36	\$14,146
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.06 * 184000	\$11,040
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.06 * 5.66 * 5280 * 10	\$17,931
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.06 * 100000	\$6,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.06 * 16.36 * 5280 * 4	\$20,731
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	157088 * 0.220	\$34,559
Total				\$191,647

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-105-050

Original		Current
BROAD STREET	Street Name	BROAD STREET
318 FT. NORTHERLY OF MAIN ST. TO LEVEE RD.	Termini	318 FT. NORTHERLY OF MAIN ST. TO LEVEE RD.
0.06	Length	0.06
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2600	Present AADT	2600
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1991	Year of Latest SA Fund	1991
INTERSECTION WITH LEVEE ROAD RECONSTRUCTED IN 2016 (DID NOT USE BROAD STREET MSAS FUNDS).	Comments	INTERSECTION WITH LEVEE ROAD RECONSTRUCTED IN 2016 (DID NOT USE BROAD STREET MSAS FUNDS).
	Segment Override	

RailRoadCrossing Information

Status: Original

Original		Current
CANADIAN PACIFIC RAILWAY	RailRoad Name	CANADIAN PACIFIC RAILWAY
391204N	USDOT Number	391204N
0.05	Milepoint	0.05
	Comments	
All MSAS Railroads	RailRoad Group	All MSAS Railroads

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.06 * 19628 * 14.18	\$16,700
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.06 * 4773 * 65	\$18,615
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.06 * 25188 * 9.36	\$14,146
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.06 * 184000	\$11,040
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.06 * 5.66 * 5280 * 10	\$17,931
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.06 * 100000	\$6,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.06 * 16.36 * 5280 * 2	\$10,366
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	94798 * 0.220	\$20,856
Total				\$115,654

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING**

Segment Nbr : 156-106-010

Original		Current
CENTRAL AVENUE	Street Name	CENTRAL AVENUE
MAPLE ST TO GRACE ST	Termini	MAPLE ST TO GRACE ST
0.23	Length	0.23
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1200	Present AADT	1200
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2004	Year of Latest SA Fund	2004
SAP 156-106-02 GRADE AND SURFACE, LET 5-18-04 APS.	Comments	SAP 156-106-02 GRADE AND SURFACE, LET 5-18-04 APS.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.23 * 10176 * 14.18	\$33,188
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.23 * 3978 * 65	\$59,471
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.23 * 17698 * 9.36	\$38,100
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.23 * 174800	\$40,204
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.23 * 5.66 * 5280 * 10	\$68,735
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.23 * 100000	\$23,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.23 * 16.36 * 5280 * 2	\$39,735
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	302433 * 0.220	\$66,535
Total				\$368,968

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-106-030

Original		Current
GRACE STREET	Street Name	GRACE STREET
W JCT CENTRAL AVE TO E JCT CENTRAL AVE	Termini	W JCT CENTRAL AVE TO E JCT CENTRAL AVE
0.03	Length	0.03
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1200	Present AADT	1200
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
	Comments	
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.03 * 10176 * 14.18	\$4,329
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.03 * 3978 * 65	\$7,757
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.03 * 17698 * 9.36	\$4,970
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.03 * 174800	\$5,244
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.03 * 5.66 * 5280 * 10	\$8,965
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.03 * 100000	\$3,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.03 * 16.36 * 5280 * 2	\$5,183
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	39448 * 0.220	\$8,679
Total				\$48,127

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-106-040

Original		Current
CENTRAL AVENUE	Street Name	CENTRAL AVENUE
GRACE ST TO SEVENTH ST	Termini	GRACE ST TO SEVENTH ST
0.33	Length	0.33
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1200	Present AADT	1200
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1996	Year of Latest SA Fund	1996
	Comments	
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.33 * 10176 * 14.18	\$47,618
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.33 * 3978 * 65	\$85,328
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.33 * 17698 * 9.36	\$54,666
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.33 * 174800	\$57,684
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.33 * 5.66 * 5280 * 10	\$98,620
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.33 * 100000	\$33,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.33 * 16.36 * 5280 * 2	\$57,011
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	433927 * 0.220	\$95,464
Total				\$529,391

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-106-050

Original		Current
WEST AVENUE	Street Name	WEST AVENUE
7TH STREET TO 3RD STREET	Termini	7TH STREET TO 3RD STREET
0.29	Length	0.29
Improved	Existing Roadway Type	Improved
One Way	Existing Lane Description	One Way
0	Existing Number of Signal Legs	0
3800	Present AADT	3800
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
REVISED TO FULL LENGTH PER CITY REQUEST 6/17/2010.	Comments	REVISED TO FULL LENGTH PER CITY REQUEST 6/17/2010.
5th Street and 6th Street intersections fully reconstructed in 2017 (local funds only).		5th Street and 6th Street intersections fully reconstructed in 2017 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.29 * 19628 * 14.18	\$80,714
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.29 * 4773 * 65	\$89,971
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.29 * 25188 * 9.36	\$68,370
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.29 * 184000	\$53,360
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.29 * 5.66 * 5280 * 10	\$86,666
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.29 * 100000	\$29,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.29 * 16.36 * 5280 * 2	\$50,101
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	458182 * 0.220	\$100,800
Total				\$558,982

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-106-060

Original		Current
WEST AVENUE	Street Name	WEST AVENUE
THIRD STREET TO MAIN STREET	Termini	THIRD STREET TO MAIN STREET
0.04	Length	0.04
Improved	Existing Roadway Type	Improved
One Way	Existing Lane Description	One Way
0	Existing Number of Signal Legs	0
4400	Present AADT	4400
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2016	Year of Latest SA Fund	2016
INTERSECTION WITH MAIN STREET RECONSTRUCTED IN 2015/2016.	Comments	INTERSECTION WITH MAIN STREET RECONSTRUCTED IN 2015/2016.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.04 * 19628 * 14.18	\$11,133
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.04 * 4773 * 65	\$12,410
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.04 * 25188 * 9.36	\$9,430
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.04 * 184000	\$7,360
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.04 * 5.66 * 5280 * 10	\$11,954
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.04 * 100000	\$4,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.04 * 16.36 * 5280 * 2	\$6,910
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	63197 * 0.220	\$13,903
Total				\$77,100

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-107-010

Original		Current
DAKOTA STREET	Street Name	DAKOTA STREET
FOURTH STREET TO MAIN STREET	Termini	FOURTH STREET TO MAIN STREET
0.15	Length	0.15
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1400	Present AADT	1400
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
INTERSECTION WITH MAIN STREET RECONSTRUCTED IN 2015.	Comments	INTERSECTION WITH MAIN STREET RECONSTRUCTED IN 2015.
Mill and overlay in 2017 (local funds only).		Mill and overlay in 2017 (local funds only).
Segment Override		

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.15 * 10176 * 14.18	\$21,644
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.15 * 3978 * 65	\$38,786
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.15 * 17698 * 9.36	\$24,848
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.15 * 174800	\$26,220
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.15 * 5.66 * 5280 * 10	\$44,827
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.15 * 100000	\$15,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.15 * 16.36 * 5280 * 2	\$25,914
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	197239 * 0.220	\$43,393
Total				\$240,632

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-109-005

Original

Current

MAPLE STREET	Street Name	MAPLE STREET
SOUTHWOOD AVENUE TO WEST AVENUE	Termini	SOUTHWOOD AVENUE TO WEST AVENUE
0.25	Length	0.25
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1200	Present AADT	1200
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Comments

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.25 * 10176 * 14.18	\$36,074
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.25 * 3978 * 65	\$64,643
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.25 * 17698 * 9.36	\$41,413
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.25 * 174800	\$43,700
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.25 * 5.66 * 5280 * 10	\$74,712
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.25 * 100000	\$25,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.25 * 16.36 * 5280 * 2	\$43,190
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	328732 * 0.220	\$72,321
Total				\$401,053

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-109-010

Original		Current
MAPLE STREET	Street Name	MAPLE STREET
WEST AVENUE TO 40' E OF VERA AVENUE	Termini	WEST AVENUE TO 40' E OF VERA AVENUE
0.13	Length	0.13
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1550	Present AADT	1550
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1991	Year of Latest SA Fund	1991
OVERLAY WITH LOCAL FUNDS IN 2001. APS	Comments	OVERLAY WITH LOCAL FUNDS IN 2001. APS
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.13 * 10176 * 14.18	\$18,758
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.13 * 3978 * 65	\$33,614
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.13 * 17698 * 9.36	\$21,535
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.13 * 174800	\$22,724
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.13 * 5.66 * 5280 * 10	\$38,850
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.13 * 100000	\$13,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.13 * 16.36 * 5280 * 2	\$22,459
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	170940 * 0.220	\$37,607
Total				\$208,547

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING**

Segment Nbr : 156-109-011

Original

Current

MAPLE STREET	Street Name	MAPLE STREET
40 FEET EAST OF VERA AVE. TO MASON STREET	Termini	40 FEET EAST OF VERA AVE. TO MASON STREET
0.14	Length	0.14
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1550	Present AADT	1550
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2004	Year of Latest SA Fund	2004
1990 STATE AID FUND EXPENDITURES WERE FOR SIDEWALK, RET. WALL, AND OTHER BOULEVARD CONSTRUCTION.	Comments	1990 STATE AID FUND EXPENDITURES WERE FOR SIDEWALK, RET. WALL, AND OTHER BOULEVARD CONSTRUCTION.
SAP 156-109-06 GRADE AND SURFACE, LET 5-18-04 APS.		SAP 156-109-06 GRADE AND SURFACE, LET 5-18-04 APS.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.14 * 10176 * 14.18	\$20,201
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.14 * 3978 * 65	\$36,200
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.14 * 17698 * 9.36	\$23,191
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.14 * 174800	\$24,472
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.14 * 5.66 * 5280 * 10	\$41,839
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.14 * 100000	\$14,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.14 * 16.36 * 5280 * 2	\$24,187
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	184090 * 0.220	\$40,500
Total				\$224,590

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-109-020

Original

Current

MASON STREET	Street Name	MASON STREET
MAPLE STREET TO CHESTNUT STREET	Termini	MAPLE STREET TO CHESTNUT STREET
0.18	Length	0.18
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1550	Present AADT	1550
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2004	Year of Latest SA Fund	2004
1990 STATE AID FUND EXPENDITURES WERE FOR SIDEWALK, RET. WALL, AND OTHER BOULEVARD CONSTRUCTION.	Comments	1990 STATE AID FUND EXPENDITURES WERE FOR SIDEWALK, RET. WALL, AND OTHER BOULEVARD CONSTRUCTION.
SAP 156-109-06 GRADE AND SURFACE, LET 5-18-04 APS.		SAP 156-109-06 GRADE AND SURFACE, LET 5-18-04 APS.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.18 * 10176 * 14.18	\$25,973
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.18 * 3978 * 65	\$46,543
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.18 * 17698 * 9.36	\$29,818
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.18 * 174800	\$31,464
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.18 * 5.66 * 5280 * 10	\$53,793
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.18 * 100000	\$18,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.18 * 16.36 * 5280 * 2	\$31,097
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	236688 * 0.220	\$52,071
Total				\$288,759

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-109-030

Original		Current
CHESTNUT STREET	Street Name	CHESTNUT STREET
MASON ST TO SEYMOUR ST	Termini	MASON ST TO SEYMOUR ST
0.06	Length	0.06
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1550	Present AADT	1550
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2004	Year of Latest SA Fund	2004
SAP 156-109-06 GRADE AND SURFACE, LET 5-18-04 APS.	Comments	SAP 156-109-06 GRADE AND SURFACE, LET 5-18-04 APS.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.06 * 10176 * 14.18	\$8,658
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.06 * 3978 * 65	\$15,514
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.06 * 17698 * 9.36	\$9,939
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.06 * 174800	\$10,488
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.06 * 5.66 * 5280 * 10	\$17,931
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.06 * 100000	\$6,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.06 * 16.36 * 5280 * 2	\$10,366
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	78896 * 0.220	\$17,357
Total				\$96,253

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : RED WING

Segment Nbr : 156-109-040

Original		Current
SEYMOUR STREET	Street Name	SEYMOUR STREET
CHESTNUT STREET TO TWELFTH STREET	Termini	CHESTNUT STREET TO TWELFTH STREET
0.07	Length	0.07
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1550	Present AADT	1550
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1999	Year of Latest SA Fund	1999
To be chip sealed/fog sealed in 2018 (local funds only).	Comments	Chip sealed/fog sealed in 2018 (local funds only).
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.07 * 10176 * 14.18	\$10,101
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.07 * 3978 * 65	\$18,100
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.07 * 17698 * 9.36	\$11,596
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.07 * 174800	\$12,236
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.07 * 5.66 * 5280 * 10	\$20,919
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.07 * 100000	\$7,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.07 * 16.36 * 5280 * 2	\$12,093
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	92045 * 0.220	\$20,250
Total				\$112,295

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : RED WING

Segment Nbr : 156-109-051

Original		Current
12TH STREET	Street Name	12TH STREET
SEYMOUR STREET TO EAST AVENUE	Termini	SEYMOUR STREET TO EAST AVENUE
0.19	Length	0.19
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1550	Present AADT	1550
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1999	Year of Latest SA Fund	1999
To be chip sealed/fog sealed in 2018 (local funds only).	Comments	Chip sealed/fog sealed in 2018 (local funds only).
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.19 * 10176 * 14.18	\$27,416
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.19 * 3978 * 65	\$49,128
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.19 * 17698 * 9.36	\$31,474
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.19 * 174800	\$33,212
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.19 * 5.66 * 5280 * 10	\$56,781
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.19 * 100000	\$19,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.19 * 16.36 * 5280 * 2	\$32,825
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	249836 * 0.220	\$54,964
Total				\$304,800

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-110-010

Original		Current
BLUFF STREET	Street Name	BLUFF STREET
FOURTH STREET TO SEVENTH STREET	Termini	FOURTH STREET TO SEVENTH STREET
0.22	Length	0.22
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
500	Present AADT	500
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
4th Street intersection to be partially reconstructed in 2018 due to TH 63 bridge project (Trunk Highway funds).	Comments	4th Street intersection to be partially reconstructed in 2018 due to TH 63 bridge project (Trunk Highway funds).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.22 * 10176 * 14.18	\$31,745
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.22 * 3978 * 65	\$56,885
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.22 * 17698 * 9.36	\$36,444
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.22 * 174800	\$38,456
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.22 * 5.66 * 5280 * 10	\$65,747
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.22 * 100000	\$22,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.22 * 16.36 * 5280 * 2	\$38,008
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	289285 * 0.220	\$63,643
Total				\$352,928

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-111-030

Original

Current

7TH STREET WEST	Street Name	7TH STREET WEST
CENTRAL AVE TO EAST AVE	Termini	CENTRAL AVE TO EAST AVE
0.07	Length	0.07
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
5600	Present AADT	5600
5 (5000 - 8999)	Traffic Group Code	5 (5000 - 8999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
EXISTING STORM SEWER IS CLAY PIPE BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-111-05, BID LETTING ON 7-6-09.	Comments	EXISTING STORM SEWER IS CLAY PIPE BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-111-05, BID LETTING ON 7-6-09.
Storm tunnel repair between Central Avenue and East Avenue in 2017 (local funds only).		Storm tunnel repair between Central Avenue and East Avenue in 2017 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 5	Length * Quantity * UnitCost	0.07 * 27907 * 14.18	\$27,700
Bituminous	MSAS Bituminous Cost Group 5	Length * Quantity * UnitCost	0.07 * 5834 * 65	\$26,545
Excavation	MSAS Excavation Cost Group 5	Length * Quantity * UnitCost	0.07 * 32795 * 9.36	\$21,487
Storm Sewer	MSAS Storm Sewer Cost Group 5	Length * UnitCost	0.07 * 196400	\$13,748
Sidewalk	MSAS Sidewalk Cost Group 5	Length * UnitCost * FeetPerMile * SidewalkWidth	0.07 * 5.66 * 5280 * 10	\$20,919
Street Lighting	MSAS Street Lighting Cost Group 5	Length * UnitCost	0.07 * 100000	\$7,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 5	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.07 * 16.36 * 5280 * 2	\$12,093
Signal Leg	MSAS Traffic Signals Cost Group 5	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	129492 * 0.220	\$28,488
Total				\$157,980

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

RED WING

Segment Nbr : 156-111-031

Original

Current

7TH STREET WEST
 EAST AVENUE TO BUSH STREET
 0.17
 Improved
 Undivided
 0
 3600
 4 (2000 - 4999)
 2015
 N
 N
 N
 2009

Street Name
 Termini
 Length
 Existing Roadway Type
 Existing Lane Description
 Existing Number of Signal Legs
 Present AADT
 Traffic Group Code
 Year of AADT Count
 Common Boundary Designation
 Turnback Mileage
 Outside City Limit
 Year of Latest SA Fund

7TH STREET WEST
 EAST AVENUE TO BUSH STREET
 0.17
 Improved
 Undivided
 0
 3600
 4 (2000 - 4999)
 2015
 N
 N
 N
 2009

BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-111-05, BID LETTING ON 7-6-09.

Comments

BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-111-05, BID LETTING ON 7-6-09.

Bush Street intersection to be partially reconstructed in 2018 (local funds only).

Bush Street intersection to be partially reconstructed in 2018/19 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.17 * 19628 * 14.18	\$47,315
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.17 * 4773 * 65	\$52,742
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.17 * 25188 * 9.36	\$40,079
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.17 * 184000	\$31,280
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.17 * 5.66 * 5280 * 10	\$50,804
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.17 * 100000	\$17,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.17 * 16.36 * 5280 * 2	\$29,369
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	268589 * 0.220	\$59,090
Total				\$327,679

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : **RED WING**

Segment Nbr : 156-111-032

Original

Current

7TH STREET WEST	Street Name	7TH STREET WEST
BUSH STREET TO PLUM STREET	Termini	BUSH STREET TO PLUM STREET
0.07	Length	0.07
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3800	Present AADT	3800
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1997	Year of Latest SA Fund	1997
Bush Street intersection to be partially reconstructed in 2018 (local funds only).	Comments	Bush Street intersection to be partially reconstructed in 2018/19 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.07 * 19628 * 14.18	\$19,483
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.07 * 4773 * 65	\$21,717
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.07 * 25188 * 9.36	\$16,503
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.07 * 184000	\$12,880
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.07 * 5.66 * 5280 * 10	\$20,919
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.07 * 100000	\$7,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.07 * 16.36 * 5280 * 2	\$12,093
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	110595 * 0.220	\$24,331
Total				\$134,926

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-111-040

Original

Current

7TH STREET WEST	Street Name	7TH STREET WEST
PLUM ST. TO POTTER ST.	Termini	PLUM ST. TO POTTER ST.
0.07	Length	0.07
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3050	Present AADT	3050
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1997	Year of Latest SA Fund	1997
McSorley Street intersection to be partially reconstructed in 2018 (local funds only).	Comments	McSorley Street intersection to be partially reconstructed in 2018 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.07 * 19628 * 14.18	\$19,483
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.07 * 4773 * 65	\$21,717
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.07 * 25188 * 9.36	\$16,503
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.07 * 184000	\$12,880
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.07 * 5.66 * 5280 * 10	\$20,919
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.07 * 100000	\$7,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.07 * 16.36 * 5280 * 2	\$12,093
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	110595 * 0.220	\$24,331
Total				\$134,926

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-111-050

Original		Current
7TH STREET WEST	Street Name	7TH STREET WEST
POTTER ST TO BLUFF STREET	Termini	POTTER ST TO BLUFF STREET
0.07	Length	0.07
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3050	Present AADT	3050
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1997	Year of Latest SA Fund	1997
	Comments	
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.07 * 19628 * 14.18	\$19,483
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.07 * 4773 * 65	\$21,717
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.07 * 25188 * 9.36	\$16,503
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.07 * 184000	\$12,880
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.07 * 5.66 * 5280 * 10	\$20,919
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.07 * 100000	\$7,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.07 * 16.36 * 5280 * 2	\$12,093
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	110595 * 0.220	\$24,331
Total				\$134,926

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-111-055

Original		Current
7TH STREET EAST	Street Name	7TH STREET EAST
BLUFF ST. TO 650 FT. E'LY OF CENTENNIAL ST.	Termini	BLUFF ST. TO 650 FT. E'LY OF CENTENNIAL ST.
0.34	Length	0.34
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1350	Present AADT	1350
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1996	Year of Latest SA Fund	1996
	Comments	
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.34 * 10176 * 14.18	\$49,061
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.34 * 3978 * 65	\$87,914
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.34 * 17698 * 9.36	\$56,322
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.34 * 174800	\$59,432
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.34 * 5.66 * 5280 * 10	\$101,608
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.34 * 100000	\$34,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.34 * 16.36 * 5280 * 2	\$58,739
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	447076 * 0.220	\$98,357
Total				\$545,433

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-111-060

Original

Current

7TH STREET EAST	Street Name	7TH STREET EAST
650' E OF CENTENNIAL ST TO STENS DRIVE	Termini	650' E OF CENTENNIAL ST TO STENS DRIVE
0.21	Length	0.21
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1350	Present AADT	1350
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MILLED & OVERLAYED IN 2002 WITH LOCAL FUNDS.	Comments	MILLED & OVERLAYED IN 2002 WITH LOCAL FUNDS.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.21 * 10176 * 14.18	\$30,302
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.21 * 3978 * 65	\$54,300
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.21 * 17698 * 9.36	\$34,787
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.21 * 174800	\$36,708
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.21 * 5.66 * 5280 * 10	\$62,758
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.21 * 100000	\$21,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.21 * 16.36 * 5280 * 2	\$36,280
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	276135 * 0.220	\$60,750
Total				\$336,885

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-111-070

Original

Current

7TH STREET EAST	Street Name	7TH STREET EAST
STENS DRIVE TO SKYLINE DRIVE	Termini	STENS DRIVE TO SKYLINE DRIVE
0.08	Length	0.08
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1350	Present AADT	1350
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MILLED & OVERLAYED IN 2002 WITH LOCAL FUNDS.	Comments	MILLED & OVERLAYED IN 2002 WITH LOCAL FUNDS.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.08 * 10176 * 14.18	\$11,544
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.08 * 3978 * 65	\$20,686
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.08 * 17698 * 9.36	\$13,252
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.08 * 174800	\$13,984
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.08 * 5.66 * 5280 * 10	\$23,908
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.08 * 100000	\$8,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.08 * 16.36 * 5280 * 2	\$13,821
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	105195 * 0.220	\$23,143
Total				\$128,338

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING**

Segment Nbr : 156-111-080

Original		Current
7TH STREET EAST	Street Name	7TH STREET EAST
SKYLINE DRIVE TO FREEMAN AVE	Termini	SKYLINE DRIVE TO FREEMAN AVE
0.43	Length	0.43
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1350	Present AADT	1350
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MILLED & OVERLAYED IN 2002 WITH LOCAL FUNDS.	Comments	MILLED & OVERLAYED IN 2002 WITH LOCAL FUNDS.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.43 * 10176 * 14.18	\$62,047
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.43 * 3978 * 65	\$111,185
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.43 * 17698 * 9.36	\$71,231
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.43 * 174800	\$75,164
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.43 * 5.66 * 5280 * 10	\$128,505
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.43 * 100000	\$43,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.43 * 16.36 * 5280 * 2	\$74,287
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	565419 * 0.220	\$124,392
Total				\$689,811

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-111-090

Original		Current
7TH STREET EAST	Street Name	7TH STREET EAST
FREEMAN AVE TO TH 61	Termini	FREEMAN AVE TO TH 61
0.13	Length	0.13
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1350	Present AADT	1350
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MILLED & OVERLAYED IN 2002 WITH LOCAL FUNDS.	Comments	MILLED & OVERLAYED IN 2002 WITH LOCAL FUNDS.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.13 * 10176 * 14.18	\$18,758
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.13 * 3978 * 65	\$33,614
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.13 * 17698 * 9.36	\$21,535
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.13 * 174800	\$22,724
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.13 * 5.66 * 5280 * 10	\$38,850
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.13 * 100000	\$13,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.13 * 16.36 * 5280 * 2	\$22,459
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	170940 * 0.220	\$37,607
Total				\$208,547

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-120-010

Original		Current
4TH STREET WEST	Street Name	4TH STREET WEST
CEDAR STREET TO PINE STREET	Termini	CEDAR STREET TO PINE STREET
0.13	Length	0.13
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3850	Present AADT	3850
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1967	Year of Latest SA Fund	1967
OVERLAY WITH LOCAL FUNDS IN 2001. APS	Comments	OVERLAY WITH LOCAL FUNDS IN 2001. APS
Mill and overlay in 2017 (local funds only).		Mill and overlay in 2017 (local funds only).
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.13 * 19628 * 14.18	\$36,182
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.13 * 4773 * 65	\$40,332
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.13 * 25188 * 9.36	\$30,649
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.13 * 184000	\$23,920
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.13 * 5.66 * 5280 * 10	\$38,850
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.13 * 100000	\$13,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.13 * 16.36 * 5280 * 2	\$22,459
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	205392 * 0.220	\$45,186
Total				\$250,578

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-120-011

Original

Current

4TH STREET WEST	Street Name	4TH STREET WEST
PINE STREET TO FULTON STREET	Termini	PINE STREET TO FULTON STREET
0.22	Length	0.22
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3850	Present AADT	3850
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1966	Year of Latest SA Fund	1966
OVERLAY WITH LOCAL FUNDS IN 2001. APS	Comments	OVERLAY WITH LOCAL FUNDS IN 2001. APS
Mill and overlay in 2017 (local funds only).		Mill and overlay in 2017 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.22 * 19628 * 14.18	\$61,232
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.22 * 4773 * 65	\$68,254
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.22 * 25188 * 9.36	\$51,867
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.22 * 184000	\$40,480
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.22 * 5.66 * 5280 * 10	\$65,747
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.22 * 100000	\$22,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.22 * 16.36 * 5280 * 2	\$38,008
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	347588 * 0.220	\$76,469
Total				\$424,057

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-120-012

Original		Current
4TH STREET WEST	Street Name	4TH STREET WEST
FULTON STREET TO WEST AVENUE	Termini	FULTON STREET TO WEST AVENUE
0.14	Length	0.14
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3850	Present AADT	3850
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1900	Year of Latest SA Fund	1900
OVERLAY WITH LOCAL FUNDS IN 2001. APS	Comments	OVERLAY WITH LOCAL FUNDS IN 2001. APS
Mill and overlay in 2017 (local funds only).		Mill and overlay in 2017 (local funds only).
Segment Override		

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.14 * 19628 * 14.18	\$38,966
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.14 * 4773 * 65	\$43,434
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.14 * 25188 * 9.36	\$33,006
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.14 * 184000	\$25,760
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.14 * 5.66 * 5280 * 10	\$41,839
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.14 * 100000	\$14,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.14 * 16.36 * 5280 * 2	\$24,187
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	221192 * 0.220	\$48,662
Total				\$269,854

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : **156-120-015**

Original		Current
4TH STREET WEST	Street Name	4TH STREET WEST
WEST AVENUE TO BUSH ST	Termini	WEST AVENUE TO BUSH ST
0.16	Length	0.16
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3850	Present AADT	3850
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-120-04, BID LETTING ON 7-6-09.	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-120-04, BID LETTING ON 7-6-09.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.16 * 19628 * 14.18	\$44,532
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.16 * 4773 * 65	\$49,639
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.16 * 25188 * 9.36	\$37,722
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.16 * 184000	\$29,440
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.16 * 5.66 * 5280 * 10	\$47,816
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.16 * 100000	\$16,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.16 * 16.36 * 5280 * 2	\$27,642
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	252791 * 0.220	\$55,614
Total				\$308,405

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-120-020

Original		Current
4TH STREET WEST	Street Name	4TH STREET WEST
BUSH STREET TO PLUM STREET	Termini	BUSH STREET TO PLUM STREET
0.07	Length	0.07
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3850	Present AADT	3850
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MILLED & OVERLAYED IN 2002 WITH LOCAL FUNDS.	Comments	MILLED & OVERLAYED IN 2002 WITH LOCAL FUNDS.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.07 * 19628 * 14.18	\$19,483
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.07 * 4773 * 65	\$21,717
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.07 * 25188 * 9.36	\$16,503
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.07 * 184000	\$12,880
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.07 * 5.66 * 5280 * 10	\$20,919
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.07 * 100000	\$7,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.07 * 16.36 * 5280 * 2	\$12,093
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	110595 * 0.220	\$24,331
Total				\$134,926

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-120-030

Original		Current
4TH STREET WEST	Street Name	4TH STREET WEST
PLUM STREET TO POTTER STREET	Termini	PLUM STREET TO POTTER STREET
0.07	Length	0.07
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3500	Present AADT	3500
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
	Comments	
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.07 * 19628 * 14.18	\$19,483
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.07 * 4773 * 65	\$21,717
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.07 * 25188 * 9.36	\$16,503
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.07 * 184000	\$12,880
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.07 * 5.66 * 5280 * 10	\$20,919
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.07 * 100000	\$7,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.07 * 16.36 * 5280 * 2	\$12,093
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	110595 * 0.220	\$24,331
Total				\$134,926

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-120-040

Original		Current
4TH STREET WEST	Street Name	4TH STREET WEST
POTTER STREET TO BLUFF STREET	Termini	POTTER STREET TO BLUFF STREET
0.07	Length	0.07
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3500	Present AADT	3500
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
Bluff Street intersection to be partially reconstructed in 2018 due to TH 63 bridge project (Trunk Highway funds).	Comments	Bluff Street intersection to be partially reconstructed in 2018 due to TH 63 bridge project (Trunk Highway funds).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.07 * 19628 * 14.18	\$19,483
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.07 * 4773 * 65	\$21,717
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.07 * 25188 * 9.36	\$16,503
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.07 * 184000	\$12,880
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.07 * 5.66 * 5280 * 10	\$20,919
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.07 * 100000	\$7,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.07 * 16.36 * 5280 * 2	\$12,093
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	110595 * 0.220	\$24,331
Total				\$134,926

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-121-010

Original		Current
BENCH STREET NORTH	Street Name	BENCH STREET NORTH
TH NO. 61 TO OLD WEST MAIN STREET	Termini	TH NO. 61 TO OLD WEST MAIN STREET
0.1	Length	0.1
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2900	Present AADT	2900
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2003	Year of Latest SA Fund	2003
R/W WIDTH VAR. (85' MIN.) {SP 156-121-02 GRADE AND SURFACE, LET 5-6-03 (APS)}	Comments	R/W WIDTH VAR. (85' MIN.) {SP 156-121-02 GRADE AND SURFACE, LET 5-6-03 (APS)}
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.1 * 19628 * 14.18	\$27,833
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.1 * 4773 * 65	\$31,025
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.1 * 25188 * 9.36	\$23,576
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.1 * 184000	\$18,400
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.1 * 5.66 * 5280 * 10	\$29,885
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.1 * 100000	\$10,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.1 * 16.36 * 5280 * 2	\$17,276
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	157995 * 0.220	\$34,759
Total				\$192,754

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-122-005

Original

Current

LEVEE STREET	Street Name	LEVEE STREET
BROAD STREET TO BUSH STREET	Termini	BROAD STREET TO BUSH STREET
0.07	Length	0.07
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2400	Present AADT	2400
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Comments

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.07 * 19628 * 14.18	\$19,483
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.07 * 4773 * 65	\$21,717
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.07 * 25188 * 9.36	\$16,503
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.07 * 184000	\$12,880
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.07 * 5.66 * 5280 * 10	\$20,919
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.07 * 100000	\$7,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.07 * 16.36 * 5280 * 2	\$12,093
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	110595 * 0.220	\$24,331
Total				\$134,926

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-122-010

Original		Current
LEVEE ROAD	Street Name	LEVEE ROAD
BROAD STREET TO JACKSON STREET	Termini	BROAD STREET TO JACKSON STREET
0.47	Length	0.47
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2400	Present AADT	2400
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2016	Year of Latest SA Fund	2016
2015/2016 SP-156-122-008 RECONST LIGHTING REC TR & ROUNDAABOUT	Comments	2015/2016 SP-156-122-008 RECONST LIGHTING REC TR & ROUNDAABOUT
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.47 * 19628 * 14.18	\$130,813
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.47 * 4773 * 65	\$145,815
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.47 * 25188 * 9.36	\$110,807
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.47 * 184000	\$86,480
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.47 * 5.66 * 5280 * 10	\$140,459
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.47 * 100000	\$47,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.47 * 16.36 * 5280 * 2	\$81,198
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	742572 * 0.220	\$163,366
Total				\$905,938

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-122-021

Original

Current

LEVEE ROAD	Street Name	LEVEE ROAD
JACKSON STREET TO 285 FT WEST OF JACKSON STREET	Termini	JACKSON STREET TO 285 FT WEST OF JACKSON STREET
0.05	Length	0.05
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1950	Present AADT	1950
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2016	Year of Latest SA Fund	2016
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-122-07, BID LETTING ON 7-6-09	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-122-07, BID LETTING ON 7-6-09
2015/2016 SAP-156-122-008 RECONST LIGHTING REC TR & ROUNDABOUT		2015/2016 SAP-156-122-008 RECONST LIGHTING REC TR & ROUNDABOUT

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.05 * 10176 * 14.18	\$7,215
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.05 * 3978 * 65	\$12,929
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.05 * 17698 * 9.36	\$8,283
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.05 * 174800	\$8,740
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.05 * 5.66 * 5280 * 10	\$14,942
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.05 * 100000	\$5,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.05 * 16.36 * 5280 * 2	\$8,638
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	65747 * 0.220	\$14,464
Total				\$80,211

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-122-030

Original		Current
LEVEE ROAD	Street Name	LEVEE ROAD
285' W OF JACKSON ST TO WITHERS HARBOR DR	Termini	285' W OF JACKSON ST TO WITHERS HARBOR DR
0.7	Length	0.7
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1950	Present AADT	1950
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
10' WIDE BITUMINOUS BIKE TRAIL CONSTRUCTED IN THE SOUTHERLY BOULEVARD WITH FEDERAL & LOCAL FUNDS. (8" CLASS 5, 2" BIT.). BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-122-07, BID LETTING ON 7-6-09.	Comments	10' WIDE BITUMINOUS BIKE TRAIL CONSTRUCTED IN THE SOUTHERLY BOULEVARD WITH FEDERAL & LOCAL FUNDS. (8" CLASS 5, 2" BIT.). BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-122-07, BID LETTING ON 7-6-09.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.7 * 10176 * 14.18	\$101,007
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.7 * 3978 * 65	\$180,999
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.7 * 17698 * 9.36	\$115,957
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.7 * 174800	\$122,360
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.7 * 5.66 * 5280 * 10	\$209,194
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.7 * 100000	\$70,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.7 * 16.36 * 5280 * 2	\$120,933
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	920450 * 0.220	\$202,499
Total				\$1,122,949

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : **156-122-040**

Original		Current
WITHERS HARBOR DRIVE	Street Name	WITHERS HARBOR DRIVE
LEVEE ROAD TO OLD WEST MAIN STREET	Termini	LEVEE ROAD TO OLD WEST MAIN STREET
0.11	Length	0.11
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1950	Present AADT	1950
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
10' WIDE BITUMINOUS BIKE TRAIL CONSTRUCTED IN THE EASTERLY BOULEVARD WITH FEDERAL & LOCAL FUNDS. (8" CLASS 5, 2" BIT.). BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-122-07, BID LETTING ON 7-6-09.	Comments	10' WIDE BITUMINOUS BIKE TRAIL CONSTRUCTED IN THE EASTERLY BOULEVARD WITH FEDERAL & LOCAL FUNDS. (8" CLASS 5, 2" BIT.). BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-122-07, BID LETTING ON 7-6-09.

Segment Override

Bridge Information

Status: Original

Original		Current
025560	Structure Number	025560
0.02	Milepoint	0.02
CM STP & P	Feature Crossed	CM STP & P
155	Structure Length	155
1984	Year Built	1984
	Comments	
BRIDGE	Bridge Type	BRIDGE
3 (500 - 1999)	Bridge Group	3 (500 - 1999)

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.11 * 10176 * 14.18	\$15,873
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.11 * 3978 * 65	\$28,443
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.11 * 17698 * 9.36	\$18,222
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.11 * 174800	\$19,228
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.11 * 5.66 * 5280 * 10	\$32,873
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.11 * 100000	\$11,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.11 * 16.36 * 5280 * 2	\$19,004
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Bridge	MSAS Bridge TGC Group 3	BridgeLength * NeedsWidth * UnitCost	155 * 34 * 95.2	\$501,704

Engineering Cost		Percent of costs	646347 * 0.220	\$142,196
Total				\$788,543

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : RED WING

Segment Nbr : 156-122-050

Original

Current

WITHERS HARBOR DRIVE
 OLD WEST MAIN ST TO SB TH61
 0.28
 Improved
 Undivided
 0
 2200
 4 (2000 - 4999)
 2015
 N
 N
 N
 1984
 OVERLAY WITH LOCAL FUNDS IN 2001.

Street Name
 Termini
 Length
 Existing Roadway Type
 Existing Lane Description
 Existing Number of Signal Legs
 Present AADT
 Traffic Group Code
 Year of AADT Count
 Common Boundary Designation
 Turnback Mileage
 Outside City Limit
 Year of Latest SA Fund
 Comments

WITHERS HARBOR DRIVE
 OLD WEST MAIN ST TO SB TH61
 0.28
 Improved
 Undivided
 0
 2200
 4 (2000 - 4999)
 2015
 N
 N
 N
 1984
 OVERLAY WITH LOCAL FUNDS IN 2001.

10' WIDE BITUMINOUS BIKE TRAIL
 CONSTRUCTED IN THE
 WESTERLY BOULEVARD NORTH
 OF THE TH 61 BRIDGE WITH
 FEDERAL & LOCAL FUNDS IN
 2002. (8" CLASS 5, 2" BIT.)

10' WIDE BITUMINOUS BIKE TRAIL
 CONSTRUCTED IN THE
 WESTERLY BOULEVARD NORTH
 OF THE TH 61 BRIDGE WITH
 FEDERAL & LOCAL FUNDS IN
 2002. (8" CLASS 5, 2" BIT.)

Mill and overlay scheduled for 2018
 (local funds only).

Mill and overlay in 2018 (local
 funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.28 * 19628 * 14.18	\$77,931
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.28 * 4773 * 65	\$86,869
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.28 * 25188 * 9.36	\$66,013
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.28 * 184000	\$51,520
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.28 * 5.66 * 5280 * 10	\$83,677
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.28 * 100000	\$28,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.28 * 16.36 * 5280 * 2	\$48,373
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	442383 * 0.220	\$97,324
Total				\$539,707

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-124-010

Original		Current
PIONEER ROAD	Street Name	PIONEER ROAD
SOUTHBOUND INTERSECTION OF TWIN BLUFF ROAD TO TH 58	Termini	SOUTHBOUND INTERSECTION OF TWIN BLUFF ROAD TO TH 58
1.47	Length	1.47
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
6600	Present AADT	6600
5 (5000 - 8999)	Traffic Group Code	5 (5000 - 8999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-124-07, BID LETTING ON 7-6-09.	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-124-07, BID LETTING ON 7-6-09.
TH 58 intersection pedestrian ramp and signal upgrades in 2018 in coordination with Goodhue County and MnDOT (local funds only).		TH 58 intersection pedestrian ramp and signal upgrades in 2018 in coordination with Goodhue County and MnDOT (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 5	Length * Quantity * UnitCost	1.47 * 27907 * 14.18	\$581,710
Bituminous	MSAS Bituminous Cost Group 5	Length * Quantity * UnitCost	1.47 * 5834 * 65	\$557,439
Excavation	MSAS Excavation Cost Group 5	Length * Quantity * UnitCost	1.47 * 32795 * 9.36	\$451,233
Storm Sewer	MSAS Storm Sewer Cost Group 5	Length * UnitCost	1.47 * 196400	\$288,708
Sidewalk	MSAS Sidewalk Cost Group 5	Length * UnitCost * FeetPerMile * SidewalkWidth	1.47 * 5.66 * 5280 * 10	\$439,307
Street Lighting	MSAS Street Lighting Cost Group 5	Length * UnitCost	1.47 * 100000	\$147,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 5	Length * UnitCost * FeetPerMile * NumberOfCurbs	1.47 * 16.36 * 5280 * 2	\$253,960
Signal Leg	MSAS Traffic Signals Cost Group 5	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	2771282 * 0.220	\$609,682
Total				\$3,380,964

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-125-010

Original		Current
CANNON RIVER AVENUE	Street Name	CANNON RIVER AVENUE
TH 61 TO 0.09 MILES NORTH OF TH 61.	Termini	TH 61 TO 0.09 MILES NORTH OF TH 61.
0.09	Length	0.09
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3950	Present AADT	3950
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-125-14, BID LETTING ON 7-6-09.	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-125-14, BID LETTING ON 7-6-09.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.09 * 19628 * 14.18	\$25,049
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.09 * 4773 * 65	\$27,922
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.09 * 25188 * 9.36	\$21,218
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.09 * 184000	\$16,560
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.09 * 5.66 * 5280 * 10	\$26,896
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.09 * 100000	\$9,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.09 * 16.36 * 5280 * 2	\$15,549
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	142194 * 0.220	\$31,283
Total				\$173,477

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-125-020

Original

Current

CANNON RIVER AVENUE	Street Name	CANNON RIVER AVENUE
.09 MI NORTH OF TH 61 TO TYLER ROAD NORTH	Termini	.09 MI NORTH OF TH 61 TO TYLER ROAD NORTH
0.22	Length	0.22
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3950	Present AADT	3950
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-125-14, BID LETTING ON 7-6-09.	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-125-14, BID LETTING ON 7-6-09.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.22 * 19628 * 14.18	\$61,232
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.22 * 4773 * 65	\$68,254
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.22 * 25188 * 9.36	\$51,867
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.22 * 184000	\$40,480
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.22 * 5.66 * 5280 * 10	\$65,747
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.22 * 100000	\$22,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.22 * 16.36 * 5280 * 2	\$38,008
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	347588 * 0.220	\$76,469
Total				\$424,057

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-125-030

Original		Current
TYLER ROAD NORTH	Street Name	TYLER ROAD NORTH
CANNON RIVER AVENUE TO .27 MILES EASTERLY	Termini	CANNON RIVER AVENUE TO .27 MILES EASTERLY
0.27	Length	0.27
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3950	Present AADT	3950
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-125-14, BID LETTING ON 7-6-09.	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-125-14, BID LETTING ON 7-6-09.
	Segment Override	

Bridge Information

Status: Original

Original		Current
025519	Structure Number	025519
0.24	Milepoint	0.24
SPRING CREEK	Feature Crossed	SPRING CREEK
93	Structure Length	93
1978	Year Built	1978
	Comments	
BRIDGE	Bridge Type	BRIDGE
4 (2000 - 4999)	Bridge Group	4 (2000 - 4999)

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.27 * 19628 * 14.18	\$75,148
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.27 * 4773 * 65	\$83,766
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.27 * 25188 * 9.36	\$63,655
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.27 * 184000	\$49,680
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.27 * 5.66 * 5280 * 10	\$80,689
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.27 * 100000	\$27,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.27 * 16.36 * 5280 * 2	\$46,646
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Bridge	MSAS Bridge TGC Group 4	BridgeLength * NeedsWidth * UnitCost	93 * 40 * 95.2	\$354,144
Engineering Cost		Percent of costs	780728 * 0.220	\$171,760
Total				\$952,488

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-125-040

Original

Current

TYLER ROAD NORTH	Street Name	TYLER ROAD NORTH
.27 MILE EAST OF CANNON RIVER AVE TO .18 MILE NORTH OF TH 61	Termini	.27 MILE EAST OF CANNON RIVER AVE TO .18 MILE NORTH OF TH 61
0.53	Length	0.53
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3950	Present AADT	3950
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-125-14, BID LETTING ON 7-6-09.	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-125-14, BID LETTING ON 7-6-09.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.53 * 19628 * 14.18	\$147,512
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.53 * 4773 * 65	\$164,430
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.53 * 25188 * 9.36	\$124,953
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.53 * 184000	\$97,520
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.53 * 5.66 * 5280 * 10	\$158,389
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.53 * 100000	\$53,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.53 * 16.36 * 5280 * 2	\$91,564
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	837368 * 0.220	\$184,221
Total				\$1,021,589

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-125-050

Original		Current
TYLER ROAD NORTH	Street Name	TYLER ROAD NORTH
0.18 MILES NORTH OF TH 61 TO TH 61	Termini	0.18 MILES NORTH OF TH 61 TO TH 61
0.18	Length	0.18
Improved	Existing Roadway Type	Improved
Divided	Existing Lane Description	Divided
1	Existing Number of Signal Legs	1
3950	Present AADT	3950
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2002	Year of Latest SA Fund	2002
RECONSTRUCTED TO 4-LANE ROADWAY IN 2002 WITH STATE AID FUNDS UNDER PLAN # SAP156-125-011. MNDOT TRAFFIC COUNTS FOR THIS ROUTE WERE TAKEN IN THE 2 LANE SEGMENT OF 156-125-040. RED WING STAFF FEELS THERE IS MORE TRAFFIC IN THIS 4-LANE SEGMENT AND SHOULD BE ADJUSTED ACCORDINGLY BY ADDITIONAL COUNTS TAKEN ON THIS SEGMENT NEXT TIME COUNTS ARE TAKEN.	Comments	RECONSTRUCTED TO 4-LANE ROADWAY IN 2002 WITH STATE AID FUNDS UNDER PLAN # SAP156-125-011. MNDOT TRAFFIC COUNTS FOR THIS ROUTE WERE TAKEN IN THE 2 LANE SEGMENT OF 156-125-040. RED WING STAFF FEELS THERE IS MORE TRAFFIC IN THIS 4-LANE SEGMENT AND SHOULD BE ADJUSTED ACCORDINGLY BY ADDITIONAL COUNTS TAKEN ON THIS SEGMENT NEXT TIME COUNTS ARE TAKEN.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.18 * 19628 * 14.18	\$50,099
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.18 * 4773 * 65	\$55,844
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.18 * 25188 * 9.36	\$42,437
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.18 * 184000	\$33,120
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.18 * 5.66 * 5280 * 10	\$53,793
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.18 * 100000	\$18,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.18 * 16.36 * 5280 * 4	\$62,194
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	367412 * 0.220	\$80,831
Total				\$448,243

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-125-060

Original

Current

TYLER ROAD SOUTH	Street Name	TYLER ROAD SOUTH
TH 61 TO 875' SOUTHERLY	Termini	TH 61 TO 875' SOUTHERLY
0.17	Length	0.17
Improved	Existing Roadway Type	Improved
Divided	Existing Lane Description	Divided
1	Existing Number of Signal Legs	1
8700	Present AADT	8700
5 (5000 - 8999)	Traffic Group Code	5 (5000 - 8999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2002	Year of Latest SA Fund	2002
RECONSTRUCTED TO 4-LANE ROADWAY IN 2002 WITH STATE AID FUNDS UNDER PLAN # SAP156-125-011	Comments	RECONSTRUCTED TO 4-LANE ROADWAY IN 2002 WITH STATE AID FUNDS UNDER PLAN # SAP156-125-011

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 5	Length * Quantity * UnitCost	0.17 * 27907 * 14.18	\$67,273
Bituminous	MSAS Bituminous Cost Group 5	Length * Quantity * UnitCost	0.17 * 5834 * 65	\$64,466
Excavation	MSAS Excavation Cost Group 5	Length * Quantity * UnitCost	0.17 * 32795 * 9.36	\$52,183
Storm Sewer	MSAS Storm Sewer Cost Group 5	Length * UnitCost	0.17 * 196400	\$33,388
Sidewalk	MSAS Sidewalk Cost Group 5	Length * UnitCost * FeetPerMile * SidewalkWidth	0.17 * 5.66 * 5280 * 10	\$50,804
Street Lighting	MSAS Street Lighting Cost Group 5	Length * UnitCost	0.17 * 100000	\$17,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 5	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.17 * 16.36 * 5280 * 4	\$58,739
Signal Leg	MSAS Traffic Signals Cost Group 5	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	395778 * 0.220	\$87,071
Total				\$482,849

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-125-070

Original

Current

TYLER ROAD SOUTH	Street Name	TYLER ROAD SOUTH
875' SOUTH OF TH 61 TO BENCH STREET (CSAH #1)	Termini	875' SOUTH OF TH 61 TO BENCH STREET (CSAH #1)
1.18	Length	1.18
Improved	Existing Roadway Type	Improved
Divided	Existing Lane Description	Divided
1	Existing Number of Signal Legs	1
8700	Present AADT	8700
5 (5000 - 8999)	Traffic Group Code	5 (5000 - 8999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
CONSTRUCTED IN 2000 WITH LOCAL FUNDS.	Comments	CONSTRUCTED IN 2000 WITH LOCAL FUNDS.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 5	Length * Quantity * UnitCost	1.18 * 27907 * 14.18	\$466,951
Bituminous	MSAS Bituminous Cost Group 5	Length * Quantity * UnitCost	1.18 * 5834 * 65	\$447,468
Excavation	MSAS Excavation Cost Group 5	Length * Quantity * UnitCost	1.18 * 32795 * 9.36	\$362,214
Storm Sewer	MSAS Storm Sewer Cost Group 5	Length * UnitCost	1.18 * 196400	\$231,752
Sidewalk	MSAS Sidewalk Cost Group 5	Length * UnitCost * FeetPerMile * SidewalkWidth	1.18 * 5.66 * 5280 * 10	\$352,641
Street Lighting	MSAS Street Lighting Cost Group 5	Length * UnitCost	1.18 * 100000	\$118,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 5	Length * UnitCost * FeetPerMile * NumberOfCurbs	1.18 * 16.36 * 5280 * 4	\$407,717
Signal Leg	MSAS Traffic Signals Cost Group 5	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	2438668 * 0.220	\$536,507
Total				\$2,975,175

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

RED WING

Segment Nbr : 156-127-010

Original

Current

WEST AVENUE	Street Name	WEST AVENUE
SEVENTH STREET TO MAPLE STREET	Termini	SEVENTH STREET TO MAPLE STREET
0.59	Length	0.59
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
4050	Present AADT	4050
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2014	Year of Latest SA Fund	2014
STATE AID, FEDERAL AID, & LOCAL AID FUNDS USED IN 2014 FOR RECONSTRUCTION OF WATERMAIN, WATER SERVICES, SANITARY SEWER, SANITARY SEWER SERVICES, STORM SEWER, AGGREGATE BASE, CONCRETER CURB & GUTTER, CONCRETE SIDEWALKS, CAST IN PLACE CONCRETE RETAINING WALL, BITUMINOUS PAVEMENT, ELECTRICAL LIGHTING SYSTEM; SP 156-127-003; STPM 2514(175); BID LETTING ON 5-12-14	Comments	STATE AID, FEDERAL AID, & LOCAL AID FUNDS USED IN 2014 FOR RECONSTRUCTION OF WATERMAIN, WATER SERVICES, SANITARY SEWER, SANITARY SEWER SERVICES, STORM SEWER, AGGREGATE BASE, CONCRETER CURB & GUTTER, CONCRETE SIDEWALKS, CAST IN PLACE CONCRETE RETAINING WALL, BITUMINOUS PAVEMENT, ELECTRICAL LIGHTING SYSTEM; SP 156-127-003; STPM 2514(175); BID LETTING ON 5-12-14

Chip sealed/fog sealed in 2018 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.59 * 19628 * 14.18	\$164,212
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.59 * 4773 * 65	\$183,045
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.59 * 25188 * 9.36	\$139,098
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.59 * 184000	\$108,560
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.59 * 5.66 * 5280 * 10	\$176,320
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.59 * 100000	\$59,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.59 * 16.36 * 5280 * 2	\$101,929
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	932164 * 0.220	\$205,076
Total				\$1,137,240

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-127-020

Original		Current
WEST AVENUE	Street Name	WEST AVENUE
MAPLE STREET TO WILKIE STREET	Termini	MAPLE STREET TO WILKIE STREET
0.12	Length	0.12
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
4050	Present AADT	4050
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
STATE AID FUNDS USED IN 1990 WERE FOR SIDEWALKS AND RETAINING WALLS, NOT ROAD GRADING OR SURFACING. BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-127-02 (MAPLE STREET TO WILKIE STREET), BID LETTING ON 7-6-09.	Comments	STATE AID FUNDS USED IN 1990 WERE FOR SIDEWALKS AND RETAINING WALLS, NOT ROAD GRADING OR SURFACING. BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-127-02 (MAPLE STREET TO WILKIE STREET), BID LETTING ON 7-6-09.
Curb extensions at Sunnyside School driveway constructed in 2017 with federal Safe Routes to School funding.		Curb extensions at Sunnyside School driveway constructed in 2017 with federal Safe Routes to School funding.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.12 * 19628 * 14.18	\$33,399
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.12 * 4773 * 65	\$37,229
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.12 * 25188 * 9.36	\$28,291
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.12 * 184000	\$22,080
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.12 * 5.66 * 5280 * 10	\$35,862
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.12 * 100000	\$12,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.12 * 16.36 * 5280 * 2	\$20,731
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	189592 * 0.220	\$41,710
Total				\$231,302

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-127-030

Original		Current
TWIN BLUFF ROAD	Street Name	TWIN BLUFF ROAD
WILLKIE STREET TO PIONEER ROAD	Termini	WILLKIE STREET TO PIONEER ROAD
0.63	Length	0.63
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
4050	Present AADT	4050
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
STATE AID FUNDS USED IN 1990 WERE FOR SIDEWALKS AND RETAINING WALLS, NOT ROAD GRADING OR SURFACING. BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-127-02, BID LETTING ON 7-6-09.	Comments	STATE AID FUNDS USED IN 1990 WERE FOR SIDEWALKS AND RETAINING WALLS, NOT ROAD GRADING OR SURFACING. BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-127-02, BID LETTING ON 7-6-09.
Roundabout constructed at Pioneer Road intersection in 2017 as part of federally-funded and locally-funded Safe Routes to School project (no State Aid funds used).		Roundabout constructed at Pioneer Road intersection in 2017 as part of federally-funded and locally-funded Safe Routes to School project (no State Aid funds used).
This segment of MSAS 127 was shortened by 0.03 miles due to the construction of the roundabout at the Pioneer Road intersection.		This segment of MSAS 127 was shortened by 0.03 miles due to the construction of the roundabout at the Pioneer Road intersection.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.63 * 19628 * 14.18	\$175,345
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.63 * 4773 * 65	\$195,454
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.63 * 25188 * 9.36	\$148,529
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.63 * 184000	\$115,920
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.63 * 5.66 * 5280 * 10	\$188,274
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.63 * 100000	\$63,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.63 * 16.36 * 5280 * 2	\$108,840
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	995362 * 0.220	\$218,980
Total				\$1,214,342

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-128-010

Original		Current
FEATHERSTONE ROAD	Street Name	FEATHERSTONE ROAD
BENCH ST (CSAH 1) TO BRIDGE NO. 25547	Termini	BENCH ST (CSAH 1) TO BRIDGE NO. 25547
0.26	Length	0.26
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3300	Present AADT	3300
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2001	Year of Latest SA Fund	2001
SURFACED UNDER SAP 156-128-07, LET 8-22-01. APS	Comments	SURFACED UNDER SAP 156-128-07, LET 8-22-01. APS
Bridge approach panels replaced in 2017 (local funds only).		Bridge approach panels replaced in 2017 (local funds only).
Segment Override		

Bridge Information

Status: Original

Original		Current
25547	Structure Number	25547
0.35	Milepoint	0.35
OVER HAY CREEK	Feature Crossed	OVER HAY CREEK
157	Structure Length	157
1987	Year Built	1987
	Comments	
BRIDGE	Bridge Type	BRIDGE
4 (2000 - 4999)	Bridge Group	4 (2000 - 4999)

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.26 * 19628 * 14.18	\$72,365
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.26 * 4773 * 65	\$80,664
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.26 * 25188 * 9.36	\$61,298
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.26 * 184000	\$47,840
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.26 * 5.66 * 5280 * 10	\$77,700
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.26 * 100000	\$26,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.26 * 16.36 * 5280 * 2	\$44,918
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Bridge	MSAS Bridge TGC Group 4	BridgeLength * NeedsWidth * UnitCost	157 * 40 * 95.2	\$597,856
Engineering Cost		Percent of costs	1008641 * 0.220	\$221,901
Total				\$1,230,542

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-128-015

Original

Current

FEATHERSTONE ROAD	Street Name	FEATHERSTONE ROAD
FROM BRIDGE NO. 25547 TO TILE DRIVE	Termini	FROM BRIDGE NO. 25547 TO TILE DRIVE
0.34	Length	0.34
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
5200	Present AADT	5200
5 (5000 - 8999)	Traffic Group Code	5 (5000 - 8999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-128-08 (HAY CREEK VALLEY ROAD TO TILE DRIVE), BID LETTING ON 7-6-09.	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-128-08 (HAY CREEK VALLEY ROAD TO TILE DRIVE), BID LETTING ON 7-6-09.
Bridge approach panels reconstructed in 2017 (local funds only).		Bridge approach panels reconstructed in 2017 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 5	Length * Quantity * UnitCost	0.34 * 27907 * 14.18	\$134,545
Bituminous	MSAS Bituminous Cost Group 5	Length * Quantity * UnitCost	0.34 * 5834 * 65	\$128,931
Excavation	MSAS Excavation Cost Group 5	Length * Quantity * UnitCost	0.34 * 32795 * 9.36	\$104,367
Storm Sewer	MSAS Storm Sewer Cost Group 5	Length * UnitCost	0.34 * 196400	\$66,776
Sidewalk	MSAS Sidewalk Cost Group 5	Length * UnitCost * FeetPerMile * SidewalkWidth	0.34 * 5.66 * 5280 * 10	\$101,608
Street Lighting	MSAS Street Lighting Cost Group 5	Length * UnitCost	0.34 * 100000	\$34,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 5	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.34 * 16.36 * 5280 * 2	\$58,739
Signal Leg	MSAS Traffic Signals Cost Group 5	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	628966 * 0.220	\$138,373
Total				\$767,339

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-128-020

Original		Current
FEATHERSTONE ROAD	Street Name	FEATHERSTONE ROAD
TILE DRIVE TO 7TH STREET	Termini	TILE DRIVE TO 7TH STREET
0.37	Length	0.37
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
5200	Present AADT	5200
5 (5000 - 8999)	Traffic Group Code	5 (5000 - 8999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-128-08, BID LETTING ON 7-6-09.	Comments	BITUMINOUS SURFACE MILLED & OVERLAYED IN 2009 WITH STATE AID FUNDS, MSAP 156-128-08, BID LETTING ON 7-6-09.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 5	Length * Quantity * UnitCost	0.37 * 27907 * 14.18	\$146,417
Bituminous	MSAS Bituminous Cost Group 5	Length * Quantity * UnitCost	0.37 * 5834 * 65	\$140,308
Excavation	MSAS Excavation Cost Group 5	Length * Quantity * UnitCost	0.37 * 32795 * 9.36	\$113,576
Storm Sewer	MSAS Storm Sewer Cost Group 5	Length * UnitCost	0.37 * 196400	\$72,668
Sidewalk	MSAS Sidewalk Cost Group 5	Length * UnitCost * FeetPerMile * SidewalkWidth	0.37 * 5.66 * 5280 * 10	\$110,574
Street Lighting	MSAS Street Lighting Cost Group 5	Length * UnitCost	0.37 * 100000	\$37,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 5	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.37 * 16.36 * 5280 * 2	\$63,922
Signal Leg	MSAS Traffic Signals Cost Group 5	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	684465 * 0.220	\$150,582
Total				\$835,047

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-128-030

Original

Current

**FEATHERSTONE ROAD
7TH STREET TO 6TH &
BUCHANAN STREET
INTERSECTION**

**Street Name
Termini**

**FEATHERSTONE ROAD
7TH STREET TO 6TH &
BUCHANAN STREET
INTERSECTION**

0.08

Length

0.08

Improved

Existing Roadway Type

Improved

Undivided

Existing Lane Description

Undivided

0

Existing Number of Signal Legs

0

4650

Present AADT

4650

4 (2000 - 4999)

Traffic Group Code

4 (2000 - 4999)

2015

Year of AADT Count

2015

N

Common Boundary Designation

N

N

Turnback Mileage

N

N

Outside City Limit

N

2009

Year of Latest SA Fund

2009

**BITUMINOUS SURFACE MILLED &
OVERLAYED IN 2009 WITH STATE
AID FUNDS, MSAP 156-128-08 (6TH
STREET WEST TO 7TH STREET
WEST), BID LETTING ON 7-6-09.**

Comments

**BITUMINOUS SURFACE MILLED &
OVERLAYED IN 2009 WITH STATE
AID FUNDS, MSAP 156-128-08 (6TH
STREET WEST TO 7TH STREET
WEST), BID LETTING ON 7-6-09.**

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.08 * 19628 * 14.18	\$22,266
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.08 * 4773 * 65	\$24,820
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.08 * 25188 * 9.36	\$18,861
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.08 * 184000	\$14,720
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.08 * 5.66 * 5280 * 10	\$23,908
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.08 * 100000	\$8,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.08 * 16.36 * 5280 * 2	\$13,821
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	126396 * 0.220	\$27,807
Total				\$154,203

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING**

Segment Nbr : 156-128-040

Original

Current

BUCHANAN STREET	Street Name	BUCHANAN STREET
6TH STREET TO 4TH STREET	Termini	6TH STREET TO 4TH STREET
0.12	Length	0.12
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
4650	Present AADT	4650
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
Mill and overlay in 2017 (local funds only).	Comments	Mill and overlay in 2017 (local funds only).
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.12 * 19628 * 14.18	\$33,399
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.12 * 4773 * 65	\$37,229
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.12 * 25188 * 9.36	\$28,291
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.12 * 184000	\$22,080
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.12 * 5.66 * 5280 * 10	\$35,862
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.12 * 100000	\$12,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.12 * 16.36 * 5280 * 2	\$20,731
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	189592 * 0.220	\$41,710
Total				\$231,302

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-128-050

Original		Current
4TH STREET WEST	Street Name	4TH STREET WEST
BUCHANAN STREET TO CEDAR STREET	Termini	BUCHANAN STREET TO CEDAR STREET
0.36	Length	0.36
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
4650	Present AADT	4650
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
REPLACE SECTIONS OF EXISTING RETAINING WALLS.	Comments	REPLACE SECTIONS OF EXISTING RETAINING WALLS.
Mill and overlay in 2017 (local funds only).		Mill and overlay in 2017 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.36 * 19628 * 14.18	\$100,197
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.36 * 4773 * 65	\$111,688
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.36 * 25188 * 9.36	\$84,873
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.36 * 184000	\$66,240
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.36 * 5.66 * 5280 * 10	\$107,585
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.36 * 100000	\$36,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.36 * 16.36 * 5280 * 2	\$62,194
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	568777 * 0.220	\$125,131
Total				\$693,908

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-131-010

Original		Current
HAY CREEK VALLEY ROAD	Street Name	HAY CREEK VALLEY ROAD
PIONEER ROAD TO 0.30 MILE NE'LY	Termini	PIONEER ROAD TO 0.30 MILE NE'LY
0.3	Length	0.3
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3050	Present AADT	3050
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2011	Year of AADT Count	2011
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2009	Year of Latest SA Fund	2009
THIS ROAD SEGMENT OF THE 2009 STATE AID OVERLAY CONTRACT, MSAP 156-131-02, COMPLETED IN 2010. PROJECT AWARDED IN 2009	Comments	THIS ROAD SEGMENT OF THE 2009 STATE AID OVERLAY CONTRACT, MSAP 156-131-02, COMPLETED IN 2010. PROJECT AWARDED IN 2009

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.3 * 19628 * 14.18	\$83,498
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.3 * 4773 * 65	\$93,074
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.3 * 25188 * 9.36	\$70,728
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.3 * 184000	\$55,200
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.3 * 5.66 * 5280 * 10	\$89,654
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.3 * 100000	\$30,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.3 * 16.36 * 5280 * 2	\$51,828
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	473982 * 0.220	\$104,276
Total				\$578,258

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-131-020

Original

Current

HAY CREEK VALLEY ROAD
0.30 MI N OF PIONEER RD TO
FEATHERSTONE RD

Street Name

HAY CREEK VALLEY ROAD

Termini

0.30 MI N OF PIONEER RD TO
FEATHERSTONE RD

0.42

Length

0.42

Improved

Existing Roadway Type

Improved

Undivided

Existing Lane Description

Undivided

0

Existing Number of Signal Legs

0

3050

Present AADT

3050

4 (2000 - 4999)

Traffic Group Code

4 (2000 - 4999)

2011

Year of AADT Count

2011

N

Common Boundary Designation

N

N

Turnback Mileage

N

N

Outside City Limit

N

2009

Year of Latest SA Fund

2009

THIS ROAD SEGMENT OF THE
2009 STATE AID OVERLAY
CONTRACT, MSAP 156-131-02,
COMPLETED IN 2010.
PROJECT AWARDED IN 2009

Comments

THIS ROAD SEGMENT OF THE
2009 STATE AID OVERLAY
CONTRACT, MSAP 156-131-02,
COMPLETED IN 2010.
PROJECT AWARDED IN 2009

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.42 * 19628 * 14.18	\$116,897
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.42 * 4773 * 65	\$130,303
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.42 * 25188 * 9.36	\$99,019
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.42 * 184000	\$77,280
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.42 * 5.66 * 5280 * 10	\$125,516
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.42 * 100000	\$42,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.42 * 16.36 * 5280 * 2	\$72,560
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	663575 * 0.220	\$145,987
Total				\$809,562

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : RED WING

Segment Nbr : 156-132-004

Original

Current

NORTH SERVICE DRIVE	Street Name	NORTH SERVICE DRIVE
SPRING CREEK AVENUE NORTH TO 120 FT EAST OF SARGENT DRIVE	Termini	SPRING CREEK AVENUE NORTH TO 120 FT EAST OF SARGENT DRIVE
0.2	Length	0.2
Non-Existing	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
0	Present AADT	1
1 (0 - 0)	Traffic Group Code	2 (1 - 499)
	Year of AADT Count	
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	2018
MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.
This segment scheduled to be constructed in 2018.		This segment scheduled was constructed in 2018 (SAP 156-132-004).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 2	Length * Quantity * UnitCost	0.2 * 4691 * 14.18	\$13,304
Bituminous	MSAS Bituminous Cost Group 2	Length * Quantity * UnitCost	0.2 * 3182 * 65	\$41,366
Excavation	MSAS Excavation Cost Group 2	Length * Quantity * UnitCost	0.2 * 12496 * 9.36	\$23,393
Storm Sewer	MSAS Storm Sewer Cost Group 2	Length * UnitCost	0.2 * 165500	\$33,100
Sidewalk	MSAS Sidewalk Cost Group 2	Length * UnitCost * FeetPerMile * SidewalkWidth	0.2 * 5.66 * 5280 * 5	\$29,885
Street Lighting	MSAS Street Lighting Cost Group 2	Length * UnitCost	0.2 * 100000	\$20,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 2	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.2 * 16.36 * 5280 * 2	\$34,552
Signal Leg	MSAS Traffic Signals Cost Group 2	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	195600 * 0.220	\$43,032
Total				\$238,632

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

RED WING

Segment Nbr : 156-132-007

Original

Current

NORTH SERVICE DRIVE
FROM 120 FEET EAST OF
SARGENT DRIVE TO TYLER ROAD
NORTH
0.24
Improved
Undivided
0
2100
4 (2000 - 4999)
2015
N
N
N

Street Name
Termini
Length
Existing Roadway Type
Existing Lane Description
Existing Number of Signal Legs
Present AADT
Traffic Group Code
Year of AADT Count
Common Boundary Designation
Turnback Mileage
Outside City Limit
Year of Latest SA Fund

NORTH SERVICE DRIVE
FROM 120 FEET EAST OF
SARGENT DRIVE TO TYLER ROAD
NORTH
0.24
Improved
Undivided
0
2100
4 (2000 - 4999)
2015
N
N
N
2018

MSAS DESIGNATION AS PER
COMMISSIONERS ORDER NO.
94350 ON JUNE 6, 2014.

Comments

MSAS DESIGNATION AS PER
COMMISSIONERS ORDER NO.
94350 ON JUNE 6, 2014.

This segment scheduled to be
reconstructed between west end
and the mall driveway in 2018.

This segment was reconstructed
between west end and the mall
driveway in 2018 (SAP 156-132-
004).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.24 * 19628 * 14.18	\$66,798
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.24 * 4773 * 65	\$74,459
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.24 * 25188 * 9.36	\$56,582
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.24 * 184000	\$44,160
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.24 * 5.66 * 5280 * 10	\$71,724
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.24 * 100000	\$24,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.24 * 16.36 * 5280 * 2	\$41,463
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	379186 * 0.220	\$83,421
Total				\$462,607

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-132-010

Original		Current
NORTH SERVICE DRIVE	Street Name	NORTH SERVICE DRIVE
TYLER ROAD NORTH TO .11 MILES ELY OF TYLER ROAD NORTH	Termini	TYLER ROAD NORTH TO .11 MILES ELY OF TYLER ROAD NORTH
0.11	Length	0.11
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
4700	Present AADT	4700
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2011	Year of AADT Count	2011
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.11 * 19628 * 14.18	\$30,616
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.11 * 4773 * 65	\$34,127
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.11 * 25188 * 9.36	\$25,934
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.11 * 184000	\$20,240
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.11 * 5.66 * 5280 * 10	\$32,873
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.11 * 100000	\$11,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.11 * 16.36 * 5280 * 2	\$19,004
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	173794 * 0.220	\$38,235
Total				\$212,029

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-132-020

Original

Current

NORTH SERVICE DRIVE
 0.11 MI. ELY OF TYLER RD N TO
 0.41MI. ELY OF TYLER RD N
 0.3
 Improved
 Undivided
 0
 4700
 4 (2000 - 4999)
 2011
 N
 N
 N

Street Name
 Termini
 Length
 Existing Roadway Type
 Existing Lane Description
 Existing Number of Signal Legs
 Present AADT
 Traffic Group Code
 Year of AADT Count
 Common Boundary Designation
 Turnback Mileage
 Outside City Limit
 Year of Latest SA Fund

NORTH SERVICE DRIVE
 0.11 MI. ELY OF TYLER RD N TO
 0.41MI. ELY OF TYLER RD N
 0.3
 Improved
 Undivided
 0
 4700
 4 (2000 - 4999)
 2011
 N
 N
 N

SEGMENT 156-132-020 LENGTH
 REDUCED IN 2010 FROM 0.37
 MILES TO 0.30 MILES IN ORDER
 TO CREATE NEW SEGMENT 156-
 132-025. MSAS DESIGNATION AS
 PER COMMISSIONERS ORDER NO.
 94350 ON JUNE 6, 2014.

Comments

SEGMENT 156-132-020 LENGTH
 REDUCED IN 2010 FROM 0.37
 MILES TO 0.30 MILES IN ORDER
 TO CREATE NEW SEGMENT 156-
 132-025. MSAS DESIGNATION AS
 PER COMMISSIONERS ORDER NO.
 94350 ON JUNE 6, 2014.

Mill and overlay in 2017 (local
 funds only).

Mill and overlay in 2017 (local
 funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.3 * 19628 * 14.18	\$83,498
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.3 * 4773 * 65	\$93,074
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.3 * 25188 * 9.36	\$70,728
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.3 * 184000	\$55,200
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.3 * 5.66 * 5280 * 10	\$89,654
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.3 * 100000	\$30,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.3 * 16.36 * 5280 * 2	\$51,828
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	473982 * 0.220	\$104,276
Total				\$578,258

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-132-025

Original		Current
NORTH SEVICE DRIVE	Street Name	NORTH SEVICE DRIVE
0.41 MI. ELY OF TYLER RD N TO 0.62 MI. ELY OF TYLER RD N	Termini	0.41 MI. ELY OF TYLER RD N TO 0.62 MI. ELY OF TYLER RD N
0.21	Length	0.21
Non-Existing	Existing Roadway Type	Non-Existing
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
0	Present AADT	0
1 (0 - 0)	Traffic Group Code	1 (0 - 0)
	Year of AADT Count	
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
THIS SEGMENT OF NORTH SERVICE DRIVE (156-132-025) IS A NON-EXISTING ROADWAY. THIS IS A STEP TOWARD COMPLYING WITH THE 2004 MNDOT ACCESS MANAGEMENT PLAN. THIS SEGMENT WAS CREATED IN THE NEEDS IN 2010. MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	THIS SEGMENT OF NORTH SERVICE DRIVE (156-132-025) IS A NON-EXISTING ROADWAY. THIS IS A STEP TOWARD COMPLYING WITH THE 2004 MNDOT ACCESS MANAGEMENT PLAN. THIS SEGMENT WAS CREATED IN THE NEEDS IN 2010. MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 1	Length * Quantity * UnitCost	0.21 * 4346 * 14.18	\$12,942
Bituminous	MSAS Bituminous Cost Group 1	Length * Quantity * UnitCost	0.21 * 2917 * 65	\$39,817
Excavation	MSAS Excavation Cost Group 1	Length * Quantity * UnitCost	0.21 * 11655 * 9.36	\$22,909
Storm Sewer	MSAS Storm Sewer Cost Group 1	Length * UnitCost	0.21 * 162400	\$34,104
Sidewalk	MSAS Sidewalk Cost Group 1	Length * UnitCost * FeetPerMile * SidewalkWidth	0.21 * 5.66 * 5280 * 5	\$31,379
Street Lighting	MSAS Street Lighting Cost Group 1	Length * UnitCost	0.21 * 100000	\$21,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 1	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.21 * 16.36 * 5280 * 2	\$36,280
Signal Leg	MSAS Traffic Signals Cost Group 1	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	198431 * 0.220	\$43,655
Total				\$242,086

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-132-030

Original		Current
NORTH SERVICE DRIVE	Street Name	NORTH SERVICE DRIVE
0.62 MI ELY OF TYLER RD N TO OLD W MAIN ST	Termini	0.62 MI ELY OF TYLER RD N TO OLD W MAIN ST
0.22	Length	0.22
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
4700	Present AADT	4700
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2011	Year of AADT Count	2011
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2003	Year of Latest SA Fund	2003
NEW DESIGNATION IN 2005 OVERLAYED WITH BITUMINOUS IN 2003 USING LOCAL, STATE AID, AND FEDERAL FUNDS. (SP156-132-02 OVERLAY, LET 5-6-03 (APS). SEGMENT 156-132-030 LENGTH REDUCED IN 2010 FROM 0.30 MILES TO 0.22 MILES IN ORDER TO CREATE NEW SEGMENT 156-132-025. MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	NEW DESIGNATION IN 2005 OVERLAYED WITH BITUMINOUS IN 2003 USING LOCAL, STATE AID, AND FEDERAL FUNDS. (SP156-132-02 OVERLAY, LET 5-6-03 (APS). SEGMENT 156-132-030 LENGTH REDUCED IN 2010 FROM 0.30 MILES TO 0.22 MILES IN ORDER TO CREATE NEW SEGMENT 156-132-025. MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.
Mill and overlay in 2017 (local funds only).		Mill and overlay in 2017 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.22 * 19628 * 14.18	\$61,232
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.22 * 4773 * 65	\$68,254
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.22 * 25188 * 9.36	\$51,867
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.22 * 184000	\$40,480
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.22 * 5.66 * 5280 * 10	\$65,747
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.22 * 100000	\$22,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.22 * 16.36 * 5280 * 2	\$38,008
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	347588 * 0.220	\$76,469
Total				\$424,057

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-132-040

Original		Current
OLD WEST MAIN STREET	Street Name	OLD WEST MAIN STREET
NORTH SERVICE DRIVE TO WITHERS HARBOR DRIVE	Termini	NORTH SERVICE DRIVE TO WITHERS HARBOR DRIVE
0.41	Length	0.41
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
4700	Present AADT	4700
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2011	Year of AADT Count	2011
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2003	Year of Latest SA Fund	2003
OVERLAYED WITH BITUMINOUS IN 2003 USING LOCAL, STATE AID, AND FEDERAL FUNDS. {SP 156-132-02 OVERLAY, LET 5-6-03 (APS)}.	Comments	OVERLAYED WITH BITUMINOUS IN 2003 USING LOCAL, STATE AID, AND FEDERAL FUNDS. {SP 156-132-02 OVERLAY, LET 5-6-03 (APS)}.
Mill and overlay in 2017 (local funds only).		Mill and overlay in 2017 (local funds only).

Segment Override

Bridge Information

Status: Original

Original		Current
025546	Structure Number	025546
0.31	Milepoint	0.31
HAY CREEK	Feature Crossed	HAY CREEK
115	Structure Length	115
1984	Year Built	1984
	Comments	
BRIDGE	Bridge Type	BRIDGE
4 (2000 - 4999)	Bridge Group	4 (2000 - 4999)

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.41 * 19628 * 14.18	\$114,113
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.41 * 4773 * 65	\$127,200
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.41 * 25188 * 9.36	\$96,661
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.41 * 184000	\$75,440
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.41 * 5.66 * 5280 * 10	\$122,528
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.41 * 100000	\$41,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.41 * 16.36 * 5280 * 2	\$70,832
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Bridge	MSAS Bridge TGC Group 4	BridgeLength * NeedsWidth * UnitCost	115 * 40 * 95.2	\$437,920
Engineering Cost		Percent of costs	1085694 * 0.220	\$238,853

Total				\$1,324,547
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SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-132-050

Original		Current
OLD WEST MAIN STREET	Street Name	OLD WEST MAIN STREET
WITHERS HARBOR DRIVE TO JACKSON STREET	Termini	WITHERS HARBOR DRIVE TO JACKSON STREET
0.77	Length	0.77
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3100	Present AADT	3100
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.77 * 19628 * 14.18	\$214,310
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.77 * 4773 * 65	\$238,889
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.77 * 25188 * 9.36	\$181,535
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.77 * 184000	\$141,680
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.77 * 5.66 * 5280 * 10	\$230,113
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.77 * 100000	\$77,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.77 * 16.36 * 5280 * 2	\$133,026
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	1216553 * 0.220	\$267,642
Total				\$1,484,195

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-132-060

Original

Current

OLD WEST MAIN STREET

Street Name

OLD WEST MAIN STREET

JACKSON ST TO 200' E

Termini

JACKSON ST TO 200' E

0.04

Length

0.04

Improved

Existing Roadway Type

Improved

Undivided

Existing Lane Description

Undivided

0

Existing Number of Signal Legs

0

4150

Present AADT

4150

4 (2000 - 4999)

Traffic Group Code

4 (2000 - 4999)

2015

Year of AADT Count

2015

N

Common Boundary Designation

N

N

Turnback Mileage

N

N

Outside City Limit

N

Year of Latest SA Fund

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Comments

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.04 * 19628 * 14.18	\$11,133
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.04 * 4773 * 65	\$12,410
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.04 * 25188 * 9.36	\$9,430
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.04 * 184000	\$7,360
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.04 * 5.66 * 5280 * 10	\$11,954
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.04 * 100000	\$4,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.04 * 16.36 * 5280 * 2	\$6,910
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	63197 * 0.220	\$13,903
Total				\$77,100

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-132-070

Original		Current
OLD WEST MAIN STREET	Street Name	OLD WEST MAIN STREET
200' E OF JACKSON ST TO NB TH 61	Termini	200' E OF JACKSON ST TO NB TH 61
0.05	Length	0.05
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
4150	Present AADT	4150
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2015	Year of Latest SA Fund	2015
RECONSTRUCTION OF SEGMENT AND SIGNAL IN 2015 WITH TH 61 RECONSTRUCTION PROJECT; MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	RECONSTRUCTION OF SEGMENT AND SIGNAL IN 2015 WITH TH 61 RECONSTRUCTION PROJECT; MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.05 * 19628 * 14.18	\$13,916
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.05 * 4773 * 65	\$15,512
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.05 * 25188 * 9.36	\$11,788
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.05 * 184000	\$9,200
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.05 * 5.66 * 5280 * 10	\$14,942
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.05 * 100000	\$5,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.05 * 16.36 * 5280 * 2	\$8,638
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	130921 * 0.220	\$28,803
Total				\$159,724

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING**

Segment Nbr : 156-133-010

Original		Current
EAGLE RIDGE DRIVE	Street Name	EAGLE RIDGE DRIVE
FROM CSAH NO. 21 TO GOODHUE ST SOUTH	Termini	FROM CSAH NO. 21 TO GOODHUE ST SOUTH
0.08	Length	0.08
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1850	Present AADT	1850
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1995	Year of Latest SA Fund	1995
CSAH 21 intersection proposed to be reconstructed with Goodhue County project in 2018.	Comments	CSAH 21 intersection proposed to be reconstructed with Goodhue County project in 2018.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.08 * 10176 * 14.18	\$11,544
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.08 * 3978 * 65	\$20,686
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.08 * 17698 * 9.36	\$13,252
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.08 * 174800	\$13,984
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.08 * 5.66 * 5280 * 10	\$23,908
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.08 * 100000	\$8,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.08 * 16.36 * 5280 * 2	\$13,821
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	105195 * 0.220	\$23,143
Total				\$128,338

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-133-020

Original		Current
GOODHUE STREET SOUTH	Street Name	GOODHUE STREET SOUTH
FROM EAGLE RIDGE DRIVE TO GUERNSEY LANE	Termini	FROM EAGLE RIDGE DRIVE TO GUERNSEY LANE
0.24	Length	0.24
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1850	Present AADT	1850
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1995	Year of Latest SA Fund	1995
	Comments	
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.24 * 10176 * 14.18	\$34,631
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.24 * 3978 * 65	\$62,057
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.24 * 17698 * 9.36	\$39,757
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.24 * 174800	\$41,952
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.24 * 5.66 * 5280 * 10	\$71,724
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.24 * 100000	\$24,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.24 * 16.36 * 5280 * 2	\$41,463
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	315584 * 0.220	\$69,428
Total				\$385,012

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-133-030

Original		Current
GUERNSEY LANE	Street Name	GUERNSEY LANE
FROM GOODHUE ST SOUTH TO T.H. NO. 58	Termini	FROM GOODHUE ST SOUTH TO T.H. NO. 58
0.15	Length	0.15
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1850	Present AADT	1850
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1995	Year of Latest SA Fund	1995
	Comments	
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.15 * 10176 * 14.18	\$21,644
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.15 * 3978 * 65	\$38,786
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.15 * 17698 * 9.36	\$24,848
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.15 * 174800	\$26,220
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.15 * 5.66 * 5280 * 10	\$44,827
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.15 * 100000	\$15,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.15 * 16.36 * 5280 * 2	\$25,914
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	197239 * 0.220	\$43,393
Total				\$240,632

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : **RED WING**

Segment Nbr : 156-135-010

Original

Current

TILE DRIVE	Street Name	TILE DRIVE
FROM FEATHERSTONE ROAD TO 1200' NLY	Termini	FROM FEATHERSTONE ROAD TO 1200' NLY
0.23	Length	0.23
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
4000	Present AADT	4000
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N

NEW DESIGNATION IN 2005

Comments

NEW DESIGNATION IN 2005

Mill and overlay scheduled for 2018.

Mill and overlay in 2018 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.23 * 19628 * 14.18	\$64,015
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.23 * 4773 * 65	\$71,356
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.23 * 25188 * 9.36	\$54,225
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.23 * 184000	\$42,320
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.23 * 5.66 * 5280 * 10	\$68,735
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.23 * 100000	\$23,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.23 * 16.36 * 5280 * 2	\$39,735
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	363386 * 0.220	\$79,945
Total				\$443,331

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : RED WING

Segment Nbr : 156-135-020

Original

Current

TILE DRIVE	Street Name	TILE DRIVE
1200' NORTH OF FEATHERSTONE ROAD TO WITHERS HARBOR DRIVE	Termini	1200' NORTH OF FEATHERSTONE ROAD TO WITHERS HARBOR DRIVE
0.3	Length	0.3
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
4000	Present AADT	4000
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
NEW DESIGNATION IN 2005	Comments	NEW DESIGNATION IN 2005
Mill and overlay scheduled for 2018.		Mill and overlay in 2018 (local funds only).
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.3 * 19628 * 14.18	\$83,498
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.3 * 4773 * 65	\$93,074
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.3 * 25188 * 9.36	\$70,728
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.3 * 184000	\$55,200
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.3 * 5.66 * 5280 * 10	\$89,654
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.3 * 100000	\$30,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.3 * 16.36 * 5280 * 2	\$51,828
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	473982 * 0.220	\$104,276
Total				\$578,258

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-136-010

Original		Current
CROSSOVER ROAD (AT MCDONALDS)	Street Name	CROSSOVER ROAD (AT MCDONALDS)
TH61 TO NORTH SERVICE DRIVE (NON-EXISTING)	Termini	TH61 TO NORTH SERVICE DRIVE (NON-EXISTING)
0.05	Length	0.05
Non-Existing	Existing Roadway Type	Non-Existing
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
0	Present AADT	0
1 (0 - 0)	Traffic Group Code	1 (0 - 0)
	Year of AADT Count	
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
CROSSOVER ROAD (AT MCDONALDS) IS A NON-EXISTING ROADWAY. THIS IS A STEP TOWARD COMPLYING WITH THE 2004 MNDOT ACCESS MANAGEMENT PLAN. SEGMENT 156-136-010 WAS CREATED FOR NEEDS REPORTING IN 2010.	Comments	CROSSOVER ROAD (AT MCDONALDS) IS A NON-EXISTING ROADWAY. THIS IS A STEP TOWARD COMPLYING WITH THE 2004 MNDOT ACCESS MANAGEMENT PLAN. SEGMENT 156-136-010 WAS CREATED FOR NEEDS REPORTING IN 2010.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 1	Length * Quantity * UnitCost	0.05 * 4346 * 14.18	\$3,081
Bituminous	MSAS Bituminous Cost Group 1	Length * Quantity * UnitCost	0.05 * 2917 * 65	\$9,480
Excavation	MSAS Excavation Cost Group 1	Length * Quantity * UnitCost	0.05 * 11655 * 9.36	\$5,455
Storm Sewer	MSAS Storm Sewer Cost Group 1	Length * UnitCost	0.05 * 162400	\$8,120
Sidewalk	MSAS Sidewalk Cost Group 1	Length * UnitCost * FeetPerMile * SidewalkWidth	0.05 * 5.66 * 5280 * 5	\$7,471
Street Lighting	MSAS Street Lighting Cost Group 1	Length * UnitCost	0.05 * 100000	\$5,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 1	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.05 * 16.36 * 5280 * 2	\$8,638
Signal Leg	MSAS Traffic Signals Cost Group 1	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	47245 * 0.220	\$10,394
Total				\$57,639

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

RED WING

Segment Nbr : 156-137-010

Original

Current

3RD STREET WEST	Street Name	3RD STREET WEST
DAKOTA STREET TO PLUM STREET	Termini	DAKOTA STREET TO PLUM STREET
0.28	Length	0.28
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3500	Present AADT	3500
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.
Bush Street intersection and 3rd Street midblock pedestrian crossing (between East Avenue and Bush Street) to be reconstructed in 2018 (local funds only).		Bush Street intersection and 3rd Street midblock pedestrian crossing (between East Avenue and Bush Street) was reconstructed in 2018 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.28 * 19628 * 14.18	\$77,931
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.28 * 4773 * 65	\$86,869
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.28 * 25188 * 9.36	\$66,013
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.28 * 184000	\$51,520
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.28 * 5.66 * 5280 * 10	\$83,677
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.28 * 100000	\$28,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.28 * 16.36 * 5280 * 2	\$48,373
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	442383 * 0.220	\$97,324
Total				\$539,707

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **RED WING** Segment Nbr : 156-138-010

Original		Current
WEST MAPLE AVENUE/SPRUCE DRIVE	Street Name	WEST MAPLE AVENUE/SPRUCE DRIVE
FEATHERSTONE ROAD TO TWIN BLUFF ROAD	Termini	FEATHERSTONE ROAD TO TWIN BLUFF ROAD
1.15	Length	1.15
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1150	Present AADT	1150
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014..	Comments	MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014..
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	1.15 * 10176 * 14.18	\$165,940
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	1.15 * 3978 * 65	\$297,356
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	1.15 * 17698 * 9.36	\$190,501
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	1.15 * 174800	\$201,020
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	1.15 * 5.66 * 5280 * 10	\$343,675
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	1.15 * 100000	\$115,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	1.15 * 16.36 * 5280 * 2	\$198,676
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	1512168 * 0.220	\$332,677
Total				\$1,844,845

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

RED WING

Segment Nbr : 156-139-010

Original

Current

BURTON STREET	Street Name	BURTON STREET
TWIN BLUFF ROAD TO BURTON FORK	Termini	TWIN BLUFF ROAD TO BURTON FORK
0.18	Length	0.18
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1600	Present AADT	1600
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Comments

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.18 * 10176 * 14.18	\$25,973
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.18 * 3978 * 65	\$46,543
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.18 * 17698 * 9.36	\$29,818
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.18 * 174800	\$31,464
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.18 * 5.66 * 5280 * 10	\$53,793
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.18 * 100000	\$18,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.18 * 16.36 * 5280 * 2	\$31,097
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	236688 * 0.220	\$52,071
Total				\$288,759

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-140-010

Original		Current
BURTON FORK	Street Name	BURTON FORK
PIONEER ROAD TO BURTON STREET	Termini	PIONEER ROAD TO BURTON STREET
0.04	Length	0.04
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1600	Present AADT	1600
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.04 * 10176 * 14.18	\$5,772
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.04 * 3978 * 65	\$10,343
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.04 * 17698 * 9.36	\$6,626
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.04 * 174800	\$6,992
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.04 * 5.66 * 5280 * 10	\$11,954
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.04 * 100000	\$4,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.04 * 16.36 * 5280 * 2	\$6,910
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	52597 * 0.220	\$11,571
Total				\$64,168

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-141-010

Original		Current
PERLICH AVENUE	Street Name	PERLICH AVENUE
PIONEER ROAD TO NEAL STREET	Termini	PIONEER ROAD TO NEAL STREET
0.36	Length	0.36
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1450	Present AADT	1450
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.36 * 10176 * 14.18	\$51,946
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.36 * 3978 * 65	\$93,085
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.36 * 17698 * 9.36	\$59,635
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.36 * 174800	\$62,928
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.36 * 5.66 * 5280 * 10	\$107,585
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.36 * 100000	\$36,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.36 * 16.36 * 5280 * 2	\$62,194
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	473373 * 0.220	\$104,142
Total				\$577,515

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-142-010

Original		Current
NEAL STREET	Street Name	NEAL STREET
HAY CREEK VALLEY ROAD TO PERLICH AVENUE	Termini	HAY CREEK VALLEY ROAD TO PERLICH AVENUE
0.29	Length	0.29
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1750	Present AADT	1750
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.29 * 10176 * 14.18	\$41,846
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.29 * 3978 * 65	\$74,985
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.29 * 17698 * 9.36	\$48,039
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.29 * 174800	\$50,692
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.29 * 5.66 * 5280 * 10	\$86,666
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.29 * 100000	\$29,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.29 * 16.36 * 5280 * 2	\$50,101
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	381329 * 0.220	\$83,892
Total				\$465,221

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-143-010

Original		Current
SOUTHWOOD AVENUE	Street Name	SOUTHWOOD AVENUE
SPRUCE DRIVE TO MAPLE STREET	Termini	SPRUCE DRIVE TO MAPLE STREET
0.2	Length	0.2
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
430	Present AADT	430
2 (1 - 499)	Traffic Group Code	2 (1 - 499)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 2	Length * Quantity * UnitCost	0.2 * 4691 * 14.18	\$13,304
Bituminous	MSAS Bituminous Cost Group 2	Length * Quantity * UnitCost	0.2 * 3182 * 65	\$41,366
Excavation	MSAS Excavation Cost Group 2	Length * Quantity * UnitCost	0.2 * 12496 * 9.36	\$23,393
Storm Sewer	MSAS Storm Sewer Cost Group 2	Length * UnitCost	0.2 * 165500	\$33,100
Sidewalk	MSAS Sidewalk Cost Group 2	Length * UnitCost * FeetPerMile * SidewalkWidth	0.2 * 5.66 * 5280 * 5	\$29,885
Street Lighting	MSAS Street Lighting Cost Group 2	Length * UnitCost	0.2 * 100000	\$20,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 2	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.2 * 16.36 * 5280 * 2	\$34,552
Signal Leg	MSAS Traffic Signals Cost Group 2	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	195600 * 0.220	\$43,032
Total				\$238,632

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-144-010

Original Current

WEST 5TH STREET	Street Name	WEST 5TH STREET
WEST AVENUE TO PLUM STREET	Termini	WEST AVENUE TO PLUM STREET
0.26	Length	0.26
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1375	Present AADT	1375
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2013	Year of AADT Count	2013
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Comments

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

West Avenue intersection reconstructed in 2017 (local funds only).

West Avenue intersection reconstructed in 2017 (local funds only).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.26 * 10176 * 14.18	\$37,517
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.26 * 3978 * 65	\$67,228
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.26 * 17698 * 9.36	\$43,070
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.26 * 174800	\$45,448
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.26 * 5.66 * 5280 * 10	\$77,700
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.26 * 100000	\$26,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.26 * 16.36 * 5280 * 2	\$44,918
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	341881 * 0.220	\$75,214
Total				\$417,095

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

RED WING

Segment Nbr : 156-145-010

Original

Current

SOUTH SERVICE DRIVE
 SPRING CREEK ROAD SOUTH TO
 0.15 EAST OF SPRING CREEK
 ROAD SOUTH

Street Name
 Termini

SOUTH SERVICE DRIVE
 SPRING CREEK ROAD SOUTH TO
 0.15 EAST OF SPRING CREEK
 ROAD SOUTH

0.15

Length

0.15

Non-Existing

Existing Roadway Type

Improved

Undivided

Existing Lane Description

Undivided

0

Existing Number of Signal Legs

0

0

Present AADT

1

1 (0 - 0)

Traffic Group Code

2 (1 - 499)

Year of AADT Count

N

Common Boundary Designation

N

N

Turnback Mileage

N

N

Outside City Limit

N

Year of Latest SA Fund

2018

MSAS DESIGNATION AS PER
 COMMISSIONERS ORDER NO.
 94350 ON JUNE 6, 2014.

Comments

MSAS DESIGNATION AS PER
 COMMISSIONERS ORDER NO.
 94350 ON JUNE 6, 2014.

This segment proposed to be
 constructed in 2018.

This segment was constructed in
 2018 (SAP 156-145-001).

This segment proposed to be
 constructed in 2018.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 2	Length * Quantity * UnitCost	0.15 * 4691 * 14.18	\$9,978
Bituminous	MSAS Bituminous Cost Group 2	Length * Quantity * UnitCost	0.15 * 3182 * 65	\$31,025
Excavation	MSAS Excavation Cost Group 2	Length * Quantity * UnitCost	0.15 * 12496 * 9.36	\$17,544
Storm Sewer	MSAS Storm Sewer Cost Group 2	Length * UnitCost	0.15 * 165500	\$24,825
Sidewalk	MSAS Sidewalk Cost Group 2	Length * UnitCost * FeetPerMile * SidewalkWidth	0.15 * 5.66 * 5280 * 5	\$22,414
Street Lighting	MSAS Street Lighting Cost Group 2	Length * UnitCost	0.15 * 100000	\$15,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 2	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.15 * 16.36 * 5280 * 2	\$25,914
Signal Leg	MSAS Traffic Signals Cost Group 2	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	146700 * 0.220	\$32,274
Total				\$178,974

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-145-020

Original		Current
SOUTH SERVICE DRIVE	Street Name	SOUTH SERVICE DRIVE
FROM 0.15 EAST OF SPRING CREEK ROAD SOUTH TO TYLER ROAD SOUTH	Termini	FROM 0.15 EAST OF SPRING CREEK ROAD SOUTH TO TYLER ROAD SOUTH
0.38	Length	0.38
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1500	Present AADT	1500
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.38 * 10176 * 14.18	\$54,832
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.38 * 3978 * 65	\$98,257
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.38 * 17698 * 9.36	\$62,948
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.38 * 174800	\$66,424
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.38 * 5.66 * 5280 * 10	\$113,562
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.38 * 100000	\$38,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.38 * 16.36 * 5280 * 2	\$65,649
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	499672 * 0.220	\$109,928
Total				\$609,600

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING

Segment Nbr : 156-145-030

Original

Current

SOUTH SERVICE DRIVE	Street Name	SOUTH SERVICE DRIVE
TYLER ROAD SOUTH TO TH 61	Termini	TYLER ROAD SOUTH TO TH 61
0.51	Length	0.51
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1500	Present AADT	1500
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.51 * 10176 * 14.18	\$73,591
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.51 * 3978 * 65	\$131,871
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.51 * 17698 * 9.36	\$84,483
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.51 * 174800	\$89,148
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.51 * 5.66 * 5280 * 10	\$152,412
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.51 * 100000	\$51,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.51 * 16.36 * 5280 * 2	\$88,108
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	670613 * 0.220	\$147,535
Total				\$818,148

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

RED WING

Segment Nbr : 156-147-010

Original

Current

SPRING CREEK AVENUE NORTH
 TH 61 TO TYLER ROAD NORTH
 0.32
 Improved
 Undivided
 0
 690
 3 (500 - 1999)
 2015
 N
 N
 N

Street Name
 Termini
 Length
 Existing Roadway Type
 Existing Lane Description
 Existing Number of Signal Legs
 Present AADT
 Traffic Group Code
 Year of AADT Count
 Common Boundary Designation
 Turnback Mileage
 Outside City Limit
 Year of Latest SA Fund

SPRING CREEK AVENUE NORTH
 TH 61 TO TYLER ROAD NORTH
 0.32
 Improved
 Undivided
 0
 690
 3 (500 - 1999)
 2015
 N
 N
 N
 2018

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

Comments

MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.

TH 61 to Lake Street proposed to be reconstructed in 2018.

TH 61 to Lake Street was reconstructed in 2018 (SAP 156-147-001).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.32 * 10176 * 14.18	\$46,175
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.32 * 3978 * 65	\$82,742
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.32 * 17698 * 9.36	\$53,009
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.32 * 174800	\$55,936
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.32 * 5.66 * 5280 * 10	\$95,631
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.32 * 100000	\$32,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.32 * 16.36 * 5280 * 2	\$55,284
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	420777 * 0.220	\$92,571
Total				\$513,348

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : RED WING Segment Nbr : 156-148-010

Original		Current
JACKSON STREET	Street Name	JACKSON STREET
LEVEE ROAD TO OLD WEST MAIN STREET	Termini	LEVEE ROAD TO OLD WEST MAIN STREET
0.1	Length	0.1
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
790	Present AADT	790
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2015	Year of AADT Count	2015
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.	Comments	MSAS DESIGNATION AS PER COMMISSIONERS ORDER NO. 94350 ON JUNE 6, 2014.
ROADWAY RECONSTRUCTED BETWEEN LEVEE ROAD AND CP RAIL TRACKS IN 2015/2016 AS A PART OF LEVEE ROAD RECONSTRUCTION (DID NOT USE JACKSON STREET MSAS FUNDS).		ROADWAY RECONSTRUCTED BETWEEN LEVEE ROAD AND CP RAIL TRACKS IN 2015/2016 AS A PART OF LEVEE ROAD RECONSTRUCTION (DID NOT USE JACKSON STREET MSAS FUNDS).

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.1 * 10176 * 14.18	\$14,430
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.1 * 3978 * 65	\$25,857
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.1 * 17698 * 9.36	\$16,565
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.1 * 174800	\$17,480
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.1 * 5.66 * 5280 * 10	\$29,885
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.1 * 100000	\$10,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.1 * 16.36 * 5280 * 2	\$17,276
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	131493 * 0.220	\$28,928
Total				\$160,421