

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

MARSHALL

Segment Nbr : 139-103-010

Original

Current

MARSHALL ST	Street Name	MARSHALL ST
3RD ST TO 6TH ST	Termini	3RD ST TO 6TH ST
0.23	Length	0.26
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3200	Present AADT	2600
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1989	Year of Latest SA Fund	1989
1" OVERLAY IN 2002, PAID BY CITY FUNDS COMBINED SEGMENTS 010,020 AND 030 INTO SEGMENT 010	Comments	1" OVERLAY IN 2002, PAID BY CITY FUNDS COMBINED SEGMENTS 010,020 AND 030 INTO SEGMENT 010

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.26 * 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
Engineering Cost		Percent of costs	410785 * 0.220	\$90,373
Total				\$501,158

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-107-010

Original		Current
E-STREET	Street Name	E-STREET
E MAIN STREET TO E LYON STREET	Termini	E MAIN STREET TO E LYON STREET
0.25	Length	0.26
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3250	Present AADT	3050
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2010	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2003	Year of Latest SA Fund	2003
PROJECT LET IN 2003 SAP 139-107-07	Comments	PROJECT LET IN 2003 SAP 139-107-07
ABOVE OVERLAY PROJECT COMPLETED IN 2004		ABOVE OVERLAY PROJECT COMPLETED IN 2004

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.26 * 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
Engineering Cost		Percent of costs	410785 * 0.220	\$90,373
Total				\$501,158

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-107-020

Original		Current
S BRUCE ST	Street Name	S BRUCE ST
E LYON ST TO E COLLEGE DRIVE (TH 19)	Termini	E LYON ST TO E COLLEGE DRIVE (TH 19)
0.51	Length	0.5
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
4750	Present AADT	4450
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2002	Year of Latest SA Fund	2002
2" OVERLAY IN 2002 UNDER PLAN # SAP 139-107-006	Comments	2" OVERLAY IN 2002 UNDER PLAN # SAP 139-107-006

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.5 * 19628 * 14.18	\$139,163
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.5 * 4773 * 65	\$155,123
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.5 * 25188 * 9.36	\$117,880
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.5 * 184000	\$92,000
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.5 * 5.66 * 5280 * 10	\$149,424
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.5 * 100000	\$50,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.5 * 16.36 * 5280 * 2	\$86,381
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	841896 * 0.220	\$185,217
Total				\$1,027,113

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-109-031

Original		Current
S 6TH ST	Street Name	S 6TH ST
SARATOGA ST TO TH 59 (WEST MAIN STREET)	Termini	SARATOGA ST TO TH 59 (WEST MAIN STREET)
0.14	Length	0.16
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2450	Present AADT	2450
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1986	Year of Latest SA Fund	1986
	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	0.16 * 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 : Revised

City Name :

MARSHALL

Segment Nbr : 139-109-040

Original

Current

6TH STREET
 TH 59 TO MARSHALL ST
 0.19
 Improved
 Undivided
 0
 1150
 3 (500 - 1999)
 2014
 N
 N
 N
 2006
 THIS SEGMENT IS CURRENTLY
 UNDER CONSTRUCTION AND
 WILL BE COMPLETED IN 2006
 SAP 139-109-004

 CONSTRUCTION COMPLETED IN
 2006

 STREET WAS SEAL COATED IN
 2013 USING CITY FUNDS

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

6TH STREET
 TH 59 TO MARSHALL ST
 0.21
 Improved
 Undivided
 0
 1100
 3 (500 - 1999)
 2018
 N
 N
 N
 2006
 THIS SEGMENT IS CURRENTLY
 UNDER CONSTRUCTION AND
 WILL BE COMPLETED IN 2006
 SAP 139-109-004

 CONSTRUCTION COMPLETED IN
 2006

 STREET WAS SEAL COATED IN
 2013 USING CITY 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 : Revised

City Name : **MARSHALL** Segment Nbr : **139-110-010**

Original		Current
S 4TH ST	Street Name	S 4TH ST
TH 19 TO MAIN STREET	Termini	TH 19 TO MAIN STREET
0.53	Length	0.48
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3150	Present AADT	2950
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2004	Year of Latest SA Fund	2004
PROJECT 139-110-04 LET IN 2003 ABOVE OVERLAY PROJECT COMPLETED IN 2004	Comments	PROJECT 139-110-04 LET IN 2003 ABOVE OVERLAY PROJECT COMPLETED IN 2004
2009 NEEDS COMBINED MSAS ROADWAY SEGMENT 110-020 WITH 110-010		2009 NEEDS COMBINED MSAS ROADWAY SEGMENT 110-020 WITH 110-010
139-110-010 IS THE CORRECT SEGMENT NUMBER		139-110-010 IS THE CORRECT SEGMENT NUMBER
2015 COMBINED SEGMENTS 010,030, AND 040 INTO 010		2015 COMBINED SEGMENTS 010,030, AND 040 INTO 010

Segment Override

Bridge Information

Status: Original

Original		Current
093343	Structure Number	093343
0.03	Milepoint	0.03
REDWOOD RIVER	Feature Crossed	REDWOOD RIVER
46	Structure Length	46
1978	Year Built	1978
	Comments	
OTHER	Bridge Type	OTHER
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	0.48 * 19628 * 14.18	\$133,596
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.48 * 4773 * 65	\$148,918
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.48 * 25188 * 9.36	\$113,165
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.48 * 184000	\$88,320
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.48 * 5.66 * 5280 * 10	\$143,447
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.48 * 100000	\$48,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.48 * 16.36 * 5280 * 2	\$82,926
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0

Bridge	MSAS Bridge TGC Group 4	BridgeLength * NeedsWidth * UnitCost	46 * 40 * 95.2	\$175,168
Engineering Cost		Percent of costs	933540 * 0.220	\$205,379
Total				\$1,138,919

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : **MARSHALL** Segment Nbr : 139-110-050

Original		Current
N 4TH ST	Street Name	N 4TH ST
MAIN ST TO BRUCE ST	Termini	MAIN ST TO BRUCE ST
1.03	Length	0.99
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
2550	Present AADT	2800
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
Y	Turnback Mileage	Y
County Road TB	Turnback Type	County Road TB
N	Outside City Limit	N
2002	Year of Latest SA Fund	2002
2" OVERLAY IN 2002 UNDER PLAN # SAP 139-110-003	Comments	2" OVERLAY IN 2002 UNDER PLAN # SAP 139-110-003
	Segment Override	

Bridge Information

Status: Original

Original		Current
91601	Structure Number	91601
0.27	Milepoint	0.27
REDWOOD RIVER	Feature Crossed	REDWOOD RIVER
80	Structure Length	80
1977	Year Built	1977
	Comments	
OTHER	Bridge Type	OTHER
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	0.99 * 19628 * 14.18	\$275,542
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.99 * 4773 * 65	\$307,143
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.99 * 25188 * 9.36	\$233,402
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.99 * 184000	\$182,160
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.99 * 5.66 * 5280 * 10	\$295,860
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.99 * 100000	\$99,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.99 * 16.36 * 5280 * 2	\$171,034
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Bridge	MSAS Bridge TGC Group 4	BridgeLength * NeedsWidth * UnitCost	80 * 40 * 95.2	\$304,640
Engineering Cost		Percent of costs	1920706 * 0.220	\$422,555
Total				\$2,343,261

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : **MARSHALL** Segment Nbr : 139-111-002

Original		Current
SARATOGA ST	Street Name	SARATOGA ST
CENTER OF SECTION 16 (CORP LIMITS) 3200' TO TH 23	Termini	CENTER OF SECTION 16 (CORP LIMITS) 3200' TO TH 23
0.61	Length	0.62
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1850	Present AADT	1750
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
Y	Turnback Mileage	Y
County Road TB	Turnback Type	County Road TB
N	Outside City Limit	N
2015	Year of Latest SA Fund	2015
THIS SECTION WAS RECONSTRUCTED IN 2007 WITH BOTH COUNTY FUNDS PROJECT # 42-635-01 AND SAP FUNDS PROJECT 139-111-04 AND AGREEMENT #07492	Comments	THIS SECTION WAS RECONSTRUCTED IN 2007 WITH BOTH COUNTY FUNDS PROJECT # 42-635-01 AND SAP FUNDS PROJECT 139-111-04 AND AGREEMENT #07492
	Segment Override	

Bridge Information

Status: Original

Original		Current
42016	Structure Number	42016
0.6	Milepoint	0.6
TH 23	Feature Crossed	TH 23
0	Structure Length	0
2015	Year Built	2015
BRIDGE PROJECT WAS BUILT IN 2015 AS PART OF PROJECT NUMBER SP 4207-55 AND SAP 139-111-005. THIS DOES GO FROM SEGMENT NUMBER 111-002 TO SEGMENT NUMBER 111-005	Comments	BRIDGE PROJECT WAS BUILT IN 2015 AS PART OF PROJECT NUMBER SP 4207-55 AND SAP 139-111-005. THIS DOES GO FROM SEGMENT NUMBER 111-002 TO SEGMENT NUMBER 111-005
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	0.62 * 10176 * 14.18	\$89,463
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.62 * 3978 * 65	\$160,313
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.62 * 17698 * 9.36	\$102,705
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.62 * 174800	\$108,376
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.62 * 5.66 * 5280 * 10	\$185,286
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.62 * 100000	\$62,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.62 * 16.36 * 5280 * 2	\$107,112
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0

Bridge	MSAS Bridge TGC Group 3	BridgeLength * NeedsWidth * UnitCost	0 * 34 * 95.2	\$0
Engineering Cost		Percent of costs	815255 * 0.220	\$179,356
Total				\$994,611

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

MARSHALL

Segment Nbr : 139-111-005

Original

Current

SARATOGA ST	Street Name	SARATOGA ST
TH 23 TO WEST COLLEGE DRIVE	Termini	TH 23 TO WEST COLLEGE DRIVE
1.12	Length	1.14
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
4550	Present AADT	4550
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2014
N	Common Boundary Designation	N
Y	Turnback Mileage	Y
County Road TB	Turnback Type	County Road TB
N	Outside City Limit	N
2015	Year of Latest SA Fund	2015
ROADWAY FROM TH 23 TO SOUTHVIEW DRIVE WAS RECONSTRUCTED IN 2015. INCLUDED IN THE PROJECT WAS BRIDGE # 42016. THE BRIDGE STRUCTURE IS INCLUDED IN SEGMENT #111-002. PROJECT NUMBER FOR THE PROJECT IS SP 4207-55 AND SAP 139-111-005. ALSO BUILT WAS A BIKE TRAIL ALONG THE WEST SIDE OF SARATOGA STREET. ALSO AGREEMENT #07492	Comments	ROADWAY FROM TH 23 TO SOUTHVIEW DRIVE WAS RECONSTRUCTED IN 2015. INCLUDED IN THE PROJECT WAS BRIDGE # 42016. THE BRIDGE STRUCTURE IS INCLUDED IN SEGMENT #111-002. PROJECT NUMBER FOR THE PROJECT IS SP 4207-55 AND SAP 139-111-005. ALSO BUILT WAS A BIKE TRAIL ALONG THE WEST SIDE OF SARATOGA STREET. ALSO AGREEMENT #07492

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	1.14 * 19628 * 14.18	\$317,291
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	1.14 * 4773 * 65	\$353,679
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	1.14 * 25188 * 9.36	\$268,766
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	1.14 * 184000	\$209,760
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	1.14 * 5.66 * 5280 * 10	\$340,687
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	1.14 * 100000	\$114,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	1.14 * 16.36 * 5280 * 2	\$196,948
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	1853056 * 0.220	\$407,672
Total				\$2,260,728

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-111-010

Original		Current
SARATOGA	Street Name	SARATOGA
TH 19 TO 6TH STREET	Termini	TH 19 TO 6TH STREET
0.32	Length	0.34
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
3600	Present AADT	3600
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2014
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
0	Year of Latest SA Fund	
2015 COMBINED SEGMENT 020,030 INTO SEGMENT 010 STRUCTURE DATA COPIED FROM 020	Comments	2015 COMBINED SEGMENT 020,030 INTO SEGMENT 010 STRUCTURE DATA COPIED FROM 020
	Segment Override	

Bridge Information

Status: Original

Original		Current
042519	Structure Number	042519
0	Milepoint	0
River	Feature Crossed	River
0	Structure Length	0
0	Year Built	0
	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	0.34 * 19628 * 14.18	\$94,631
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.34 * 4773 * 65	\$105,483
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.34 * 25188 * 9.36	\$80,158
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.34 * 184000	\$62,560
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.34 * 5.66 * 5280 * 10	\$101,608
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.34 * 100000	\$34,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.34 * 16.36 * 5280 * 2	\$58,739
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Bridge	MSAS Bridge TGC Group 4	BridgeLength * NeedsWidth * UnitCost	0 * 40 * 95.2	\$0
Engineering Cost		Percent of costs	589104 * 0.220	\$129,603
Total				\$718,707

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : **MARSHALL** Segment Nbr : 139-112-010

Original		Current
N 3RD ST	Street Name	N 3RD ST
W MARSHALL ST TO TH 19	Termini	W MARSHALL ST TO TH 19
0.13	Length	0.14
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1700	Present AADT	1750
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2007	Year of Latest SA Fund	2007
THIS SECTION IS CURRENTLY UNDER CONSTRUCTION WITH NEW STREET SECTION, ALIGNMENT AND BRIDGE TO BE COMPLETED IN THE SPRING OF 2008. S.A.P. 139-112-05	Comments	THIS SECTION IS CURRENTLY UNDER CONSTRUCTION WITH NEW STREET SECTION, ALIGNMENT AND BRIDGE TO BE COMPLETED IN THE SPRING OF 2008. S.A.P. 139-112-05

THIS PROJECT WAS FINISHED IN 2008

THIS PROJECT WAS FINISHED IN 2008

Segment Override

Culvert Information

Status: Original

Original		Current
42J22	Structure Number	42J22
0.12	Milepoint	0.12
REDWOOD RIVER	Feature Crossed	REDWOOD RIVER
3	Barrels	3
0	Culvert Height	0
15	Culvert Width	15
2007	Year Built	2007
	Comments	
3 (500 - 1999)	Culvert Group Code	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	0.14 * 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

Culvert	MSAS Culvert TGC Group 3	CulvertWidth * NeedsWidth * UnitCost * NumOfBarrels	15 * 34 * 95.2 * 3	\$145,656
Engineering Cost		Percent of costs	329746 * 0.220	\$72,544
Total				\$402,290

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-113-010

Original		Current
MUSTANG TRAIL	Street Name	MUSTANG TRAIL
TH 19 (EAST COLLEGE DRIVE) TO BIRCH STREET	Termini	TH 19 (EAST COLLEGE DRIVE) TO BIRCH STREET
0.11	Length	0.13
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
2400	Present AADT	2300
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1983	Year of Latest SA Fund	1983
	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	0.13 * 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	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	257317 * 0.220	\$56,610
Total				\$313,927

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : MARSHALL Segment Nbr : 139-114-010

Original		Current
BIRCH ST	Street Name	BIRCH ST
N BRUCE ST TO MUSTANG TRAIL	Termini	N BRUCE ST TO MUSTANG TRAIL
0.51	Length	0.51
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3150	Present AADT	3000
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1997	Year of Latest SA Fund	1997
SEGMENT COMBINED WITH 020	Comments	SEGMENT COMBINED WITH 020
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.51 * 19628 * 14.18	\$141,946
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.51 * 4773 * 65	\$158,225
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.51 * 25188 * 9.36	\$120,237
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.51 * 184000	\$93,840
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.51 * 5.66 * 5280 * 10	\$152,412
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.51 * 100000	\$51,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.51 * 16.36 * 5280 * 2	\$88,108
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	805768 * 0.220	\$177,269
Total				\$983,037

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-114-030

Original		Current
BIRCH STREET	Street Name	BIRCH STREET
MUSTANG TRAIL TO STATE STREET	Termini	MUSTANG TRAIL TO STATE STREET
0.45	Length	0.47
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1850	Present AADT	1500
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2003	Year of Latest SA Fund	2003
PROJECT 139-114-03 LET IN 2003 ABOVE OVERLAY PROJECT COMPLETED IN 2004	Comments	PROJECT 139-114-03 LET IN 2003 ABOVE OVERLAY PROJECT COMPLETED IN 2004
2015 SEGMENT COMBINED WITH 040		2015 SEGMENT COMBINED WITH 040

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.47 * 10176 * 14.18	\$67,819
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.47 * 3978 * 65	\$121,528
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.47 * 17698 * 9.36	\$77,857
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.47 * 174800	\$82,156
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.47 * 5.66 * 5280 * 10	\$140,459
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.47 * 100000	\$47,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.47 * 16.36 * 5280 * 2	\$81,198
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	618017 * 0.220	\$135,964
Total				\$753,981

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : MARSHALL Segment Nbr : 139-115-010

Original		Current
N BRUCE ST	Street Name	N BRUCE ST
E COLLEGE DRIVE TO BIRCH ST	Termini	E COLLEGE DRIVE TO BIRCH ST
0.16	Length	0.16
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
4750	Present AADT	4700
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2002	Year of Latest SA Fund	2002
2" OVERLAY IN 2002 UNDER PLAN # SAP 139-115-003	Comments	2" OVERLAY IN 2002 UNDER PLAN # SAP 139-115-003

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	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	304716 * 0.220	\$67,038
Total				\$371,754

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-119-010

Original		Current
SOUTHVIEW DR	Street Name	SOUTHVIEW DR
TH 59 TO SARATOGA STREET	Termini	TH 59 TO SARATOGA STREET
0.53	Length	0.55
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
3100	Present AADT	6800
4 (2000 - 4999)	Traffic Group Code	5 (5000 - 8999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2002	Year of Latest SA Fund	2002
2" OVERLAY IN 2002 UNDER PLAN # SAP 139-119-005	Comments	2" OVERLAY IN 2002 UNDER PLAN # SAP 139-119-005
2009 NEEDS COMBINED SEGMENTS 119-020 AND 119-030 WITH SEGMENT 119-010		2009 NEEDS COMBINED SEGMENTS 119-020 AND 119-030 WITH SEGMENT 119-010
CORRECT SEGMENT NUMBER IS 139-119-010		CORRECT SEGMENT NUMBER IS 139-119-010

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 5	Length * Quantity * UnitCost	0.55 * 27907 * 14.18	\$217,647
Bituminous	MSAS Bituminous Cost Group 5	Length * Quantity * UnitCost	0.55 * 5834 * 65	\$208,566
Excavation	MSAS Excavation Cost Group 5	Length * Quantity * UnitCost	0.55 * 32795 * 9.36	\$168,829
Storm Sewer	MSAS Storm Sewer Cost Group 5	Length * UnitCost	0.55 * 196400	\$108,020
Sidewalk	MSAS Sidewalk Cost Group 5	Length * UnitCost * FeetPerMile * SidewalkWidth	0.55 * 5.66 * 5280 * 10	\$164,366
Street Lighting	MSAS Street Lighting Cost Group 5	Length * UnitCost	0.55 * 100000	\$55,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 5	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.55 * 16.36 * 5280 * 2	\$95,019
Signal Leg	MSAS Traffic Signals Cost Group 5	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	1069372 * 0.220	\$235,262
Total				\$1,304,634

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : **MARSHALL** Segment Nbr : 139-119-040

Original		Current
SOUTHVIEW DRIVE	Street Name	SOUTHVIEW DRIVE
SARATOGA ST TO S FIRST ST	Termini	SARATOGA ST TO S FIRST ST
0.26	Length	0.26
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3200	Present AADT	3350
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1989	Year of Latest SA Fund	1989
2" OVERLAY IN 2003, STATEAID PROJECT NO. 139-119-06	Comments	2" OVERLAY IN 2003, STATEAID PROJECT NO. 139-119-06
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.26 * 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
Engineering Cost		Percent of costs	410785 * 0.220	\$90,373
Total				\$501,158

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

MARSHALL

Segment Nbr : 139-119-050

Original

Current

SOUTHVIEW DRIVE	Street Name	SOUTHVIEW DRIVE
S FIRST ST TO S FOURTH ST	Termini	S FIRST ST TO S FOURTH ST
0.25	Length	0.25
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3200	Present AADT	3350
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
2" OVERLAY IN 2003 STATEAID PROJECT NO 139-119-06	Comments	2" OVERLAY IN 2003 STATEAID PROJECT NO 139-119-06
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.25 * 19628 * 14.18	\$69,581
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.25 * 4773 * 65	\$77,561
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.25 * 25188 * 9.36	\$58,940
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.25 * 184000	\$46,000
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.25 * 5.66 * 5280 * 10	\$74,712
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.25 * 100000	\$25,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.25 * 16.36 * 5280 * 2	\$43,190
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	394984 * 0.220	\$86,896
Total				\$481,880

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : MARSHALL Segment Nbr : 139-119-060

Original		Current
SOUTHVIEW DRIVE	Street Name	SOUTHVIEW DRIVE
S FOURTH ST TO COUNTRY CLUB DRIVE	Termini	S FOURTH ST TO COUNTRY CLUB DRIVE
0.32	Length	0.32
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
700	Present AADT	680
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
ADDED TO STATEAID IN 2007	Comments	ADDED TO STATEAID IN 2007
REGRADED AND SURFACED WITH LOCAL FUNDS IN 2008. PROJECT IS SCHEDULED TO BE COMPLETED IN 2009		REGRADED AND SURFACED WITH LOCAL FUNDS IN 2008. PROJECT IS SCHEDULED TO BE COMPLETED IN 2009

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 : Revised

City Name : MARSHALL Segment Nbr : 139-120-010

Original		Current
NORTH BRUCE ST	Street Name	NORTH BRUCE ST
BIRCH ST TO BOXELDER ST	Termini	BIRCH ST TO BOXELDER ST
0.18	Length	0.16
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
4400	Present AADT	3500
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2002	Year of Latest SA Fund	2002
2" OVERLAY IN 2002 UNDER PLAN # SAP 139-120-005	Comments	2" OVERLAY IN 2002 UNDER PLAN # SAP 139-120-005
	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 : Revised

City Name : MARSHALL Segment Nbr : 139-120-020

Original		Current
NORTH BRUCE ST	Street Name	NORTH BRUCE ST
BOXELDER ST TO FAIRVIEW ST	Termini	BOXELDER ST TO FAIRVIEW ST
0.18	Length	0.19
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1450	Present AADT	1400
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2002	Year of Latest SA Fund	2002
2" OVERLAY IN 2002 UNDER PLAN # SAP 139-120-005	Comments	2" OVERLAY IN 2002 UNDER PLAN # SAP 139-120-005
	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 : Revised

City Name : MARSHALL Segment Nbr : 139-120-030

Original		Current
NORTH BRUCE ST	Street Name	NORTH BRUCE ST
FAIRVIEW ST TO 77' NORTH OF EMERALD COURT	Termini	FAIRVIEW ST TO 77' NORTH OF EMERALD COURT
0.11	Length	0.1
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1450	Present AADT	1400
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2002	Year of Latest SA Fund	2002
2" OVERLAY IN 2002 UNDER PLAN # SAP 139-120-005	Comments	2" OVERLAY IN 2002 UNDER PLAN # SAP 139-120-005
	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

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-120-040

Original		Current
NORTH BRUCE STREET	Street Name	NORTH BRUCE STREET
77' NORTH OF EMERALD COURT TO CRD 67	Termini	77' NORTH OF EMERALD COURT TO CRD 67
0.79	Length	0.76
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1450	Present AADT	1400
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
Y	Turnback Mileage	Y
County Road TB	Turnback Type	County Road TB
N	Outside City Limit	N
	Year of Latest SA Fund	
CR 67 TURNBACK. PUT ON SYSTEM IN 2004	Comments	CR 67 TURNBACK. PUT ON SYSTEM IN 2004
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.76 * 10176 * 14.18	\$109,665
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.76 * 3978 * 65	\$196,513
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.76 * 17698 * 9.36	\$125,896
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.76 * 174800	\$132,848
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.76 * 5.66 * 5280 * 10	\$227,124
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.76 * 100000	\$76,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.76 * 16.36 * 5280 * 2	\$131,299
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	999345 * 0.220	\$219,856
Total				\$1,219,201

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name : MARSHALL Segment Nbr : 139-121-010

Original		Current
CHANNEL PARKWAY	Street Name	CHANNEL PARKWAY
TH 19 TO TH 68	Termini	TH 19 TO TH 68
1.16	Length	1.16
Improved	Existing Roadway Type	Improved
Divided	Existing Lane Description	Divided
0	Existing Number of Signal Legs	0
3200	Present AADT	3050
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2004	Year of Latest SA Fund	2004
ROADWAY CONSTRUCTION IN 2004. MINOR ITEMS TO BE COMPLETED IN 2005 PROJECT COMPLETE IN 2005	Comments	ROADWAY CONSTRUCTION IN 2004. MINOR ITEMS TO BE COMPLETED IN 2005 PROJECT COMPLETE IN 2005
STREET WAS SEAL COATED IN 2013 WITH CITY FUNDS		STREET WAS SEAL COATED IN 2013 WITH CITY 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	1.16 * 19628 * 14.18	\$322,857
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	1.16 * 4773 * 65	\$359,884
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	1.16 * 25188 * 9.36	\$273,481
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	1.16 * 184000	\$213,440
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	1.16 * 5.66 * 5280 * 10	\$346,664
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	1.16 * 100000	\$116,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	1.16 * 16.36 * 5280 * 4	\$400,807
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	2033133 * 0.220	\$447,289
Total				\$2,480,422

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-121-020

Original		Current
CHANNEL PARKWAY	Street Name	CHANNEL PARKWAY
TH 68 TO TH 59	Termini	TH 68 TO TH 59
0.48	Length	0.44
Improved	Existing Roadway Type	Improved
Divided	Existing Lane Description	Divided
0	Existing Number of Signal Legs	0
2300	Present AADT	1950
4 (2000 - 4999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2004	Year of Latest SA Fund	2004
RECONSTRUCTION IN 2004 WITH ONLY MINOR ITEMS TO BE COMPLETED IN 2005 PROJECT COMPLETE IN 2005	Comments	RECONSTRUCTION IN 2004 WITH ONLY MINOR ITEMS TO BE COMPLETED IN 2005 PROJECT COMPLETE IN 2005
STREET WAS SEAL COATED IN 2012 WITH CITY FUNDS		STREET WAS SEAL COATED IN 2012 WITH CITY 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	0.44 * 10176 * 14.18	\$63,490
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.44 * 3978 * 65	\$113,771
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.44 * 17698 * 9.36	\$72,887
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.44 * 174800	\$76,912
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.44 * 5.66 * 5280 * 10	\$131,493
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.44 * 100000	\$44,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.44 * 16.36 * 5280 * 4	\$152,030
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	654583 * 0.220	\$144,008
Total				\$798,591

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : **MARSHALL** Segment Nbr : 139-122-010

Original		Current
COUNTRY CLUB DRIVE	Street Name	COUNTRY CLUB DRIVE
COUNTY STATE AID HIGHWAY 7 TO S 4TH STREET	Termini	COUNTY STATE AID HIGHWAY 7 TO S 4TH STREET
1.25	Length	1.26
Improved	Existing Roadway Type	Improved
Divided	Existing Lane Description	Divided
1	Existing Number of Signal Legs	1
3300	Present AADT	2750
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
Y	Turnback Mileage	Y
THTB	Turnback Type	THTB
N	Eligible For Trunk Highway Funds	N
N	Outside City Limit	N
2001	Year of Latest SA Fund	2001
2" OVERLAY IN 2001 ROADWAY WAS PARTIALLY REALIGNED IN 2012 THE LENGTH OF THE SEGEMENT WAS SHORTENED BY 100 FEET OR 0.02 MILES PROJECT NUMBER 139-122-006	Comments	2" OVERLAY IN 2001 ROADWAY WAS PARTIALLY REALIGNED IN 2012 THE LENGTH OF THE SEGEMENT WAS SHORTENED BY 100 FEET OR 0.02 MILES PROJECT NUMBER 139-122-006

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	1.26 * 19628 * 14.18	\$350,690
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	1.26 * 4773 * 65	\$390,909
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	1.26 * 25188 * 9.36	\$297,057
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	1.26 * 184000	\$231,840
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	1.26 * 5.66 * 5280 * 10	\$376,548
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	1.26 * 100000	\$126,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	1.26 * 16.36 * 5280 * 4	\$435,359
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	2260328 * 0.220	\$497,272
Total				\$2,757,600

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

MARSHALL

Segment Nbr : 139-122-020

Original

Current

COUNTRY CLUB DRIVE	Street Name	COUNTRY CLUB DRIVE
4TH STREET S TO TH 19	Termini	4TH STREET S TO TH 19
0.17	Length	0.18
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
3750	Present AADT	3150
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
Y	Turnback Mileage	Y
THTB	Turnback Type	THTB
N	Eligible For Trunk Highway Funds	N
N	Outside City Limit	N
2001	Year of Latest SA Fund	2001
2" OVERLAY 2001 UNDER PLAN # 139-122-004	Comments	2" OVERLAY 2001 UNDER PLAN # 139-122-004

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.18 * 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 * 2	\$31,097
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	336315 * 0.220	\$73,989
Total				\$410,304

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-123-010

Original		Current
EAST LYON STREET	Street Name	EAST LYON STREET
MAIN ST TO SOUTH BRUCE ST	Termini	MAIN ST TO SOUTH BRUCE ST
0.35	Length	0.33
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
4200	Present AADT	4200
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2014
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2003	Year of Latest SA Fund	2003
2" BIT. OVERLAY IN 2003 STATEAID PROJECT NO. 139-123-07	Comments	2" BIT. OVERLAY IN 2003 STATEAID PROJECT NO. 139-123-07
2015 COMBINED WITH SECTION 020		2015 COMBINED WITH SECTION 020

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.33 * 19628 * 14.18	\$91,847
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.33 * 4773 * 65	\$102,381
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.33 * 25188 * 9.36	\$77,801
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.33 * 184000	\$60,720
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.33 * 5.66 * 5280 * 10	\$98,620
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.33 * 100000	\$33,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.33 * 16.36 * 5280 * 2	\$57,011
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	573305 * 0.220	\$126,127
Total				\$699,432

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

MARSHALL

Segment Nbr : 139-123-030

Original

Current

EAST LYON STREET	Street Name	EAST LYON STREET
SOUTH BRUCE ST TO T.H.- 23	Termini	SOUTH BRUCE ST TO T.H.- 23
0.76	Length	0.79
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
3450	Present AADT	2900
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2001	Year of Latest SA Fund	2001
2" OVERLAY 2001 UNDER PLAN # 139-123-006	Comments	2" OVERLAY 2001 UNDER PLAN # 139-123-006
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.79 * 19628 * 14.18	\$219,877
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.79 * 4773 * 65	\$245,094
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.79 * 25188 * 9.36	\$186,250
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.79 * 184000	\$145,360
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.79 * 5.66 * 5280 * 10	\$236,090
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.79 * 100000	\$79,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.79 * 16.36 * 5280 * 2	\$136,482
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	1248153 * 0.220	\$274,594
Total				\$1,522,747

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-124-004

Original		Current
SOUTH 4TH STREET	Street Name	SOUTH 4TH STREET
TH 23 TO ELAINE AVE	Termini	TH 23 TO ELAINE AVE
0.26	Length	0.25
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1800	Present AADT	2250
3 (500 - 1999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
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	0.25 * 19628 * 14.18	\$69,581
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.25 * 4773 * 65	\$77,561
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.25 * 25188 * 9.36	\$58,940
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.25 * 184000	\$46,000
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.25 * 5.66 * 5280 * 10	\$74,712
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.25 * 100000	\$25,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.25 * 16.36 * 5280 * 2	\$43,190
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	394984 * 0.220	\$86,896
Total				\$481,880

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

MARSHALL

Segment Nbr : 139-124-007

Original

Current

SOUTH 4TH STREET	Street Name	SOUTH 4TH STREET
ELAINE AVE TO COUNTRY CLUB DR (MSA 122)	Termini	ELAINE AVE TO COUNTRY CLUB DR (MSA 122)
0.51	Length	0.58
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2400	Present AADT	2600
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2001	Year of Latest SA Fund	2001
2" OVERLAY 2001 UNDER PLAN # 139-124-002	Comments	2" OVERLAY 2001 UNDER PLAN # 139-124-002
2015 COMBINED SECTIONS 010 AND 020 INTO THIS SECTION		2015 COMBINED SECTIONS 010 AND 020 INTO THIS SECTION

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.58 * 19628 * 14.18	\$161,429
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.58 * 4773 * 65	\$179,942
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.58 * 25188 * 9.36	\$136,741
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.58 * 184000	\$106,720
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.58 * 5.66 * 5280 * 10	\$173,332
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.58 * 100000	\$58,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.58 * 16.36 * 5280 * 2	\$100,202
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	916366 * 0.220	\$201,601
Total				\$1,117,967

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-124-030

Original		Current
SOUTH 4TH STREET	Street Name	SOUTH 4TH STREET
COUNTRY CLUB DR TO TH 19 W (W COLLEGE DR)	Termini	COUNTRY CLUB DR TO TH 19 W (W COLLEGE DR)
0.13	Length	0.14
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
1	Existing Number of Signal Legs	1
2400	Present AADT	2550
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2004	Year of Latest SA Fund	2004
MILL AND OVERLAY PROJECT 139-124-03 LET IN 2003 ABOVE PROJECT COMPLETED IN 2004	Comments	MILL AND OVERLAY PROJECT 139-124-03 LET IN 2003 ABOVE PROJECT COMPLETED IN 2004

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	1 * 207700 / 4	\$51,925
Engineering Cost		Percent of costs	273117 * 0.220	\$60,086
Total				\$333,203

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-125-010

Original		Current
O'CONNELL STREET	Street Name	O'CONNELL STREET
TH 19 (E COLLEGE DR) TO BIRCH ST	Termini	TH 19 (E COLLEGE DR) TO BIRCH ST
0.1	Length	0.12
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1850	Present AADT	1750
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
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	0.12 * 10176 * 14.18	\$17,315
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.12 * 3978 * 65	\$31,028
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.12 * 17698 * 9.36	\$19,878
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.12 * 174800	\$20,976
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.12 * 5.66 * 5280 * 10	\$35,862
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.12 * 100000	\$12,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.12 * 16.36 * 5280 * 2	\$20,731
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	157790 * 0.220	\$34,714
Total				\$192,504

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-127-010

Original		Current
JEWETT STREET	Street Name	JEWETT STREET
LYON ST TO TH 19 (E COLLEGE DR)	Termini	LYON ST TO TH 19 (E COLLEGE DR)
0.49	Length	0.5
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2500	Present AADT	2650
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
1999	Year of Latest SA Fund	1999
	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	0.5 * 19628 * 14.18	\$139,163
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.5 * 4773 * 65	\$155,123
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.5 * 25188 * 9.36	\$117,880
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.5 * 184000	\$92,000
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.5 * 5.66 * 5280 * 10	\$149,424
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.5 * 100000	\$50,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.5 * 16.36 * 5280 * 2	\$86,381
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	789971 * 0.220	\$173,794
Total				\$963,765

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : MARSHALL Segment Nbr : 139-129-010

Original		Current
NORTH 7TH STREET	Street Name	NORTH 7TH STREET
KOSSUTH AVENUE TO CR 33	Termini	KOSSUTH AVENUE TO CR 33
0.83	Length	0.85
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2050	Present AADT	1600
4 (2000 - 4999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2017	Year of Latest SA Fund	2017
	Comments	
BRIDGE #L1911 WAS REPLACED IN 2002 WITH BRIDGE # 42552. CONSTRUCTION PROJECT #139-129-01		BRIDGE #L1911 WAS REPLACED IN 2002 WITH BRIDGE # 42552. CONSTRUCTION PROJECT #139-129-01
ALSO THIS SEGMENT OF ROADWAY HAS CURB AND GUTTER ONLY ON 1 SIDE OF THE STREET This street was reconstructed in 2017 to a complete street section and additional storm sewer		ALSO THIS SEGMENT OF ROADWAY HAS CURB AND GUTTER ONLY ON 1 SIDE OF THE STREET This street was reconstructed in 2017 to a complete street section and additional storm sewer

Segment Override

Bridge Information

Status: Original

Original		Current
42552	Structure Number	42552
0.03	Milepoint	0.03
REDWOOD R DIVERSION	Feature Crossed	REDWOOD R DIVERSION
135	Structure Length	135
2002	Year Built	2002
	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 3	Length * Quantity * UnitCost	0.85 * 10176 * 14.18	\$122,651
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.85 * 3978 * 65	\$219,785
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.85 * 17698 * 9.36	\$140,805
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.85 * 174800	\$148,580
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.85 * 5.66 * 5280 * 10	\$254,021
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.85 * 100000	\$85,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.85 * 16.36 * 5280 * 2	\$146,847
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0

Bridge	MSAS Bridge TGC Group 4	BridgeLength * NeedsWidth * UnitCost	135 * 40 * 95.2	\$514,080
Engineering Cost		Percent of costs	1631769 * 0.220	\$358,989
Total				\$1,990,758

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

MARSHALL

Segment Nbr : 139-130-010

Original

Current

KOSSUTH AVENUE
NORTH 4TH STREET TO NORTH
7TH STREET

Street Name

KOSSUTH AVENUE

0.49

Length

0.51

Improved

Existing Roadway Type

Improved

Undivided

Existing Lane Description

Undivided

0

Existing Number of Signal Legs

0

1550

Present AADT

1450

3 (500 - 1999)

Traffic Group Code

3 (500 - 1999)

2014

Year of AADT Count

2018

N

Common Boundary Designation

N

N

Turnback Mileage

N

N

Outside City Limit

N

0

Year of Latest SA Fund

KOSSUTH STREET IS CURRENTLY UNDER RECONSTRUCTION. MOST CONSTRUCTION WAS COMPLETED IN 2012 AND WILL BE COMPLETED IN 2013. SAP PROJECT NO. 139-130-001 THIS PROJECT CONSTRUCTION WAS COMPLETED IN 2014.

Comments

KOSSUTH STREET IS CURRENTLY UNDER RECONSTRUCTION. MOST CONSTRUCTION WAS COMPLETED IN 2012 AND WILL BE COMPLETED IN 2013. SAP PROJECT NO. 139-130-001 THIS PROJECT CONSTRUCTION WAS COMPLETED IN 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 : MARSHALL Segment Nbr : 139-131-010

Original		Current
WINDSTAR AVENUE	Street Name	WINDSTAR AVENUE
CRD 67 (SOUTH SARATOGA STREET) TO TH 59	Termini	CRD 67 (SOUTH SARATOGA STREET) TO TH 59
0.76	Length	0.82
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
700	Present AADT	680
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2004	Year of Latest SA Fund	2004
PROJECT 139-131-01 CONSTRUCTED IN 2004	Comments	PROJECT 139-131-01 CONSTRUCTED IN 2004
2015 COMBINED THIS SECTION WITH 020		2015 COMBINED THIS SECTION WITH 020

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.82 * 10176 * 14.18	\$118,322
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.82 * 3978 * 65	\$212,027
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.82 * 17698 * 9.36	\$135,836
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.82 * 174800	\$143,336
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.82 * 5.66 * 5280 * 10	\$245,055
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.82 * 100000	\$82,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.82 * 16.36 * 5280 * 2	\$141,665
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	1078241 * 0.220	\$237,213
Total				\$1,315,454

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name :

MARSHALL

Segment Nbr : 139-131-030

Original

Current

WINDSTAR AVENUE
T.H. 59 TO 380 FT +/- EAST
0.05
Improved
Undivided
0
1000
3 (500 - 1999)

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

WINDSTAR AVENUE
T.H. 59 TO 380 FT +/- EAST
0.07
Improved
Undivided
0
710
3 (500 - 1999)
2018

N
N
N
0

N
N
N

ADDED TO STATE AID IN 2007

Comments

ADDED TO STATE AID IN 2007

THE 380' HAS BEEN MOVED FROM
NON EXISTING ON THE MILEAGE
CERTIFICATION TO UNIMPROVED
0.05 MILES

THE 380' HAS BEEN MOVED FROM
NON EXISTING ON THE MILEAGE
CERTIFICATION TO UNIMPROVED
0.05 MILES

STREET CONSTRUCTED IN 2009
BEGINNING 380 FT FROM T.H 59
EAST TO CLARICE
SAP 139-131-003

STREET CONSTRUCTED IN 2009
BEGINNING 380 FT FROM T.H 59
EAST TO CLARICE
SAP 139-131-003

THIS SEGMENT WAS
CONSTRUCTED IN 2015 WITH CITY
FUNDS.

THIS SEGMENT WAS
CONSTRUCTED IN 2015 WITH CITY
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	0.07 * 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 :

MARSHALL

Segment Nbr : 139-131-040

Original

Current

WINDSTAR AVENUE
 380 FT +/- EAST OF T.H. 59 TO
 CLARICE AVENUE
 0.15
 Improved
 Undivided
 0
 50
 2 (1 - 499)
 2010
 N
 N
 N
 2009
 ADDED TO STATE AID IN 2007

 STREET CONSTRUCTED IN 2009
 EXCEPT FOR THE FIRST 38 FT +/-
 FROM T.H. 59
 THIS CONNECTION IS TO BE
 COMPLETED WHEN TRAFFIC
 WARRANTS.
 SAP 139-131-003

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

WINDSTAR AVENUE
 380 FT +/- EAST OF T.H. 59 TO
 CLARICE AVENUE
 0.14
 Improved
 Undivided
 0
 710
 3 (500 - 1999)
 2018
 N
 N
 N
 2009
 ADDED TO STATE AID IN 2007

 STREET CONSTRUCTED IN 2009
 EXCEPT FOR THE FIRST 38 FT +/-
 FROM T.H. 59
 THIS CONNECTION IS TO BE
 COMPLETED WHEN TRAFFIC
 WARRANTS.
 SAP 139-131-003

STATEAID MILEAGE SHOWS THIS
 SEGMENT AS 0.20 MILES. THAT
 SHOULD BE CHANGED TO BE 0.15
 MILES. THIS SHOULD RECONCILE
 THE MILEAGE. IT IS SHOWN HERE
 AS 0.15 MILES. KRJ

STATEAID MILEAGE SHOWS THIS
 SEGMENT AS 0.20 MILES. THAT
 SHOULD BE CHANGED TO BE 0.15
 MILES. THIS SHOULD RECONCILE
 THE MILEAGE. IT IS SHOWN HERE
 AS 0.15 MILES. KRJ

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 : Revised

City Name : **MARSHALL** Segment Nbr : 139-132-010

Original		Current
CLARICE AVENUE	Street Name	CLARICE AVENUE
WINDSTAR STREET TO TH 23	Termini	WINDSTAR STREET TO TH 23
0.84	Length	0.85
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
2700	Present AADT	2850
4 (2000 - 4999)	Traffic Group Code	4 (2000 - 4999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
2010	Year of Latest SA Fund	2010
ADDED TO STATE AID IN 2007. CONSTRUCTED IN 2009 SAP 139-132-001 2015 COMBINED THIS SECTION WITH SECTION 020	Comments	ADDED TO STATE AID IN 2007. CONSTRUCTED IN 2009 SAP 139-132-001 2015 COMBINED THIS SECTION WITH SECTION 020

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 4	Length * Quantity * UnitCost	0.85 * 19628 * 14.18	\$236,576
Bituminous	MSAS Bituminous Cost Group 4	Length * Quantity * UnitCost	0.85 * 4773 * 65	\$263,708
Excavation	MSAS Excavation Cost Group 4	Length * Quantity * UnitCost	0.85 * 25188 * 9.36	\$200,396
Storm Sewer	MSAS Storm Sewer Cost Group 4	Length * UnitCost	0.85 * 184000	\$156,400
Sidewalk	MSAS Sidewalk Cost Group 4	Length * UnitCost * FeetPerMile * SidewalkWidth	0.85 * 5.66 * 5280 * 10	\$254,021
Street Lighting	MSAS Street Lighting Cost Group 4	Length * UnitCost	0.85 * 100000	\$85,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 4	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.85 * 16.36 * 5280 * 2	\$146,847
Signal Leg	MSAS Traffic Signals Cost Group 4	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	1342948 * 0.220	\$295,449
Total				\$1,638,397

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : **MARSHALL** Segment Nbr : 139-133-010

Original		Current
MADRID STREET	Street Name	MADRID STREET
460' WEST OF CHANNEL PARKWAY TO CHANNEL PARKWAY	Termini	460' WEST OF CHANNEL PARKWAY TO CHANNEL PARKWAY
0.09	Length	0.09
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	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
0	Year of Latest SA Fund	
ADDED TO STATE AID IN 2007. THIS SECTION IS IN A UNPLATTED SECTION OF THE CITY. THE LENGTH MAY CHANGE WITH FINAL PLATTING OF THE STREETS.	Comments	ADDED TO STATE AID IN 2007. THIS SECTION IS IN A UNPLATTED SECTION OF THE CITY. THE LENGTH MAY CHANGE WITH FINAL PLATTING OF THE STREETS.
THIS SEGMENT IS IN THE NON-EXIST SECTION IF THE 2009 MILEAGE CERTIFICATION		THIS SEGMENT IS IN THE NON-EXIST SECTION IF THE 2009 MILEAGE CERTIFICATION
BRIDGE WAS BUILT IN 2011 WITH MNDOT AERONOTICS FUNDS		BRIDGE WAS BUILT IN 2011 WITH MNDOT AERONOTICS FUNDS
STREET WAS CONSTRUCTED IN 2012 WITH AERONAUTIC FUNDS		STREET WAS CONSTRUCTED IN 2012 WITH AERONAUTIC FUNDS

Segment Override

Bridge Information

Status: Original

Original		Current
42566	Structure Number	42566
0.02	Milepoint	0.02
REDWOOD RIVER	Feature Crossed	REDWOOD RIVER
168	Structure Length	168
2011	Year Built	2011
	Comments	
BRIDGE	Bridge Type	BRIDGE
1 (0 - 0)	Bridge Group	2 (1 - 499)

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 2	Length * Quantity * UnitCost	0.09 * 4691 * 14.18	\$5,987
Bituminous	MSAS Bituminous Cost Group 2	Length * Quantity * UnitCost	0.09 * 3182 * 65	\$18,615
Excavation	MSAS Excavation Cost Group 2	Length * Quantity * UnitCost	0.09 * 12496 * 9.36	\$10,527
Storm Sewer	MSAS Storm Sewer Cost Group 2	Length * UnitCost	0.09 * 165500	\$14,895
Sidewalk	MSAS Sidewalk Cost Group 2	Length * UnitCost * FeetPerMile * SidewalkWidth	0.09 * 5.66 * 5280 * 5	\$13,448
Street Lighting	MSAS Street Lighting Cost Group 2	Length * UnitCost	0.09 * 100000	\$9,000

Curb and Gutter	MSAS Curb And Gutter Cost Group 2	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.09 * 16.36 * 5280 * 2	\$15,549
Signal Leg	MSAS Traffic Signals Cost Group 2	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Bridge	MSAS Bridge TGC Group 2	BridgeLength * NeedsWidth * UnitCost	168 * 28 * 95.2	\$447,821
Engineering Cost		Percent of costs	535842 * 0.220	\$117,885
Total				\$653,727

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Original

City Name :

MARSHALL

Segment Nbr : 139-134-010

Original

Current

AIRPORT INDUSTRIAL ROAD

Street Name

AIRPORT INDUSTRIAL ROAD

MADRID STREET TO TH 68

Termini

MADRID STREET TO TH 68

0.62

Length

0.62

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

ADDED TO STATE AID IN 2007. THIS SECTION IS IN A UNPLATTED SECTION OF THE CITY. THE LENGTH MAY CHANGE WITH FINAL PLATTING OF THE STREETS. THE NORTH 0.23 FROM W. CHANNEL RD. TO TH 68 IIS OUTSIDE THE CITY LIMITS AND NOT INCLUDED IN SEGMENT LENGTH. WHEN ANNEXED, IT IS THE CITY'S RESPONSIBILITY ADD THE 0.23 TO THIS LENGTH.

Comments

ADDED TO STATE AID IN 2007. THIS SECTION IS IN A UNPLATTED SECTION OF THE CITY. THE LENGTH MAY CHANGE WITH FINAL PLATTING OF THE STREETS. THE NORTH 0.23 FROM W. CHANNEL RD. TO TH 68 IIS OUTSIDE THE CITY LIMITS AND NOT INCLUDED IN SEGMENT LENGTH. WHEN ANNEXED, IT IS THE CITY'S RESPONSIBILITY ADD THE 0.23 TO THIS LENGTH.

THIS SEGMENT REMAINS IN THE NON-EXIST SECTION OF THE 2009 MILEAGE CERTIFICATION

THIS SEGMENT REMAINS IN THE NON-EXIST SECTION OF THE 2009 MILEAGE CERTIFICATION

Segment Override

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 1	Length * Quantity * UnitCost	0.62 * 4346 * 14.18	\$38,208
Bituminous	MSAS Bituminous Cost Group 1	Length * Quantity * UnitCost	0.62 * 2917 * 65	\$117,555
Excavation	MSAS Excavation Cost Group 1	Length * Quantity * UnitCost	0.62 * 11655 * 9.36	\$67,636
Storm Sewer	MSAS Storm Sewer Cost Group 1	Length * UnitCost	0.62 * 162400	\$100,688
Sidewalk	MSAS Sidewalk Cost Group 1	Length * UnitCost * FeetPerMile * SidewalkWidth	0.62 * 5.66 * 5280 * 5	\$92,643
Street Lighting	MSAS Street Lighting Cost Group 1	Length * UnitCost	0.62 * 100000	\$62,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 1	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.62 * 16.36 * 5280 * 2	\$107,112
Signal Leg	MSAS Traffic Signals Cost Group 1	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	585842 * 0.220	\$128,885
Total				\$714,727

SANEEDS - MSAS - Segment Report

Roadway Segment Information

Status : Revised

City Name : **MARSHALL** Segment Nbr : 139-135-010

Original		Current
STATE STREET	Street Name	STATE STREET
BIRCH STREET TO AMIRET STREET AT T.H. 23	Termini	BIRCH STREET TO AMIRET STREET AT T.H. 23
0.38	Length	0.41
Improved	Existing Roadway Type	Improved
Undivided	Existing Lane Description	Undivided
0	Existing Number of Signal Legs	0
1500	Present AADT	1250
3 (500 - 1999)	Traffic Group Code	3 (500 - 1999)
2014	Year of AADT Count	2018
N	Common Boundary Designation	N
N	Turnback Mileage	N
N	Outside City Limit	N
	Year of Latest SA Fund	
ADDED TO STATE AID 2007	Comments	ADDED TO STATE AID 2007
	Segment Override	

Segment Cost Information

Cost Factor	Unit Cost	Computation Formula or Rule	Equation	Result
Gravel	MSAS Gravel Cost Group 3	Length * Quantity * UnitCost	0.41 * 10176 * 14.18	\$59,161
Bituminous	MSAS Bituminous Cost Group 3	Length * Quantity * UnitCost	0.41 * 3978 * 65	\$106,014
Excavation	MSAS Excavation Cost Group 3	Length * Quantity * UnitCost	0.41 * 17698 * 9.36	\$67,918
Storm Sewer	MSAS Storm Sewer Cost Group 3	Length * UnitCost	0.41 * 174800	\$71,668
Sidewalk	MSAS Sidewalk Cost Group 3	Length * UnitCost * FeetPerMile * SidewalkWidth	0.41 * 5.66 * 5280 * 10	\$122,528
Street Lighting	MSAS Street Lighting Cost Group 3	Length * UnitCost	0.41 * 100000	\$41,000
Curb and Gutter	MSAS Curb And Gutter Cost Group 3	Length * UnitCost * FeetPerMile * NumberOfCurbs	0.41 * 16.36 * 5280 * 2	\$70,832
Signal Leg	MSAS Traffic Signals Cost Group 3	NumOfSignals * UnitCost / 4	0 * 207700 / 4	\$0
Engineering Cost		Percent of costs	539121 * 0.220	\$118,607
Total				\$657,728