

August 2026



Florida Department of Transportation – District One

Technical Scope and LRE

**Technical Scope, Scope Analysis for Social and Environmental
Issues, and Long Range Estimate (LRE) for**

FPID 456242-1-52-01

SR 70 from E. of SR 45 (US 41) to

W. of Tara Blvd.

Manatee County, Florida



Candidate Project RRR Scope

To: Lavenia Toole, PE
 From: Felicia Pannell, PE

RE: SR 70 from E. of SR 45 (US 41) to W. of Tara Blvd. TECHNICAL SCOPE

State Road Number: SR 70
 Section Number: 13162000 and 13160000
 County: Manatee County
 Project Limits: SR 70 from E. of SR 45 (US 41) to W. of Tara Blvd.
 Begin MP/End MP: 0.013 to 1.761 (13162000) and 0.000 to 4.793 (13160000)
 Section Equation: 1.761 (13162000) = 0.000 (13160000)
 Project Length: 6.541 miles
 FPID No.: 456242-1
 Work Mix: 0012 (Resurfacing)
 Criteria: Current Manuals and Design Standards for 26/27

1. Existing R/W Map Project Numbers:	1354-150(1953), 13160-2503(1955), 1316-101(1957), 13503-3601(1978), 13160-2502(1992), 13160-2514(1992), 13160-2512(1993), 13160-2515(1993), 13160-2516(1993), 13010-000_4272981(2011), 13162-000_4291041(2012 no plans available)
2. Old Construction Project Numbers:	445144-1_13121_SR683_RRR_MP0.392_MP7.908_FY23 436546-1_13162_SR70_IntImp_MP0.011_MP0.106_FY18 431207-1_13160_SR70_RRR_MP2.495_MP2.495_FY16 431373-1_13160_SR70_RRR_MP2.495_MP4.793_FY16 433372-1_13162_SR70_MP1.082_MP1.240_FY15 429104-1_13162_SR70_POP_MP0.011_MP1.761_FY14 427297-13160_SR70_IntImp_MP2.494, MP2.741_FY13 417342-1_13162_SR70_SW_MP0.009_MP1.630_FY08 196121-1_13160_SR70_AddLanes_MP4.811_MP7.481_FY04 195981-1_13160_SR70_AddLanes_MP1.272_MP2.460_FY98 196085-1_13160_SR70_AddLanes_MP2.461_MP3.578_FY97

	196059-1_13160_SR70_AddLanes_MP3.578_MP4.801_FY97 196096-1_13162_SR740_RRR_MP0.007_MP1.450_FY96 196021-1_13162_13160_FlexRecon_MP1.512_MP0.991_FY95
3. Adjacent Projects:	201032-2_I-75_Interchange_MP3.337_MP4.096_FY18 420618-1_I-75_Interchange_MP3.839_MP3.997_FY09 196121-1_SR70_AddLanes_MP4.811_MP7.481_FY05 457973-1_US41_RRR_MP3.017_MP6.298_FY31 444049-1_US41_Median_MP3.068_MP4.471_FY22 433592-3_US41_Light_MP3.126_MP4.285_FY22 195813-3_US41_RRR_MP3.017_MP5.068_FY08 448390-1_US41_Safety_MP3.004_MP4.277_FY25 XXXXXX-1_13010_US 41_Potential_Concrete_IntImp_MP4.277_TBD
4. Proposed projects within the same limits (such as safety, sidewalk or drainage projects):	455188-1_13160_131620_SR70_Lighting_MP0.000_MP4.793_MP0.000_MP1.761_FY29_Goes-With 455188-2_13160_SR70_Safety_MP4.793_MP6.000_CA
5. Additional R/W Required?	No
6. Level of Community Awareness Plan:	Level 1
7. Are there any bridges within the limits?	Yes; CB Bridge No. 130058, Bridge No. 130144
8. Are there any RR Crossings within the project limits or in the vicinity?	Yes; RR# 624690-D Crossing
9. Are there any Airports within 10-miles?	Yes; Sarasota Bradenton International Airport
10. Storm Water Management Jurisdiction:	Southwest Florida WMD
11. AADT (ESAL Data):	35,500 AADT (2026); Truck % = 7.2 (13162000) 55,100 AADT (2026); Truck % = 8.1 (16160000)
12. Are there any old houses or buildings adjacent to the project?	No
13. Number of Existing Utilities:	15 Utilities: Charter - CATV; City of Bradenton – Sewer, Water; Braden River – Irrigation, Water; Comcast – CATV; Crown Castle NG – Fiber; FDOT D1 ITS – Electric, Fiber; FL Gas Trans – Gas; Florida P&L - Electric; Frontier – CATV, Comm Lines; Manatee County – Traffic Lights/Signals, Reclaimed Water, Sewer, Water; MCI -Comm Lines, Fiber; Teco – Gas; Zayo Group – Fiber; Uniti – Fiber; Tillman – Fiber
14. Preliminary MOT Considerations: (Construction Office will supply this)	TBD TSM&O Operations (Kat Chinault) - TBD

15. Posted/Design/Target Speed Limits	Posted Speed: 40 MPH (MP 0.013 to MP 1.260) (13162000) – Reduced to 35 MPH with Safety Features 40 MPH (MP 1.260 to MP 1.761 (13162000) 40 MPH (MP 0.000 to MP 1.040) (13160000) 45 MPH (MP 1.040 to MP 2.694) (13160000) 50 MPH (MP 2.694 to MP 4.793) (13160000) Design Speed: 40 MPH (MP 0.013 to MP 1.260) (13162000) – Reduced to 35 MPH to match proposed posted speed.) 40 MPH (MP 1.260 to MP 1.761) (13162000) 45 MPH (MP 0.000 to MP 3.624) (13160000) 60 MPH (MP 3.624 to MP 4.793) (13160000) – Reduced to 55 MPH to align with I-75 Interchange Project (201032-2) Target Speed = Posted Speed •
16. SIS Facility? / Context Classification:	No/ C3R (MP 0.013 - MP 1.761) C3C (MP 0.000 - MP 4.793)
17. Access Classification:	6 (MP 0.013 to MP 1.761) 5 (MP 0.000 to MP 3.445) 3 (MP 3.445 to MP 4.793)
18. Resilient Modulus:	29,000 psi (13162000) 32,000 psi (MP 0.000 to MP 1.000) (MP 2.363 to MP 4.793) (13160000) 27,000 psi (MP 1.000 to MP 2.363) (13160000)
19. Smoothness Class (To be included on Typical Section Sheets in Design Plans):	4
20. List Non-ADA Compliant Curb Ramps Identified by Safety: (All ADA items should be evaluated during design when the field review is conducted).	Reference the Arterial Safety Study for a list of recommended short and long term improvements Broken Sidewalk Connection to Transit Stop near 66th Street
21. Safety Top 20:	Yes
22. State Material Review for Pav't Design:	Concurrence received 7/30/25 (See Pav't Description section for further detail.)

Project Location Map:



Project limits:

The proposed limits of the project begin on SR 70 (53rd Avenue E) from East of SR 45 (US 41) at MP 0.013 and proceeds east to 15th Street E (301 Blvd) at MP 1.761 (13162000)/ MP 0.000 (13160000) for 1.748 miles and continues east to west of Tara Blvd. at MP 4.793 (13160000) for a total of 6.541 miles.

Project Description:

- This is a RRR project with milling and resurfacing of the existing mainline travel lanes, crossovers, bike lanes/shoulders, turn lanes, keyholes and any side street connections. Other improvements, included within the project limits of this RRR project and discussed in the SR 70 (53rd Avenue E) Arterial Studies from SR 45 (US 41) at MP 0.000 to E of 87th Street at MP 6.000 are as follows:
 - Providing hardened centerlines with ramp reconstruction where needed.
 - Updating signing and pavement markings to meet current criteria and improve safety as listed in the Signing and Pavement Marking Scope Items of this report.
 - Updating signals per the current RRR criteria and inclusion of a proposed mast arm signal structure at 1st Street E (MP 0.770) as listed in the Signalization Scope Items of this report.
 - Providing median modifications to allow pedestrians refuge opportunities and reduce the angle crashes as discussed in the Access Management Scope Items of this report. (Safety Funded)

- o Providing sidewalk and curb ramp improvements as listed in the Multi-Modal Scope Items of this report. (Safety Funded).
 - o Installing crosswalks and pedestrian facilities on all legs of the signalized intersections.
 - o Providing safety countermeasures such as raised speed tables and Pedestrian Hybrid Beacons (PHB's) at several locations throughout the limits and discussed in this report.
 - o Replacing the loops the Traffic Monitoring Site 0333 at MP 4.200.
- The following Safety Study improvements were eliminated as a result of the TRM on 9/29/25:
 - o Curb radius reductions at several side streets due to the crash data not supporting the improvement at that location.
 - o Gore area removal due to the lack of crash data and higher priorities throughout the district.
 - o Sidewalk and curb ramps inclusion along the north side of SR 70 (53rd Avenue E) from SR 45 (US 41) to 5th Street Cr W due to the lack of right-of-way.
 - o Inclusion of one (1) PHB just east of 8th Street Ct W because of the sidewalk not being feasible at that location.
- Please reference Approved Typical Section Package (TSP) for lane configurations.
- The Context/Typical Section and Target Speed Meetings were held on 5/28/25 and 5/30/25 respectively. There were no changes made to the existing roadway geometry during the Context Meeting. During the Speed Meeting it was suggested to reduce the design speed and posted speed from 40 mph to 35 mph from SR 45 (US 41) at MP 0.000 to 9th Street E at MP 1.260 because of the safety countermeasures being constructed as part of this project. The design speed will remain at 45 mph even though the posted speed is 50 mph from east of 45th Street E/Lockwood ridge Rd at MP 2.694 to just west of Caruso Rd/60th Street E at MP 3.624. It was also suggested that the design speed be reduced from 60 mph to 55 mph to be more aligned with the I-75 Interchange project (FPID 201032-2) from just west of Caruso Rd at MP 3.624 to the end of the project at MP 4.793, where the posted speed is 50 mph. The target speeds were set to match the proposed posted speeds.

Roadway Scope Items:

- Two (2) Arterial Safety Study were completed along SR 70 (53rd Avenue E) from SR 45 (US 41) at MP 0.000 (13162) to 15th Street E (301 Blvd) at MP 1.761 (13162) in March of 2025 and from 15th Street E (3010 Blvd) at MP 0.000 (13160) to E. of 87th Street E at MP 6.000 (13160) in May of 2026. Improvements within our project limits, which ends just west of Tara Blvd at MP 4.793, have been included in this report under the 52-02 Safety funded sequences of the LRE. The improvements outside our project limits from west of Tara Blvd at MP 4.793 (13160) to 87th Street E. at MP 6.000 will be included under a separate project FPID 455188-2, which is currently in Candidate status.
- The construction of all corridor, intersection, and mid-block lighting within our project limits from SR 45 (US 41) at MP 0.000 (13162) to west of Tara Blvd at MP 4.793 (13160) will be included under Safety Project FPID 455188-1, which will be a "Goes-With" to this RRR. The survey for the limits of this RRR project has been completed under FPID 455188-1.
- This proposed SR 70 RRR project segment was milled and resurfaced in:
 - o 2014 (MP 0.011 to MP 1.761, Roadway Section 13162) under FPID 429104-1-52-01.
 - o 2016 (MP 0.015 to MP 2.495, Roadway Section 13160) under FPID 431207-1-52-01.
 - o 2016 (MP 2.495 to MP 4.793, Roadway Section 13160) under FPID 431373-1-52-01.
- The typical section in the as-built plans show (13) thirteen horizontal curves. The typical section in the as-built plans also calls for the cross slope to match existing. Design should re-evaluate cross slopes and superelevation during the plans preparation period to determine if corrections will be

required.

- The ESAL calculations as well as Resilient Module value have been provided in the table at the front of this report. The FDOT will need to perform the Pavement Coring Report for the pavement design. Any pavement design used in this scope evaluates preliminary traffic data projections, preliminary projected ESAL's, old as-built information, and is used for budget purposes only. The State Materials office did review the preliminary pavement design used in this scope to ensure the milling depth used in the LRE is sufficient to cover the project cost until a Pavement Coring Report can be completed.
- There will not be any contingency in the LRE budget for any of the concrete items (curb and gutter, sidewalk, separators, etc.) unless it has been identified in the Arterial Safety Studies. Design will need to evaluate those items found and not identified in the study for any repairs/non ADA compliancy and present the list of items to the District Design Engineer for approval. Once approved, then design will look for funding if not already covered.

Pavement Description:

Mainline Milling and Resurfacing:

- For budget purposes, the LRE assumes mainline through lanes, crossovers, and turn lanes throughout the project limits along with the buffered bike lanes from 15th Street E (301 Blvd) at MP 0.000 to just W. of Caruso Rd/60th Street E at MP 3.624 be milled 3 ½" and resurfaced with 2" SP 12.5 (Traffic C, PG 76-22) and 1 ½" FC-12.5 (Traffic C, PG 76-22).
- The Material Office concurred with our pavement design on July 30, 2025. They noted to keep PG76-22 in SP Layer due to mitigate reflective cracking. They also noted that in the area with no curb and gutter, where the design speed is greater than or equal to 55 mph and open graded friction course exists, the milling depth could be reduced to 2 ¾" and resurfaced with 2" Type SP 12.5 (Traffic C, PG 76-22) and ¾" FC-5 or FC-7.

Side Street Milling and Resurfacing:

- There are 90 existing asphalt side streets shown on the Straight-Line Diagram. For budget purposes, the side streets are recommended to be milled 1½" and resurfaced with 1½" SP-12.5 (Traffic C, PG 76-22). In accordance with the FDM Chapter 214 and the Standard Plans Index 330-001, it is recommended that all side streets be resurfaced to the back of the furthest return, right of way, or existing pavement joint, whichever is greater.

Shoulder Milling and Resurfacing:

- For budget purposes, the LRE assumes the paved shoulders from just west of Caruso Rd at MP 3.624 to the end of the project limits at MP 4.793 be milled 1 ½" and resurfaced with 1 ½" FC-12.5 (Traffic C, PG 76-22). The shoulders are currently marked as bike lanes but will not continue to be marked as bike lanes according to Section 223.2.1 of the FDM.

Keyhole Widening:

- A keyhole is required in accordance with the FDM Chapter 223.1, section 223.2.1.3. Since there are no existing bicycle lanes along the roadway where no keyholes exist, widening for keyhole lanes is not recommended. A design variation will be required for the right turn lanes to remain with no keyhole.

Location	Existing keyhole? (Yes or No)	Recommend adding keyhole? (Yes or No)
*WB right turn lane at 5 th St W	No	No
*EB right turn lane at Winn-Dixie Entrance	No	No
*WB right turn lane at Robert Toale Funeral	No	No
WB right turn lane at 301 Blvd E	Yes	N/A
WB right turn lane at 26 th St E	Yes	N/A
EB right turn lane at US 301	Yes	N/A
WB right turn lane at US 301	Yes	N/A
EB right turn lane at 30 th St E	Yes	N/A
EB right turn lane at RaceTrac	Yes	N/A
EB right turn lane at 33 rd St E	Yes	N/A
WB right turn lane at 33 rd St E	Yes	N/A
WB right turn lane at Office Park Blvd	Yes	N/A
EB right turn lane at Publix	Yes	N/A
EB right turn lane at Publix	Yes	N/A
EB right turn lane at Lockwood Ridge Rd	Yes	N/A
WB right turn lane at Lockwood Ridge Rd	Yes	N/A
EB right turn lane at Walmart	Yes	N/A
EB right turn lane at Caruso Rd	Yes	N/A
WB right turn lane at Caruso Rd	Yes	N/A
WB right turn lane at Mavis Tires	Yes	N/A
WB right turn lane at Manatee Technical	Yes	N/A
EB right turn lane at 63 rd St E	Yes	N/A
WB right turn lane at 66 th St E	Yes	N/A
WB right turn lane at 68 th St E	Yes	N/A
EB right turn lane at Fairway Gardens	Yes	N/A
WB right turn lane at 71 st St E	Yes	N/A

Hardened Centerlines:

- For budget purposes, the LRE assumes hardened centerlines improvements at all the signalized locations. Evaluation is needed during design to further investigate whether the hardened centerlines will be incorporated at locations where the ramps will need to be reconstructed which include 5th Street W, 9th Street E, 30th Street E, 33rd Street E, 37th Street E, 39th Street E, and 45th Street E/Lockwood Ridge Rd signalized intersections. If during design, the accommodation cannot be made, the LRE can be adjusted and the latest FDM criteria stated in Section 210.3.3 of the FDM will be followed.
- Incorporating hardened centerlines at the above locations involves reconstructing the radial curb ramps and providing new pedestrian signals at the following locations:
 - o Both ramps across the north leg of 5th Street W
 - o Both ramps across all the legs of 9th Street E and SR 70 (53rd Avenue E)
 - o NW ramp across the west leg of SR 70 (53rd Avenue E) at 30th Street E
 - o Both ramps across the south leg of 33rd Street E
 - o Both ramps across the north leg of 37th Street E
 - o SE ramp across the east leg of SR 70 (53rd Street E) at 39th Street E
 - o Both ramps across the north and west legs of SR 70 (53rd Avenue E) and 45th Street E/Lockwood Ridge Rd

Horizontal Curves/Superelevation:

- The design speeds of 45 mph and 55 mph listed in the table below match the approved Typical Section Package (TSP). The existing design curve data in the table below were compared with FDM Tables 210.9.1 and 210.9.2. All existing curve superelevation meets new construction values. Therefore, superelevation rate correction is not required. It is recommended that the design engineer analyze curve data superelevation rates based on the actual field survey to verify minimum criteria is met.

Curve No.	DS (mph)	SLD PC MP	SLD PT MP	Degree of Curvature/ Deflection Angle	As-built Radius (ft)	As-built SE (e)	FDM SE (e)
1	45	1.259	1.440	D = 00° 13' 00" Δ = 02° 13' 02"	24,731.49	NA (SLD)	NC
2	45	1.440	1.512	D = 02° 02' 00" Δ = 02° 02' 16"	10,621.26	NA (SLD)	NC
3	45	1.734	1.761	D = 02° 30' 00" Δ = 08° 56' 43"	7,639.44	NA (SLD)	NC
4	45	1.877 (calc'd)	2.00 (calc'd)	D = 00° 45' 00" Δ = 04° 45' 30"	7,639.44	NA (SLD)	NC
5	45	1.554 (calc'd)	1.669 (calc'd)	D = 00° 30' 00" Δ = 03° 01' 32"	11,459.16	NC	NC
6	45	1.652 (calc'd)	1.766 (calc'd)	D = 00° 30' 00" Δ = 03° 01' 32"	11,459.16	NC	NC
7	45	2.049	2.15	D = 04° 00' 00" Δ = 19° 44' 41"	1,432.40	RC	RC
8	45	2.263	2.35	D = 04° 00' 00" Δ = 19° 59' 31"	1,432.39	RC	RC
9	45	2.881 (calc'd)	2.997 (calc'd)	D = 00° 30' 00" Δ = 02° 15' 47"	11,459.16	NC	NC
10	45	3.269 (calc'd)	3.352 (calc'd)	D = 00° 45' 00" Δ = 02° 12' 36"	7,639.44	NC	NC
11	45	3.454 (calc'd)	3.545 (calc'd)	D = 01° 45' 00" Δ = 08° 25' 58"	3,274.04	NC	NC
12	55	3.595 (calc'd)	3.704 (calc'd)	D = 01° 45' 00" Δ = 08° 17' 32"	3,274.04	0.030	0.025
13	55	4.327	4.510	D = 02° 01' 21" Δ = 19° 20' 52"	2,832.79	0.056	0.048

Access Management Scope Items:

- The proposed typical section will provide for 11-ft travel lanes and a 2-ft wide buffer within the median, to allow for a 2-ft wide separation where raised traffic separators and raised speed tables can be installed from SR 45 (US 41) and 9th Street E to support speed management and improve safety.
 - For budget purposes, the LRE assumes nine (9) speed tables be constructed using safety funds between SR 45 (US 41) and 9th Street E where the posted speed was reduced to 35 mph. Construct raised speed tables at approximately 500-ft intervals where feasible.
 - Currently there is a 2-ft wide slotted separator along SR 70 (53rd Avenue E) from SR 45 (US 41) to west of the driveway adjacent to 11th Street Ct W that restrict vehicles from turning left out of the shopping plaza and therefore reducing the angle crashes at the plaza. Look to extend the 2-ft separator approximately 200-ft west to also restrict the left turn movement out of the driveway west of 11th Street Ct W.
 - For budget purposes, the LRE assumes a 2-ft wide traffic separator be installed using safety funds along SR 70 (53rd Avenue E) from 3rd Street W to the first south driveway east of 3rd Street E, approximately 300 feet, to prohibit side street left turn movements out of 3rd Street W.
 - For budget purposes, a 2-ft wide traffic separator will be installed just east of 4th Street E, where a raised speed table with PHB will also be installed.
- For budget purposes, the LRE assumes the two-way left-turn lane between 9th Street E and 15th Street E (301 Blvd) be converted to a raised median/traffic separator with left turn lanes at the Winn Dixie Entrance, 11th Street E/11th Street Cr E, Forest Park Entrance, Tropical Gardens RC Park Ent, and Robert Toole & Sons Memorial Ent to provide pedestrian refuge opportunities utilizing safety funds. A raised median with PHB will also be constructed east of 11th Street E/11th Street Cr E between the left turn into the Forest Park Entrance and the left turn into Tropical Gardens RV Park. The LRE includes the widening on the north side of SR 70 from 11th Street E/11th Street Cr E to the gore area near the Tropical Gardens RV Park entrance at MP 1.502 to accommodate the raised 2-ft wide separator.
- For budget purposes, the LRE assumes installing an unsignalized RCUT at the intersections of SR 70 (53rd Avenue E) at 18th Street Boulevard E, 24th Street E and 66th Street E utilizing safety funds. Note that the RCUT proposed at 66th Street includes a partial left turn lane offset which is a variation from the Standard Plans. The flashing signal at 24th Street E is included in the LRE to be removed as part of the RCUT installation.

Multi-Modal Scope Items:

- Sidewalks 5-ft to 6-ft in width currently exists along both sides of SR 70 (53rd Avenue E) except for along the north side from just east of SR 45 (US 41) to 5th Street W where the right-of-way does not allow for a 6-ft sidewalk to be constructed at the back of curb. For budget purposes the LRE assumes the following sidewalk improvements be constructed using safety funds in accordance with the Americans with Disabilities Act (ADA), Chapter 222 of the FDM, and Standard Plans Index 522-001:
 - Remove the 6-ft wide concrete sidewalk, along the north side of SR 70 (53rd Avenue E), at the back of curb between the first driveway east of SR 45 (US 41) to the second driveway east of SR 45 (US 41) to eliminate the existing ADA issue where the right-of-way is constrained.
 - Construct a 6-ft wide concrete sidewalk, along the north side of SR 70 (53rd Avenue E), at the back of curb between 5th Street Circle W and 5th Street W where the right-of-way allows.

- Sidewalks meandered outside the right-of-way and curb ramps with no sidewalk connections exist predominately along the north side of SR 70 (53rd Avenue E) from 5th Street W to 9th Street E with some other locations throughout. This in turn causes multiple curb ramps to serve the same side street crossings. A License Agreement should be pursued along the north side of SR 70 (53rd Avenue E) at 3rd Street W to connect the bus stop within the existing right-of-way to the sidewalk outside the right-of-way and at the NE and NW corners of 4th Street East and 5th Street E to connect the curb ramps within the existing right-of-way to the sidewalks outside the existing right-of-way. For budget purposes the LRE assumes the following locations be improved using safety funds to consolidate the ramps into a single access point:
 - 8th Street Ct W (south side) - Connect the east sidewalks and eliminate a ramp.
 - Between 4th Street E and 5th Street E (north side) - Construct a 6-ft wide sidewalk between the ramps of 4th Street E and 5th Street E, if a License agreement cannot be obtained.
 - 11th Street Circle E (south side) – Remove the deceleration and acceleration lanes to allow for a direct connection between the curb ramps on each side due to a “Heatherwood” entrance sign blocks the current connection.
- The signalized locations where the ramps are shared and new ramps are being constructed due to new crosswalks being added, as well as unsignalized locations where ramps need to be reconstructed to better accommodate right turns or shorten the pedestrian crossing distances are to be replaced in accordance with the Americans with Disabilities Act (ADA), Chapter 222 of the FDM, and Standard Plans Index 522-002. For budget purposes, the LRE assumes all detectable warning truncated domes be replaced to meet the latest design standards. The LRE also assumes the following ramps/pedestrian features be reconstructed using safety funds:
 - Proposed ramps needed for east leg crosswalk at 5th Street W
 - Ramps in the NE corner of 5th Street W needed to accommodate right turns
 - Ramp in the NE and SE corners of 1st Street needed to shorten the crossing distance
 - Proposed ramps needed for east leg crosswalk at 22nd Street E
 - Ramps in remaining corners of 22nd Street E needed for shared ramp in NW corner
 - Shared ramps in the SW corner of 30th Street E
 - Shared ramps in all the corners of Natalie Way
 - East ramp on the south side of SR 70 (53rd Avenue E) at Tropical Gardens Drive needed to shorten the crossing distance
- Buffered bike lanes 6-ft in width currently exist along both sides of the road from 15th Street E (301 Blvd) to east of 56th Court E at MP 3.624 and paved shoulders exist along both sides of the road from east of 56th Court E and the I-75.
 - The paved shoulders will not be marked as bike lanes due to the high speed.
 - For budget purposes the LRE assumes a connection between the end of the bicycle lane and sidewalk on the north side of SR 70, approximately 550 feet east of 11th Street E/11th Street Cr E using safety funds.
- There are several transit stops within the project limits that appear to be in good condition with a boarding area. For budget purposes the LRE assumes the repair of a cracked sidewalk connection along the north side of SR 70 (53rd Avenue E) at 66th Street E that was requested by transit.

Design Variation/Exception:

- A design variation will be required for no bicycle facilities/keyholes per Section 223 of the FDM from SR 45 (US 41) to 15th Street E (301 Blvd).

Drainage Scope Items:

- No widening is needed for keyholes to be constructed.
- There is a pavement patch adjacent to an inlet on the south side of the roadway along the cemetery property, west of 15th Street East (301 Blvd). The LRE assumes a curb inlet at this location.
- The existing curbline east of 11th Street E/11th Street Cr E will need to be widened to the north side of SR 70 (53rd Avenue E) for approximately 300 feet to accommodate for the median separation. For budget purposes, the LRE assumes the existing inlets three (3) within the existing curb line are to be modified to manholes and connected to proposed Type P-5 Inlets within the proposed curbline using safety funds. Inlets are to be connected to partial manholes with 18" pipe and stormwater to continue to convey into existing closed system.
- The radius return on the east side of 1st St requires existing inlet top to be changed to partial manhole and installation of a Type P-5 Inlet within new curbline. Inlets to be connected by proposed 18" pipe and stormwater to continue to convey into existing closed system.
- There are no other apparent drainage issues; however, include a rainy-day visit to determine whether drainage facilities are functioning correctly and provide positive drainage.

Permitting/Environmental Scope Items:

- Coordinate with FDOT for determination of Environmental Permits for review and concurrence during the design process, considering the below descriptions of work and conditions;
 - Conduct an on-site environmental assessment including wetland delineation.
 - Records indicate that rare species or suitable habitat may exist within or near the project limits. For additional information please see the attached Scope Analysis for Social and Environment Issues.
- This project is anticipated to be exempt from WMD permitting under FAC 62-330.051 (4)(c), as it is limited to pavement resurfacing and safety modifications. A permit exemption request will be needed.

Utility Scope Items:

- SUE will need to be included as part of this project.

Signing Scope Items:

- All existing signing should be evaluated for possible replacement to ensure signs meet current design criteria for size, placement, and reflectivity. See FDOT Standard Plans, FDOT Design Manual (FDM), Traffic Engineering Manual (TEM), and/or Manual on Uniform Traffic Control Devices (MUTCD) for guidelines. Update school area signing to the latest FDOT Speed Zoning Manual.
- Ensure the speed signs (R2-1) are per criteria placed on the shoulder and median and that the speed limits signs are updated to 35 mph from SR 45 (US 41) to 9th Street E.
- Ensure all wrong way treatment at major unsignalized and all signalized intersections are per criteria.
- To restrict left turn movements, install stop signs with right turn only plaques (R1-1/R3-5) at the driveway just west of 11th Street Ct W and 3rd Street W.
- Install "No Pedestrian Crossing Symbol" with "Use Crosswalk" plaques (R9-3/R9-3bP) on each side of the eight (8) speed tables from SR 45 (US 41) to 9th Street E. The remaining speed table will include a PHB and be marked as such.
- Install speed hump signs (W17-2 Mod) upstream and downstream of each speed hump location.

- Install pedestrian sign with ahead plaques (W11-2/W16-9P) upstream and downstream of each PHB location.
- Install pedestrian sign with downward arrow plaque (W11-2/W16-7P) at both PHB locations. The location east of 11th Street E/11th Street Cr E will be separated by a grassed median and therefore be signed on both sides of the roadway and median.
- Install the signing needed for the proposed signal at 1st Street.
- Install R10-15a (Turning Vehicles Stop for Pedestrians) signs on the approaches at all signalized locations. Install two (2) overhead signs on the EB and WB directions at 15th Street E (301 Blvd), one (1) on the NB approach at 22nd Street E and replace the other three (3) R10-15 (Turning Vehicles Yield to Pedestrians) signs at 22nd Street E with overhead R10-15a signs. Install two (2) ground mounted R-10a signs on the WB and SB approaches at 5th Street W, four (4) on all the approaches of SR 45 (US 41), and all the remaining approaches of the other signalized locations except for SR 683 (US 301) where the NB and SB signs were installed under FPID 445144-1 in FY 23.
- There are eleven existing two-post signs and are several existing single-post cantilever guide signs within the project limits that should be evaluated for replacement. If replaced, it appears that there is adequate right-of-way to install at least six of the existing advance street name signs on standard two-post assemblies. These locations are:
 1. 22nd St. Ct. E NEXT SIGNAL, eastbound SR 70 in the SW corner of 18th St. Blvd. E.
 2. 30th St E. NEXT SIGNAL, eastbound SR 70 in the SE corner of US 301
 3. 33rd St. E. NEXT SIGNAL, eastbound SR 70 east of 30th St. E.
 4. 30th St. E. NEXT SIGNAL, westbound SR 70 west of 33rd St. E.
 5. 33rd St. E. NEXT SIGNAL, westbound SR 70 west of 37th St. E.
 6. 37th St. E. NEXT SIGNAL, westbound SR 70 east of Perida Blvd.
- Advance street name signs currently do not exist for the SR 683 (US 301) signal. Install advance street name signs for the EB and WB approaches.
- The WB advanced street name sign for 9th Street E will be impacted with the widening for the 2-ft separator between 11th Street E/11th Street Ct E at MP 1.419 to the gore area near the Tropical Gardens RV Park entrance at MP 1.501 and need replacement.
- Install Bike Lane Ends sign (R3-17/R3-17 BP) on the north side of SR 70 for the bicycle lane which ends approximately 550-ft east of the 11th Street E/11th Street Circle E intersection.

Pavement Marking Scope Items:

- Reapply pavement markings, provide crosswalk markings at all signalized intersections/midblock crossings, and upgrade school area markings to the latest FDOT Speed Zone Manual.
- Add crosswalks with high emphasis markings to the east leg of both the 5th St W and 22nd St Ct signalized intersections and to all legs of the proposed 1st Street signal.
- Include high emphasis crosswalk markings at the following side streets/driveways using safety funds: 8th Street Ct W (south side), Chateau Lane W (south side), 5th Street Cr. W (north side), 3rd Street W (both sides), 3rd Street E (south side), 4th Street E (north side), 5th Street E (both sides), 6th Street E (south side), 7th Street E (south side), B Street (south side), Winn Dixie Ent (south side), 11th Street E (both sides), Tropical Gardens RV Park (south side), 15th Street Ct E (south side), 16th Street E (south side), 18th Street Blvd E (south side), 24th Street E. (both sides), 31st Street Ct E (north side), Peridia Boulevard E (north side), Walmart Entrance (south side), 66th Street E (north side), and Fairway Gardens Dr (south side).
- Enhance the median noses throughout the study area with RPMs for improved nighttime visibility per FDOT Standard Plans Index 706-001.

- Add yellow retroreflective panels to the utility pole in the SW corner of 15th Street E (301 Blvd). The utility pole on the corner has damage from being struck by large vehicles attempting the eastbound right turn.
- Include markings for the proposed signal at 1st Street, the eight (8) speed tables, and the two (2) PHBs.
- Due to the design speed being greater than 50 mph from west of Casuso Rd/60th Street ED at MP 3.624 to the end of the project, Audible and Vibratory Treatment (AVT) is required for the flush shoulders. Use sinusoidal rumble strips for AVT.
- Include Railroad Dynamic Envelope (RDE) preformed markings at RR Xing #624690-D, MP 0.258 (Sect. 13160000).
- Provide yellow lane extension markings for the minor street left-turns into the directional median openings to delineate the allowable movements more clearly and add lane extension skip striping at signalized intersections with through lane deflection. This includes southbound at 33rd Street E and northbound at Caruso Road/60th Street E.

Signalization Scope Items:

Signal scoping items and recommendations are limited to the following:

- Required improvements listed within section 114 of the FDM and RDB 22-01.
- Placement of multiple point detection where required.
- Items specifically recommended by District Safety/Traffic Services that advance safety countermeasures.
- Existing support structures should be evaluated for load capacity and signs of distress and replaced if the existing signal structure is found to be deficient.
- Requests from District TSM&O for ITS related improvements or additions.

Existing traffic signal related features outside the project limits will not be included in the scope and existing field conditions described in this report represent the conditions present at the time of scoping.

All traffic signal related recommendations listed within this scope shall follow the latest design guidelines as outlined in the FDM, Standard Plans, MUTCD, TEM, MUTS and Structures Design Manual.

The following signalized intersections fall within the limits of the begin and end mile posts and or construction limits for this RRR scope:

Signal location 1:

SR 70 (53rd Ave E)
at 5th St W
MP: 0.503
Signal ID: 540

Signal location 3:

SR 70 (53rd Ave E)
at 15th St E (301 Blvd E)
MP: 1.761/MP 0.000
Signal ID: 520

Signal location 2:

Sr 70 (53rd ave E)
at 9th St E
MP: 1.260
Signal ID:541

Signal location 4

SR 70 (53rd Ave E)
at 22nd St Ct E
MP: 0.643
Signal ID:521

Signal location 5:

SR 70 (53rd Ave E)
 at SR 683 (US 301)
 MP 1.001
 Signal ID:491

Signal location 7 Diagonal:

SR 70 (53rd Ave E)
 at 33rd St E
 MP: 1.525
 Signal ID: 524

Signal location 9:

SR 70 (53rd Ave E)
 at 39th St E
 MP: 2.311
 Signal ID: 526

Signal Location 11:

SR 70 (53rd Ave E)
 At Natalie Way
 MP 3.310
 Signal ID: 529

Signal Location 6:

SR 70 (53rd Ave E)
 at 30th St E (Walmart Entrance)
 MP 1.248
 Signal ID 523

Signal location 8:

SR 70 (53rd Ave E)
 at 37th St E
 MP: 1.875
 Signal ID: 525

Signal Location 10:

SR 70 (53rd Ave E)
 at 45th Ave E (Lockwood Ridge Rd)
 MP: 2.538
 Signal ID: 527

Signal location 12:

SR 70 (53rd Ave E)
 at 60th St (Caruso Rd)
 MP 3.800
 Signal ID: 530

The flashing beacon signal poles at 24th Street E will be removed with the placement of the RCUT and the existing emergency signal at Forestry Service Entrance at MP 2.830 will not be impacted.

Maintaining Agency: Manatee County

District Safety recommendations:

- Provide two (2) PHB's at the following locations using safety funds:
 - Between 4th St E/Casa Loma MH Ent at MP 0.929 and 5th St E/Golf Lakes MH Ent at MP 1.008. This location will also include a raised speed table.
 - Between 11th St E/11th St Circle E at MP 1.419 and Tropical Gardens RV Park Entrance at MP 1.502. This location will include a grass median to provide pedestrian refuge.
- A proposed mast arm signal structure at 1st Street will be safety funded. The design team is to coordinate with the Safety Office for the warrant and supporting ICE.
- For enhanced pedestrian safety, consider adding overhead mounted R10-15a signs (per TEM 2.44.3) at signal locations 3 for the EB and WB approaches and location 4 for all the approaches. The three (3) overhead R10-15 signs at location 4 will need to be updated R10-15a signs. Ground mounted signs will be installed at the other locations.
- Provide a crosswalk with pedestrian features across the east leg of 5th Street W and 22nd Street E.
- Provide a nearside mast arm in the SW corner for the NB approach at signalized location 10.

District TSM&O recommendations:

- The Connected Vehicle (CV) Roadside Units (RSU) were deleted from the project and the detection can remain the same per TSM&O recommendations.
- Upgrade all signalized intersections to include the following:
 - Provide NEMA / ATC standard controller.
 - Install/upgrade existing ethernet switches.
 - Install/upgrade UPS.

Additional scoping items and recommended design considerations:

- The proposed mast arm signal at 1st Street will meet the TSM&O requirements above.
- Add yellow flexible retroreflective backplates to signal heads at signalized locations 1, 4, 7, and 8.
- Add dilemma zone loops at signalized locations 3 through 12.
- For protected / permissive left turns, remove existing 5-section heads and install 4-section heads as necessary at signalized locations 1, 3, 10, and 11. Additional 3-section heads for the through movements at signalized locations 3 for the NB approach and 11 for both the EB and WB approaches should be evaluated during design to determine if they can be added without replacing the mast arms.
- Replace all of the existing pedestrian detectors and /or assemblies that appear to be in locations or are combined in a manner that is not conducive in meeting ADA, District or MUTCD guidelines. Corrective actions are recommended at signalized locations 4, 6, and 11.
- Replace the existing pedestrian detectors and /or assemblies that appear to be in locations where reconstruction of curb ramps may be needed to be conducive in meeting hardened centerline requirements, ramp separations, and intersection radius return modifications. Evaluation is needed during design to further investigate whether the hardened centerlines will be incorporated.

Structural Scope Items:

- None of the bridges include an asphalt overlay and therefore will not include joint repair in the scope. Design should coordinate with the District Bridge Maintenance office to clarify scope for bridge needs and opportunities for joint replacement while the lane is closed.
 - MP 2.214 (13162000) – Bridge Culvert 130058. No joints are present along the bridge and no changes are anticipated.
 - MP 3.382 (13162000) – Bridge 130144. All joints were OK in the last inspection report. Per coordination with the District Structures Maintenance Office, for bridges with little to no joint deficiencies reported, the joint repair work is considered minor and shall be addressed by the Structures Asset Maintenance Contractor, where applicable. No action needed.
- MP 2.214 (13162000) – Bridge Culvert 130058. No structure/ hazard markers appear to be installed at the EB or WB approaches.
- MP 3.382 (13162000) - Bridge 130144. No changes anticipated.

Scope Analysis for Social and Environmental Issues

FPID No:	456242-1	County:	Manatee	City:	Bradenton
Project Limits:	SR 70 from east of SR 45 (US 41) to west of Tara Boulevard				
Section:	13162-000 & 13160-000		Length of Project:		1.748 & 4.793
Begin MP:	0.013 & 0.000		End MP:		1.716 & 4.793
Scope:	Resurfacing, Restoration, and Rehabilitation (RRR)				
Review Date:	7/7/2025 – B. Feagle		Anticipated NEPA COA:		Type 1 CE / NMSA

Potential Cost or Schedule Impacts

Social: 7% of the population is designated as limited English proficiency (LEP); therefore, translation services must be provided through verbal interpretation and written translation of vital documents.

Archaeological and Historical Resources: Three National Register of Historic Places (NRHP) listed historic sites are located within the project limits.

Section 4(f): Due to the proximity of NRHP-listed and recreational resources, a Section 4(f) evaluation is anticipated.

Bald eagle: Due to the proximity of nests, design-phase field review is required. No activity may occur within 330' of active nests during nesting season (October 1st to May 15th) without coordination and permits.

Special Designation: Coordination with the District Scenic Highway Coordinator must occur as the project crosses the Gulf to Coast Scenic Highway.

Social and Economic Resources

Social: The minority population accounts for 30% of the population of the area with 13% of the population residing below poverty level.

Land Use Changes: The current land use consists of commercial and services and high-density residential areas; the project is not expected to result in land use changes.

Mobility: The project contains six bus transit routes and is not expected to affect mobility.

Community Cohesion: The project area contains two post offices, cultural and community centers, government buildings, law enforcement facilities, parks, religious centers, and public schools. The project is not expected to affect community services or cohesion.

Relocation Potential: Right-of-way is not required; therefore, relocations are not anticipated.

Farmlands: While farmlands of unique importance are present, the project is not subject to the provisions of the *Farmland Protection Policy Act of 1981* as it is located in the Sarasota-Bradenton urbanized area.

Cultural Resources

Archaeological and Historical Resources: A preliminary review of the Florida Master Site File (FMSF) records revealed two ineligible historic sites, five ineligible resource groups, two historic cemeteries, 10 historic structures, and 172 structures in the area that were built prior to 1970.

Two sites are listed on the NHRP: Johnson Helm House (MA00145) and Egbert Reasoner House (MA00642)

The Manasota Memorial Park Cemetery (MA00905) is eligible for listing and of the 10 historic structures, one is eligible for listing and one has insufficient information.

The project will be reviewed during the Design Phase for involvement with archaeological and historical resources; coordination with the State Historic Preservation Officer (SHPO) will be required.

Recreational and Protected Areas: The John H Marble Recreation Complex is located in the project area.
Section 4(f): A Section 4(f) evaluation is anticipated.

Natural Resources

Wetlands and Other Surface Waters: Minor wetland areas appear to be present in the project area.

Essential Fish Habitat: Essential Fish Habitat (EFH) is present within the project area; however, the project does not propose in-water work and impacts are not anticipated.

Floodplains: The majority of the project is located outside of the 100-year floodplain.

Sole Source Aquifer: The project area is not associated with a sole source aquifer.

Wild and Scenic Rivers: No Wild and Scenic Rivers are identified within the project area.

Coastal Barrier Resources: No Coastal Barrier Resource Act (CBRA) areas are within the project area.

Protected Species and Habitat: The project area was reviewed for potential impacts to wildlife and habitat resources, including federal and state protected species in accordance with Section 7 of the Endangered Species Act (ESA, 1973), as amended, and Chapter 68A-27 Florida Administrative Code (FAC).

The anticipated determinations of effects utilized applicable species keys and the 2024 FDOT *Programmatic Approach for Minor Transportation Activities* for landscaping (B3); replacement of signs, signals or lighting (B4); drainage repair or improvements (B7); resurfacing pavement (B12), and vegetation management (B14).

Species survey, elevated review, coordination, or consultation is expected for the following species:

Bald eagle: Bald eagle nests MN055 and MN067 are located within 330' of the project.

Due to the lack of suitable habitat and prior occurrences, the project is expected to result in a determination of *no effect/no adverse effect* and no further coordination is expected for the following species:

Federal Species

- American crocodile
- Crested caracara
- Eastern black rail
- Eastern indigo snake
- Everglade snail kite
- Florida grasshopper sparrow
- Florida panther
- Florida scrub-jay
- Red-cockaded woodpecker
- Rufa red knot
- Sea turtles (green, hawksbill)
- West Indian manatee
- Wood stork

State or Non-Listed Species

- Florida sandhill crane
- Florida burrowing owl
- Wading birds (reddish egret, little blue heron, roseate spoonbill, tricolored heron)
- Imperiled Beach Nesting Birds (American oystercatcher, snowy plover, black skimmer, least tern)
- Florida pine snake
- Gopher tortoise
- Florida black bear

Physical Resources

Noise: The project meets the criteria for a Type III project established in 23 CFR 772; therefore, analysis of highway traffic noise is not required.

Air Quality: As this project will not impact traffic volumes, no changes to air quality are anticipated.

Contamination: The project buffer area includes brownfield areas, hazardous waste facilities, petroleum contamination monitoring sites, solid waste facilities, storage tank contamination monitoring sites, and biomedical waste sites. The project will be reviewed for contamination during the Design Phase; it is

anticipated a Contamination Technical Memorandum will be prepared and Level 2 testing may be required.

Utilities and Railroads: The project area includes transmission power lines and an electric substation.

Navigation: No navigable waterways are located within the project limits.

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 456242-1-52-01

Letting Date: 07/2028

Description: SR 70 FROM EAST OF SR 45 (US 41) TO WEST OF TARA BOULEVARD

District: 01 County: 13 MANATEE

Market Area: 10 Units: English

Contract Class: 1 Lump Sum Project: N

Design/Build: N Project Length: 6.541 MI

Project Manager: NEM-LAT-4P

Version 7-P Project Grand Total

\$29,174,227.57

Description: Final Safety Updates from Version 6P- 08/23/26

Sequence: 1 RSU - Resurfacing, Undivided

Net Length:

1.748 MI

9,229 LF

Description: POP Items from E of SR 45 (US 41) (MP 0.013) to 301 Blvd (15th St) (MP 1.761)

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	220
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-2	MILLING EXIST ASPH PAVT,3 1/2" AVG DEPTH	49,223.68 SY	\$3.16	\$155,546.83
334-1-53	SUPERPAVE ASPH CONC, TRAF C, PG76-22	5,414.60 TN	\$167.79	\$908,515.73
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	4,060.95 TN	\$172.51	\$700,554.48

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-2	MILLING EXIST ASPH PAVT,3 1/2" AVG DEPTH Comment: Additional milling needed for turn-lanes with the project limits	66,537.89 SY	\$3.16	\$210,259.73
327-70-6	MILLING EXIST ASPH PAVT,1 1/2" AVG DEPTH Comment: Milling needed for side street within the project limits	76,500.00 SY	\$3.48	\$266,220.00
334-1-53	SUPERPAVE ASPH CONC, TRAF C, PG76-22 Comment: 1.5" for side streets Additional 2" for turn lanes	13,630.42 TN	\$167.79	\$2,287,048.17
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 Comment: Additional 1.5" for turn lanes	5,489.39 TN	\$172.51	\$946,974.67
527-2	DETECTABLE WARNINGS Comment: Replace all within the project limits	4,008.00 SF	\$34.43	\$137,995.44
546-72-3	GROUND-IN RUMBLE STRIPS, 8" SIN	1.72 GM	\$2,684.64	\$4,617.58
706-1-3	RAISED PAVMT MARK, TYPE B	3,185.00 EA	\$4.62	\$14,714.70

	Comment: Additional RMPs needed within the project limits			
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	1.00 LS	\$93,785.48	\$93,785.48
711-11-123	THERMOPLASTIC, STD, WHITE, SOLID, 12"	14,582.00 LF	\$3.86	\$56,286.52
	Comment: Thermo paint needed within the project limits			
711-11-124	THERMOPLASTIC, STD, WHITE, SOLID, 18"	3,190.00 LF	\$5.75	\$18,342.50
	Comment: Thermo paint needed within the project limits			
711-11-125	THERMOPLASTIC, STD, WHITE, SOLID, 24"	3,088.00 LF	\$7.78	\$24,024.64
	Comment: Thermo paint needed within the project limits			
711-11-141	THERMOPLASTIC, STD, WHITE, DOT GUIDE, 6"	4.42 GM	\$2,838.28	\$12,545.20
	Comment: Thermo paint needed within the project limits			
711-11-160	THERMOPLASTIC, STD, WHITE, MESSAGE	11.00 EA	\$213.75	\$2,351.25
	Comment: Thermo paint needed within the project limits			
711-11-170	THERMOPLASTIC, STD, WHITE, ARROW	482.00 EA	\$89.03	\$42,912.46
	Comment: Thermo paint needed within the project limits			
711-11-224	THERMOPLASTIC, STD, YELLOW, SOLID, 18"	1,414.00 LF	\$6.05	\$8,554.70
	Comment: Thermo paint needed within the project limits			
711-11-241	THERMOPLASTIC,STD,YELLOW,DOT / GUIDE, 6"	0.93 GM	\$3,017.10	\$2,805.90
	Comment: Thermo paint needed within the project limits			
711-14-125	THERMOPLASTIC, PREFORM, WHITE, SOLID,24"	7,520.00 LF	\$17.49	\$131,524.80
	Comment: Thermo paint needed within the project limits			
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	97.00 EA	\$232.35	\$22,537.95
	Comment: Thermo paint needed within the project limits			
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	97.00 EA	\$114.35	\$11,091.95
	Comment: Thermo paint needed within the project limits			
711-14-191	THERMOPLASTIC, PREF, WHITE C, RR DYN ENV	160.00 LF	\$4.48	\$716.80
	Comment: Thermo paint needed within the project limits			
711-14-193	THERMOPLASTIC, PREF, WHITE C, RR DYN ENV	270.00 LF	\$8.70	\$2,349.00
	Comment: Thermo paint needed within the project limits			
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	11.24 GM	\$5,753.46	\$64,668.89
	Comment: Additional thermo paint needed within the project limits			
711-16-102	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 8"	1.45 GM	\$6,956.42	\$10,086.81
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.21 GM	\$2,409.08	\$505.91
	Comment: Thermo paint needed within the project limits			
713-103-101	PERMANENT TAPE, WHITE,SOLID,6" CONC BR	0.25 GM	\$40,587.15	\$10,146.79
713-103-181	PERM TAPE, WHITE,10-30 SKIP,6", FOR CONC	0.25 GM	\$14,472.43	\$3,618.11
713-103-201	PERMANENT TAPE, YELLOW,SOLID,6" CONC BR	0.13 GM	\$41,061.34	\$5,337.97
713-103-381	PERM TAPE, BLACK,10-30 SKIP,6", FOR CONC	0.25 GM	\$14,472.43	\$3,618.11

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	1,180.00	EA	\$4.62	\$5,451.60
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.50	GM	\$1,787.53	\$6,256.36
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	5.24	GM	\$573.39	\$3,004.56
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	3.50	GM	\$5,753.46	\$20,137.11
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	5.24	GM	\$1,759.18	\$9,218.10
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	3.50	GM	\$5,763.17	\$20,171.10
Roadway Component Total					\$6,224,497.90

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	4.00 / 4.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 4.00
Paved Outside Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	0
Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips i/c 1/2No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	8,203.95	SY	\$1.79	\$14,685.07

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-18	INLET PROTECTION SYSTEM	54.00	EA	\$182.77	\$9,869.58
107-1	LITTER REMOVAL	4.66	AC	\$64.59	\$300.99
107-2	MOWING	1.70	AC	\$87.78	\$149.23
Shoulder Component Total					\$25,004.87

Sequence 1 Total **\$6,249,502.77**

Sequence: 2 RSD - Resurfacing, Divided

Net Length: 3.624 MI
19,135 LF

Description: POP Items from 301 Blvd (15th St) (MP 1.761) to E of Braden River (MP 3.624)

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	39.00 / 39.00
Structural Spread Rate	220
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-2	MILLING EXIST ASPH PAVT,3 1/2" AVG DEPTH	165,834.24 SY	\$3.16	\$524,036.20
334-1-53	SUPERPAVE ASPH CONC, TRAF C, PG76-22	18,241.77 TN	\$167.79	\$3,060,786.59
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	13,681.32 TN	\$172.51	\$2,360,164.51

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	2,446.00 EA	\$4.62	\$11,300.52
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	7.25 GM	\$1,787.53	\$12,959.59
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	14.50 GM	\$573.39	\$8,314.16
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	7.25 GM	\$5,753.46	\$41,712.58
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	14.50 GM	\$1,759.18	\$25,508.11
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	7.25 GM	\$5,763.17	\$41,782.98

Roadway Component Total

\$6,086,565.25

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	5.00 / 5.00
Total Outside Shoulder Perf. Turf Width L/R	5.00 / 5.00
Paved Outside Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	0
Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T

Rumble Strips 1/2No. of Sides

0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	21,260.80 SY	\$1.79	\$38,056.83

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-18	INLET PROTECTION SYSTEM	131.00 EA	\$182.77	\$23,942.87
107-1	LITTER REMOVAL	19.33 AC	\$64.59	\$1,248.52
107-2	MOWING	11.42 AC	\$87.78	\$1,002.45

Shoulder Component Total

\$64,250.67

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	20.00
Performance Turf Width	16.00
Total Median Shoulder Width L/R	0.00 / 0.00
Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	0
Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	34,017.28 SY	\$1.79	\$60,890.93
Median Component Total				\$60,890.93

Sequence 2 Total

\$6,211,706.85

Sequence: 3 RSD - Resurfacing, Divided

Net Length: 1.169 MI
6,172 LF

Description: POP Items from E of Braden River (MP 3.624) to W of Tara Blvd (MP 4.793)

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	36.00 / 36.00
Structural Spread Rate	220
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-2	MILLING EXIST ASPH PAVT,3 1/2" AVG DEPTH	49,378.56 SY	\$3.16	\$156,036.25
334-1-53	SUPERPAVE ASPH CONC, TRAF C, PG76-22	5,431.64 TN	\$167.79	\$911,374.88
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	4,073.73 TN	\$172.51	\$702,759.16

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	789.00 EA	\$4.62	\$3,645.18
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.34 GM	\$1,787.53	\$4,182.82
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.68 GM	\$573.39	\$2,683.47
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	2.34 GM	\$5,753.46	\$13,463.10
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	4.68 GM	\$1,759.18	\$8,232.96
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	2.34 GM	\$5,763.17	\$13,485.82

Roadway Component Total

\$1,815,863.64

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	0
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T

Rumble Strips 1/2 No. of Sides 0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	6,858.13 SY	\$3.48	\$23,866.29
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	565.80 TN	\$172.51	\$97,606.16
570-1-1	PERFORMANCE TURF	3,662.24 SY	\$1.79	\$6,555.41

Erosion Control

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	12,344.64 LF	\$2.41	\$29,750.58
107-1	LITTER REMOVAL	19.84 AC	\$64.59	\$1,281.47
107-2	MOWING	18.42 AC	\$87.78	\$1,616.91

Shoulder Component Total \$160,676.82

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	40.00
Performance Turf Width	5.34
Total Median Shoulder Width L/R	8.00 / 8.00
Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	0
Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	3,662.24 SY	\$1.79	\$6,555.41
Median Component Total				\$6,555.41

SIGNALIZATIONS COMPONENT

Traffic Monitoring 1

Description	Value
Lanes	6
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F&I, OPEN TRENCH	250.00 LF	\$18.11	\$4,527.50
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	60.00 LF	\$32.93	\$1,975.80
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00 EA	\$1,608.52	\$4,825.56

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
695-1-1	TMS VEH SNSR-NON-WEIGHT, F&I,	6.00	EA	\$3,606.54	\$21,639.24
695-6-11	TMS IND LOOP ASSEMBLY	6.00	EA	\$1,673.10	\$10,038.60
Signalizations Component Total					\$43,006.70
Sequence 3 Total					\$2,026,102.57

Sequence: 4 MIS - Miscellaneous Construction

Net Length: 6.541 MI
34,536 LF

Description: Non-Pop Items within the Project Limits

ROADWAY COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-4-10	REMOVAL OF EXIST CONC Comment: Repair of cracked sidewalk transit connection at WB SR 70 at 66th St E (10 SY)	10.00 SY	\$36.27	\$362.70
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" Comment: Repair of cracked sidewalk transit connection at WB SR 70 at 66th St E (10 SY)	10.00 SY	\$84.88	\$848.80
570-1-2	PERFORMANCE TURF, SOD Comment: Repair of cracked sidewalk transit connection at WB SR 70 at 66th St E (10.09 SY)	10.09 SY	\$7.66	\$77.29
Roadway Component Total				\$1,288.79

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-2-41	MANHOLES, P-7, <10'	1.00 EA	\$9,801.01	\$9,801.01

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-331	INLETS, CURB, TYPE P-3, <10' Comment: Replace failing inlet west of 15th street east	1.00 EA	\$9,595.26	\$9,595.26
Drainage Component Total				\$19,396.27

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	295.00 EA	\$55.30	\$16,313.50
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	12.00 EA	\$6,939.91	\$83,278.92
700-2-115	MULTI- COLUMN SIGN, F&I GM, 50.1-100 SF	8.00 EA	\$10,886.05	\$87,088.40
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	11.00 EA	\$1,434.76	\$15,782.36

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF Comment: Includes extra "Wrong Way" (R5-1a) signs and "Do Not Enter" (R5-1) signs per Safety. Replacing "40 mph" Speed limit signs with "35 mph" signs from US 41 to 9th Street	380.00 EA	\$595.09	\$226,134.20
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	98.00 EA	\$2,083.22	\$204,155.56

Comment: Adding "Stop" signs with "Mandatory Lane Movement" Plaques (R1-1/R3-5P) to the side streets east of 15th Street/301 Blvd

700-1-113	SINGLE COL GRND SIGN AS, F&I GM, 20.1-30	2.00 EA	\$2,649.41	\$5,298.82
700-1-912	SNGL GRND SIGN AS, F&I CANTI GM, 12-20	2.00 EA	\$3,582.91	\$7,165.82
700-1-913	SNGL GRND SIGN AS, F&I CANTI GM, 20.1-30	3.00 EA	\$2,987.59	\$8,962.77
700-13-15	RETROREFLECTIVE SIGN STRIP-F&I, 5'	104.00 EA	\$113.49	\$11,802.96
705-10-1	OBJECT MARKER, TYPE 1	6.00 EA	\$233.43	\$1,400.58
705-10-2	OBJECT MARKER, TYPE 2	20.00 EA	\$112.90	\$2,258.00
705-10-3	OBJECT MARKER, TYPE 3	2.00 EA	\$235.40	\$470.80
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	40.00 EA	\$116.03	\$4,641.20

Signing Component Total

\$674,753.89

Sequence 4 Total

\$695,438.95

Sequence: 5 MIS - Miscellaneous Construction

Net Length: 6.541 MI
34,536 LF

Description: Hardened Center Lines

ROADWAY COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-4-10	REMOVAL OF EXIST CONC Comment: Ramps at 5th St W, 9th St E, 30th St E, 33rd St E, 37th St E, 39th St E, and 45th St E	410.22 SY	\$36.27	\$14,878.68
120-1	REGULAR EXCAVATION Comment: Ramps at 30th St E, 33rd St E, 37th St E, 39th St E, and 45th St E	60.37 CY	\$30.73	\$1,855.17
334-1-53	SUPERPAVE ASPH CONC, TRAF C, PG76-22 Comment: 3" for widening the east median nose at 39th St E	0.77 TN	\$167.79	\$129.20
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 Comment: 1 1/2" for widening the east median nose at 39th St E	0.39 TN	\$172.51	\$67.28
520-1-10	CONCRETE CURB & GUTTER, TYPE F Comment: Ramps at 5th St W, 9th St E, 30th St E, 33rd St E, 37th St E, 39th St E, and 45th St E	553.00 LF	\$46.95	\$25,963.35
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE Comment: East 2" separator at 39th St E	2.00 LF	\$127.40	\$254.80
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" Comment: Ramps at 30th St E, 33rd St E, 37th St E, 39th St E, and 45th St E	178.44 SY	\$84.88	\$15,145.99
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" Comment: Ramps at 5th St W, 9th St E, 30th St E, 33rd St E, 37th St E, 39th St E, and 45th St E	274.56 SY	\$100.00	\$27,456.00
570-1-2	PERFORMANCE TURF, SOD Comment: Ramps at 5th St W, 9th St E, 30th St E, 33rd St E, 37th St E, 39th St E, and 45th St E	183.77 SY	\$7.66	\$1,407.68
704-1-4	TUBULAR MARKER, 36" YELLOW POST Comment: Needed at 5th St W, 9th St E, 301 Blvd, 22nd St E, US 301, 30th St E, 33rd St E, 37th St E, 39th E, 45th St E, Natalie Way, and Caruso Rd	341.00 EA	\$233.29	\$79,551.89
711-11-224	THERMOPLASTIC, STD, YELLOW, SOLID, 18" Comment: Needed at 45th St E and Caruso Rd	211.00 LF	\$6.05	\$1,276.55
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6" Comment: Needed at 5th St W, 9th St E, 301 Blvd, 22nd St E, US 301, 30th St E, 33rd St E, 37th St E, 39th E, 45th St E, Natalie Way, and Caruso Rd	0.34 GM	\$5,763.17	\$1,959.48

EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
921-703-100	CHANNELIZING CURB, CENTERLINE Comment: Needed at 301 Blvd, 22nd St, US 301, 33rd St, 39th St, and 45th St	45.00 LF	\$100.00	\$4,500.00

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	Miscellaneous
Multiplier	1
Description	5th Street E

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH Comment: Ramps crossing the existing north crosswalk.	32.00	LF	\$18.11	\$579.52
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE Comment: Ramps crossing the existing north crosswalk.	75.00	LF	\$32.93	\$2,469.75
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" Comment: Ramps crossing the existing north crosswalk.	6.00	EA	\$1,608.52	\$9,651.12
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL Comment: Ramps crossing the existing north crosswalk.	2.00	EA	\$2,845.31	\$5,690.62
646-1-60	ALUMINUM SIGNALS POLE, REMOVE Comment: Ramps crossing the existing north crosswalk.	2.00	EA	\$485.01	\$970.02
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY Comment: Ramps crossing the existing north crosswalk.	2.00	AS	\$986.72	\$1,973.44
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD Comment: Ramps crossing the existing north crosswalk.	2.00	EA	\$479.37	\$958.74

Signalization 2

Description	Value
Type	Miscellaneous
Multiplier	1
Description	9th Street E

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH Comment: Ramps crossing the existing North, West and East Crosswalks	60.00	LF	\$18.11	\$1,086.60
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE Comment: Ramps crossing the existing North, West and East Crosswalks	185.00	LF	\$32.93	\$6,092.05
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL Comment: Ramps crossing the existing North, West and East Crosswalks	1.00	PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION Comment: Ramps crossing the existing North, West and East Crosswalks	1.00	PI	\$1,668.82	\$1,668.82
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	15.00	EA	\$1,608.52	\$24,127.80

	Comment: Ramps crossing the existing North, West and East Crosswalks			
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	6.00 EA	\$2,845.31	\$17,071.86
	Comment: Ramps crossing the existing North, West and East Crosswalks			
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	6.00 EA	\$485.01	\$2,910.06
	Comment: Ramps crossing the existing North, West and East Crosswalks			
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	6.00 AS	\$986.72	\$5,920.32
	Comment: Ramps crossing the existing North, West and East Crosswalks			
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	6.00 EA	\$479.37	\$2,876.22
	Comment: Ramps crossing the existing North, West and East Crosswalks			
671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00 EA	\$2,340.22	\$2,340.22
	Comment: Ramps crossing the existing North, West and East Crosswalks			

Signalization 6

Description	Value
Type	Miscellaneous
Multiplier	1
Description	30th Street East

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F&I, OPEN TRENCH	25.00	LF	\$18.11	\$452.75
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	\$1,608.52	\$3,217.04
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	1.00	EA	\$2,845.31	\$2,845.31
	Comment: North Ramp crossing the existing west crosswalk. The pedestrian pole in the SW corner is shared and will be separated under RRR funds.				
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	1.00	EA	\$485.01	\$485.01
	Comment: North Ramp crossing the existing west crosswalk. The pedestrian pole in the SW corner is shared and will be separated under RRR funds.				
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	1.00	AS	\$986.72	\$986.72
	Comment: North Ramp crossing the existing west crosswalk. The pedestrian pole in the SW corner is shared and will be separated under RRR funds.				
653-1-60	PEDESTRIAN SIGNAL, REMOVE	1.00	AS	\$161.04	\$161.04
	Comment: North Ramp crossing the existing west crosswalk. The pedestrian pole in the SW corner is shared and will be separated under RRR funds.				
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	1.00	EA	\$479.37	\$479.37
	Comment: North Ramp crossing the existing west crosswalk. The pedestrian pole in the SW corner is shared and will be separated under RRR funds.				

Signalization 7

Description	Value
Type	Miscellaneous

Multiplier
Description

33rd Street E

1

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	19.00	LF	\$18.11	\$344.09
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	103.00	LF	\$32.93	\$3,391.79
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	\$1,608.52	\$6,434.08
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	2.00	EA	\$2,845.31	\$5,690.62
	Comment: Ramps crossing the existing south crosswalk.				
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	2.00	EA	\$485.01	\$970.02
	Comment: Ramps crossing the existing south crosswalk.				
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	2.00	AS	\$986.72	\$1,973.44
	Comment: Ramps crossing the existing south crosswalk.				
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	2.00	EA	\$479.37	\$958.74
	Comment: Ramps crossing the existing south crosswalk.				

Signalization 8

Description

Type

Multiplier

Description

Value

Miscellaneous

1

37th Street E

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	23.00	LF	\$18.11	\$416.53
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	94.00	LF	\$32.93	\$3,095.42
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00	EA	\$1,608.52	\$8,042.60
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	2.00	EA	\$2,845.31	\$5,690.62
	Comment: The ramps crossing the existing north crosswalk				
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	2.00	EA	\$485.01	\$970.02
	Comment: The ramps crossing the existing north crosswalk				
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	2.00	AS	\$986.72	\$1,973.44
	Comment: The ramps crossing the existing north crosswalk				
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	2.00	EA	\$479.37	\$958.74
	Comment: The ramps crossing the existing north crosswalk				

Signalization 9

Description

Type

Multiplier

Description

Value

Miscellaneous

1

39th Street E

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	24.00	LF	\$18.11	\$434.64
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	270.00	LF	\$32.93	\$8,891.10
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	\$1,608.52	\$4,825.56
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	1.00	EA	\$2,845.31	\$2,845.31
	Comment: South ramp crossing the existing east crosswalk. The north ramp is not moving so no ped pole is needed				
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	1.00	EA	\$485.01	\$485.01
	Comment: South ramp crossing the existing east crosswalk. The north ramp is not moving so no ped pole is needed				
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	1.00	AS	\$986.72	\$986.72
	Comment: South ramp crossing the existing east crosswalk. The north ramp is not moving so no ped pole is needed				
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	1.00	EA	\$479.37	\$479.37
	Comment: South ramp crossing the existing east crosswalk. The north ramp is not moving so no ped pole is needed				

Signalization 10

Description	Value
Type	Miscellaneous
Multiplier	1
Description	45th Street E

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	125.00	LF	\$32.93	\$4,116.25
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA	\$1,608.52	\$12,868.16
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	4.00	EA	\$2,845.31	\$11,381.24
	Comment: Ramps crossing the existing north and west crosswalk				
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	4.00	EA	\$485.01	\$1,940.04
	Comment: Ramps crossing the existing north and west crosswalk				
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	AS	\$986.72	\$3,946.88
	Comment: Ramps crossing the existing north and west crosswalk				
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	4.00	EA	\$479.37	\$1,917.48
	Comment: Ramps crossing the existing north and west crosswalk				

Signalizations Component Total \$203,085.02

Sequence 5 Total \$377,531.09

Sequence: 6 MIS - Miscellaneous Construction

Net Length: 6.541 MI
34,536 LF

Description: RRR Signal Updates

SIGNING COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF Comment: R10-15A signs: US 41 (4), 5th St (1 WB/1 SB), 9th Street (4), 15th St (1 NB/1 SB), US 301 (1 EB/1 WB), 30th St (4), 33rd St (4), 37th St (4), 39th St (4), 45th St (4), Natalie (4), Caruso (4)	42.00 EA	\$595.09	\$24,993.78
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF Comment: R10-15A panels needed at 15th St (1 EB/1 WB), and 22nd St (4)	6.00 EA	\$970.97	\$5,825.82
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF Comment: Remove Yield to Peds signs (R10-15) at 22nd St and replace with Stop for Peds signs (R10-15A)	3.00 EA	\$136.32	\$408.96
Signing Component Total				\$31,228.56

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	Miscellaneous
Multiplier	1
Description	5th Street E

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	25.00 LF	\$18.11	\$452.75
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	1.00 PI	\$1,668.82	\$1,668.82
650-1-16	VEH TRAF SIGNAL,F&I ALUMINUM, 4 S 1 W Comment: Replace 5-sec w/ 4-sec on E approach mast arm	1.00 AS	\$2,526.01	\$2,526.01
650-1-60	VEH TRAF SIGNAL, REMOVE- POLES TO REMAIN Comment: Remove 5-sec on E approach mast arm	1.00 AS	\$334.21	\$334.21
650-2-102	VEHIC SIGNAL AUX, REP/RETROFIT- F&I, BAC Comment: Place on signal head on E approach mast arm	1.00 EA	\$429.95	\$429.95
671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00 EA	\$2,340.22	\$2,340.22

Signalization 3

Description	Value
Type	Miscellaneous
Multiplier	1
Description	US 301 Blvd/15th St E

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	430.00 LF	\$18.11	\$7,787.30
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	195.00 LF	\$32.93	\$6,421.35
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	1.00 PI	\$1,668.82	\$1,668.82
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00 EA	\$1,608.52	\$9,651.12
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W Comment: Add 3-sec to NB Approach MA if it can be done without replacing the MA	1.00 AS	\$1,800.78	\$1,800.78
650-1-16	VEH TRAF SIGNAL,F&I ALUMINUM, 4 S 1 W Comment: Replace 5-Sec with 4-Sec to EB and WB Approach MAs. Replace 5-Sec with 4-Sec to NB Approach MA if it can be done without replacing the MA.	3.00 AS	\$2,526.01	\$7,578.03
650-1-60	VEH TRAF SIGNAL, REMOVE- POLES TO REMAIN	3.00 AS	\$334.21	\$1,002.63
650-1-70	VEHICULAR TRAFFIC SIGNAL, RELOCATE Comment: Relocate 3-Sec on NB Approach MA if the 5-Sec is being replaced with a 3-sec and 4-sec	1.00 AS	\$1,142.03	\$1,142.03
660-1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9 Comment: For Dilemma Zone on SR 70	6.00 EA	\$436.25	\$2,617.50
660-2-102	LOOP ASSEMBLY, F&I, TYPE B Comment: For Dilemma Zone on SR 70	12.00 AS	\$1,921.89	\$23,062.68
671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00 EA	\$2,340.22	\$2,340.22

Signalization 4

Description	Value
Type	Miscellaneous
Multiplier	1
Description	22nd Street E

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	390.00 LF	\$18.11	\$7,062.90
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	240.00 LF	\$32.93	\$7,903.20
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	1.00 PI	\$1,668.82	\$1,668.82
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00 EA	\$1,608.52	\$9,651.12
650-2-102	VEHIC SIGNAL AUX, REP/RETROFIT- F&I, BAC Comment: Install on all signal heads	12.00 EA	\$429.95	\$5,159.40
660-1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9 Comment: For Dilemma Zone on SR 70	6.00 EA	\$436.25	\$2,617.50
660-2-102	LOOP ASSEMBLY, F&I, TYPE B Comment: For Dilemma Zone on SR 70	12.00 AS	\$1,921.89	\$23,062.68
671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00 EA	\$2,340.22	\$2,340.22

Signalization 5**Description**

Type

Multiplier

Description

US 301

Value

Miscellaneous

1

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	650.00	LF	\$18.11	\$11,771.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	335.00	LF	\$32.93	\$11,031.55
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	1.00	PI	\$1,668.82	\$1,668.82
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	9.00	EA	\$1,608.52	\$14,476.68
660-1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	6.00	EA	\$436.25	\$2,617.50
	Comment: For Dilemma Zone on SR 70				
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	12.00	AS	\$1,921.89	\$23,062.68
	Comment: For Dilemma Zone on SR 70				
671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00	EA	\$2,340.22	\$2,340.22

Signalization 6**Description**

Type

Multiplier

Description

30th Street E

Value

Miscellaneous

1

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	249.00	LF	\$18.11	\$4,509.39
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	199.00	LF	\$32.93	\$6,553.07
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	1.00	PI	\$1,668.82	\$1,668.82
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA	\$1,608.52	\$12,868.16
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	2.00	EA	\$2,845.31	\$5,690.62
	Comment: Shared Ped pole on SW corner				
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	1.00	EA	\$485.01	\$485.01
	Comment: Shared Ped pole on SW corner				
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	2.00	AS	\$986.72	\$1,973.44
	Comment: Shared Ped pole on SW corner				
660-1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	6.00	EA	\$436.25	\$2,617.50
	Comment: For Dilemma Zone on SR 70				
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	12.00	AS	\$1,921.89	\$23,062.68
	Comment: For Dilemma Zone on SR 70				
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	2.00	EA	\$479.37	\$958.74

	Comment: Shared Ped pole on SW corner			
671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00 EA	\$2,340.22	\$2,340.22

Signalization 7

Description	Value
Type	Miscellaneous
Multiplier	1
Description	33rd Street E

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	441.00 LF	\$18.11	\$7,986.51
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	381.00 LF	\$32.93	\$12,546.33
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	1.00 PI	\$1,668.82	\$1,668.82
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	10.00 EA	\$1,608.52	\$16,085.20
650-2-102	VEHIC SIGNAL AUX, REP/RETROFIT- F&I, BAC	1.00 EA	\$429.95	\$429.95
660-1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	6.00 EA	\$436.25	\$2,617.50
	Comment: For Dilemma Zone on SR 70			
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	12.00 AS	\$1,921.89	\$23,062.68
	Comment: For Dilemma Zone on SR 70			
671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00 EA	\$2,340.22	\$2,340.22

Signalization 8

Description	Value
Type	Miscellaneous
Multiplier	1
Description	37th Street E

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	567.00 LF	\$18.11	\$10,268.37
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	157.00 LF	\$32.93	\$5,170.01
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	1.00 PI	\$1,668.82	\$1,668.82
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	9.00 EA	\$1,608.52	\$14,476.68
650-2-102	VEHIC SIGNAL AUX, REP/RETROFIT- F&I, BAC	6.00 EA	\$429.95	\$2,579.70
	Comment: Place on NB and SB Approach MAs			
660-1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	6.00 EA	\$436.25	\$2,617.50
	Comment: For Dilemma Zone on SR 70			
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	12.00 AS	\$1,921.89	\$23,062.68
	Comment: For Dilemma Zone on SR 70			
671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00 EA	\$2,340.22	\$2,340.22

Signalization 9

Description	Value
Type	Miscellaneous
Multiplier	1
Description	39th Street E

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	600.00 LF	\$18.11	\$10,866.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	270.00 LF	\$32.93	\$8,891.10
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	1.00 PI	\$1,668.82	\$1,668.82
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	10.00 EA	\$1,608.52	\$16,085.20
660-1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	6.00 EA	\$436.25	\$2,617.50
	Comment: For Dilemma Zone on SR 70			
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	12.00 AS	\$1,921.89	\$23,062.68
	Comment: For Dilemma Zone on SR 70			
671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00 EA	\$2,340.22	\$2,340.22

Signalization 10

Description	Value
Type	Miscellaneous
Multiplier	1
Description	45th Street E

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	560.00 LF	\$18.11	\$10,141.60
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	323.00 LF	\$32.93	\$10,636.39
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	1.00 PI	\$1,668.82	\$1,668.82
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00 EA	\$1,608.52	\$19,302.24
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	1.00 EA	\$133,471.22	\$133,471.22
	Comment: Near Side MA on SW corner needed for NB Approach			
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	3.00 AS	\$1,800.78	\$5,402.34
	Comment: Needed for Near Side MA			
650-1-16	VEH TRAF SIGNAL,F&I ALUMINUM, 4 S 1 W	2.00 AS	\$2,526.01	\$5,052.02
	Comment: Replace 5-Sec with 4-Sec on NB Approach MA and Add a 4-Sec to Near Side MA			
650-1-60	VEH TRAF SIGNAL, REMOVE- POLES TO REMAIN	1.00 AS	\$334.21	\$334.21
660-1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	6.00 EA	\$436.25	\$2,617.50
	Comment: For Dilemma Zone on SR 70			
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	12.00 AS	\$1,921.89	\$23,062.68
	Comment: For Dilemma Zone on SR 70			

671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00 EA	\$2,340.22	\$2,340.22
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Signalization 11

Description	Value
Type	Miscellaneous
Multiplier	1
Description	Natalie Way

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	649.00	LF	\$18.11	\$11,753.39
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	301.00	LF	\$32.93	\$9,911.93
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	1.00	PI	\$1,668.82	\$1,668.82
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	29.00	EA	\$1,608.52	\$46,647.08
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	8.00	EA	\$2,845.31	\$22,762.48
	Comment: For Shared Ped Poles				
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	3.00	EA	\$485.01	\$1,455.03
	Comment: For Shared Ped Poles				
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	2.00	AS	\$1,800.78	\$3,601.56
	Comment: Add 3-Sec to EB and WB Approach MAs if it can be done without replacing the MAs				
650-1-16	VEH TRAF SIGNAL,F&I ALUMINUM, 4 S 1 W	2.00	AS	\$2,526.01	\$5,052.02
	Comment: Replace 5-Sec with 3-Sec on EB and WB Approach MA's if it can be done without replacing the MAs				
650-1-60	VEH TRAF SIGNAL, REMOVE- POLES TO REMAIN	2.00	AS	\$334.21	\$668.42
650-1-70	VEHICULAR TRAFFIC SIGNAL, RELOCATE	4.00	AS	\$1,142.03	\$4,568.12
	Comment: Relocate the 3-Sec heads on the EB and WB Approach MA's if the 5-Sec heads are being replaced with 4-Sec and 3-Sec heads				
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$986.72	\$7,893.76
	Comment: For Shared Ped Poles				
653-1-60	PEDESTRIAN SIGNAL, REMOVE	6.00	AS	\$161.04	\$966.24
	Comment: For Shared Ped Poles				
660-1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	6.00	EA	\$436.25	\$2,617.50
	Comment: For Dilemma one on SR 70				
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	12.00	AS	\$1,921.89	\$23,062.68
	Comment: For Dilemma one on SR 70				
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$479.37	\$3,834.96
	Comment: For Shared Ped Poles				
665-1-60	PEDESTRIAN DETECTOR, REMOVE	2.00	EA	\$71.77	\$143.54
671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00	EA	\$2,340.22	\$2,340.22

Signalization 12

Description	Value
Type	Miscellaneous
Multiplier	1
Description	Caruso Road

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	600.00	LF	\$18.11	\$10,866.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	270.00	LF	\$32.93	\$8,891.10
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$12,042.71	\$12,042.71
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	1.00	PI	\$1,668.82	\$1,668.82
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	10.00	EA	\$1,608.52	\$16,085.20
660-1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	6.00	EA	\$436.25	\$2,617.50
	Comment: For Dilemma one on SR 70				
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	12.00	AS	\$1,921.89	\$23,062.68
	Comment: For Dilemma one on SR 70				
671-2-40	TRAFFIC CONTROLLER, MODIFY	1.00	EA	\$2,340.22	\$2,340.22
Signalizations Component Total					\$1,017,417.89

Sequence 6 Total	\$1,048,646.45
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Sequence: 8 MIS - Miscellaneous Construction

Net Length: 0.000 MI
0 LF

Description: TSM&O

SIGNALIZATIONS COMPONENT

Signalization 1

Description

Type

Multiplier

Description

Value

Miscellaneous

1

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
670-5-161	TRAF CNTL ASS,F&I, NEMA, STD LOCK, 1 PRE	12.00	AS	\$56,073.40	\$672,880.80
671-2-60	TRAFFIC CONTROLLER, REMOVE	12.00	EA	\$478.25	\$5,739.00
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	12.00	EA	\$6,643.13	\$79,717.56
685-1-13	UPS, F&I, LINE INTERACTIVE W CAB	12.00	EA	\$10,411.41	\$124,936.92
Signalizations Component Total					\$883,274.28

Sequence 8 Total

\$883,274.28

Sequence: 9 MIS - Miscellaneous Construction

Net Length: 6.541 MI
34,536 LF

Description: RCUTs, Median Modifications, Proposed SW, Separated Ramps, and Radius Modifications
(Phase 52-02)

ROADWAY COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING Comment: RCUTs at 18th St Blvd, 24th St and 66th St; NE radius return at 5th St W; Widening E of 11th St E.	0.76 AC	\$82,076.95	\$62,378.48
110-4-10	REMOVAL OF EXIST CONC Comment: North S/W removal; Ramps at 5th St W/22nd St E/30th St E/Natalie; Returns at 8th St W/5th St W/3rd St E/11th St E/24th St E/Fairway Gardens; RCUTs at 18th/24th/66th; Widen E of 11th St E	1,533.98 SY	\$36.27	\$55,637.45
120-1	REGULAR EXCAVATION Comment: North S/W removal and replacement, Ramps at 22nd St E/30th St E; Returns at 8th St W/3rd St E/11th St E 24th St E/Fairway Gardens; RCUTs at 18th/24th/66th; Widen E of 11th St E.	1,494.33 CY	\$30.73	\$45,920.76
120-6	EMBANKMENT Comment: RCUTs at 18th St Blvd, 24th St and 66th St; Ramps at 22nd St E; Widening E of 11th St E	356.18 CY	\$71.81	\$25,577.29
160-4	TYPE B STABILIZATION Comment: RCUTs at 18th St Blvd, 24th St and 66th St; NE radius return at 5th; Widening E of 11th St E.	3,071.01 SY	\$26.09	\$80,122.65
285-709	OPTIONAL BASE,BASE GROUP 09 Comment: RCUTs at 18th St Blvd, 24th St and 66th St; NE radius return at 5th; Widening E of 11th St E.	2,964.56 SY	\$32.04	\$94,984.50
334-1-53	SUPERPAVE ASPH CONC, TRAF C, PG76-22 Comment: 3" for RCUTs at 18th St Blvd, 24th St and 66th St; NE radius return at 5th St W; Widening E of 11th St E.	436.39 TN	\$167.79	\$73,221.88
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 Comment: 1 1/2" for RCUTs at 18th St Blvd, 24th St and 66th St; Radius return at 5th St W, 24th St E, Fairway Gardens; Widen E of 11th St E.	242.20 TN	\$172.51	\$41,781.92
520-1-10	CONCRETE CURB & GUTTER, TYPE F Comment: Ramps for 5th St W/22nd St E/30th St/Natalie Way; Returns at 8th St W/5th St W/3rd St E/11th St E/24th/Fairway Gardens; Widen E of 11th St E.	1,864.00 LF	\$46.95	\$87,514.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE Comment: RCUT at 66th St	40.00 LF	\$127.40	\$5,096.00
520-70	CONCRETE TRAFFIC SEPARATOR, SP- VAR WIDT Comment: RCUTs at 18th St Blvd, and 24th St; Widen E of 11th St E.	614.11 SY	\$157.88	\$96,955.69
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" Comment: North S/W Placement; Ramps at 5th St W/22nd St E/30th St E/Natalie; Returns at 8th St W/5th St W/3rd St E/11th St E/24th St E/Fairway Gardens; S/W on north side east of 11th St E.	869.69 SY	\$84.88	\$73,819.29
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" Comment: Ramps at 5th St W/22nd St E/30th St E/Natalie; Returns at 8th St W/5th St W/3rd St E/11th St	440.78 SY	\$100.00	\$44,078.00

	E/24th St E/Fairway Gardens; Ramps on north side east of 11th St E.			
570-1-2	PERFORMANCE TURF, SOD	1,666.40 SY	\$7.66	\$12,764.62
	Comment: RCUTs at 18th St E/24th St E/66th St; Ramps at 22nd St E/30th St E; Returns at 8th St W/3rd St E/11th St E/24th/Fairway Gardens; North areas E of 11th St E.			
704-1-4	TUBULAR MARKER, 36" YELLOW POST	3.00 EA	\$233.29	\$699.87
	Comment: Needed for crosswalk/ramps on east leg of 5th St			
711-11-123	THERMOPLASTIC, STD, WHITE, SOLID, 12"	1,130.00 LF	\$3.86	\$4,361.80
	Comment: New markings to side streets and driveway where they do not exist: Chateau Ln, 5th St Circle, East Leg of 5th St W, 5th St E, B St, 11th St Cr, Tropical RV Park, and RIV Landing Center Entrance.			
711-14-125	THERMOPLASTIC, PREFORM, WHITE, SOLID, 24"	2,616.00 LF	\$17.49	\$45,753.84
	Comment: High emphasis crosswalks at side streets			
Roadway Component Total				\$850,668.84

SHOULDER COMPONENT

User Input Data

Description		Value		
X-Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	1,070.00 LF	\$54.18	\$57,972.60
	Comment: RCUTs at 18th St Blvd, 24th St and 66th St; and North curb E of 11th St E Median Widening east of 11th St.			
	Shoulder Component Total			\$57,972.60

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	3.00 EA	\$10,599.65	\$31,798.95
430-175-118	PIPE CULV, OPT MATL, ROUND, 18"S/CD	32.00 LF	\$437.48	\$13,999.36

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-2-43	MANHOLES, P-7, PARTIAL	3.00 EA	\$5,851.69	\$17,555.07
	Comment: Needed when widening east of 11th St			
Drainage Component Total				\$63,353.38

SIGNING COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
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700-1-912	SNGL GRND SIGN AS, F&I CANTI GM, 12-20	1.00 EA	\$3,582.91	\$3,582.91
	Comment: The widening east of 11th will impact the advance signal sign			
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00 EA	\$1,434.76	\$1,434.76
	Comment: The widening east of 11th will impact the advance signal sign			
	Signing Component Total			\$5,017.67

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	Miscellaneous
Multiplier	1
Description	5th Street

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	186.00 LF	\$32.93	\$6,124.98
	Comment: Ramps crossing the proposed east crosswalk			
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00 EA	\$1,608.52	\$12,868.16
	Comment: Ramps crossing the proposed east crosswalk			
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	2.00 EA	\$2,845.31	\$5,690.62
	Comment: Ramps crossing the proposed east crosswalk			
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	1.00 EA	\$485.01	\$485.01
	Comment: Ramps crossing the proposed east crosswalk			
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	2.00 AS	\$986.72	\$1,973.44
	Comment: Ramps crossing the proposed east crosswalk			
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	2.00 EA	\$479.37	\$958.74
	Comment: Ramps crossing the proposed east crosswalk			

Signalization 4

Description	Value
Type	Miscellaneous
Multiplier	1
Description	22nd Street E

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	60.00 LF	\$18.11	\$1,086.60
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	269.00 LF	\$32.93	\$8,858.17
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	10.00 EA	\$1,608.52	\$16,085.20
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	6.00 EA	\$2,845.31	\$17,071.86
	Comment: Ramps crossing the proposed east crosswalk and ramps crossing the existing north and west crosswalks.			
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	2.00 EA	\$485.01	\$970.02

	Comment: Ramps crossing the proposed east crosswalk and ramps crossing the existing north and west crosswalks.			
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	6.00 AS	\$986.72	\$5,920.32
	Comment: Ramps crossing the proposed east crosswalk and ramps crossing the existing north and west crosswalks.			
653-1-60	PEDESTRIAN SIGNAL, REMOVE	2.00 AS	\$161.04	\$322.08
	Comment: Ramps crossing the proposed east crosswalk and ramps crossing the existing north and west crosswalks.			
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	6.00 EA	\$479.37	\$2,876.22
	Comment: Ramps crossing the proposed east crosswalk and ramps crossing the existing north and west crosswalks.			
665-1-60	PEDESTRIAN DETECTOR, REMOVE	2.00 EA	\$71.77	\$143.54
	Comment: Ramps crossing the proposed east crosswalk and ramps crossing the existing north and west crosswalks.			

Signalization 6

Description	Value
Type	Miscellaneous
Multiplier	1
Description	30th Street E

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	40.00 LF	\$18.11	\$724.40
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	100.00 LF	\$32.93	\$3,293.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00 EA	\$1,608.52	\$3,217.04
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	1.00 EA	\$2,845.31	\$2,845.31
	Comment: East ramp crossing the existing south crosswalk. The pedestrian pole on the SW corner is shared and will be separated under the RRR funds.			
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	1.00 AS	\$986.72	\$986.72
	Comment: East ramp crossing the existing south crosswalk. The pedestrian pole on the SW corner is shared and will be separated under the RRR funds.			
653-1-60	PEDESTRIAN SIGNAL, REMOVE	1.00 AS	\$161.04	\$161.04
	Comment: East ramp crossing the existing south crosswalk. The pedestrian pole on the SW corner is shared and will be separated under the RRR funds.			
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	1.00 EA	\$479.37	\$479.37
	Comment: East ramp crossing the existing south crosswalk. The pedestrian pole on the SW corner is shared and will be separated under the RRR funds.			
665-1-60	PEDESTRIAN DETECTOR, REMOVE	1.00 EA	\$71.77	\$71.77
	Comment: East ramp crossing the existing south crosswalk. The pedestrian pole on the SW corner is shared and will be separated under the RRR funds.			

Signalization 7

Description	Value
Type	Miscellaneous
Multiplier	1
Description	24th Street E (Flashing Beacon)

X-Items				
Pay item	Description	Quantity	Unit	Unit Price Extended Amount
649-26-5	STEEL MAST ARM ASSEMBLY, REMOVE	4.00	EA	\$12,368.66 \$49,474.64
Signalizations Component Total				\$142,688.25
Sequence 9 Total				\$1,119,700.74

Sequence: 10 MIS - Miscellaneous Construction

Net Length: 6.541 MI
34,536 LF

Description: Proposed PHB's (Phase 52-02)

ROADWAY COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION Comment: Needed for Tropical Gardens PHB	10.37 CY	\$30.73	\$318.67
334-1-53	SUPERPAVE ASPH CONC, TRAF C, PG76-22 Comment: 5" - Needed for Raised PHB East of 4th Street E	92.40 TN	\$167.79	\$15,503.80
520-70	CONCRETE TRAFFIC SEPARATOR, SP- VAR WIDT Comment: Needed for Raised PHB East of 4th Street E	10.89 SY	\$157.88	\$1,719.31
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" Comment: Needed for Raised PHB East of 4th Street E and Tropical Gardens PHB	20.80 SY	\$84.88	\$1,765.50
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" Comment: Needed for Raised PHB East of 4th Street E and Tropical Gardens PHB	109.90 SY	\$100.00	\$10,990.00
527-2	DETECTABLE WARNINGS Comment: Needed for Raised PHB East of 4th Street E and Tropical Gardens PHB	88.00 SF	\$34.43	\$3,029.84
711-11-123	THERMOPLASTIC, STD, WHITE, SOLID, 12" Comment: Needed for Raised PHB East of 4th Street E	96.00 LF	\$3.86	\$370.56
711-11-125	THERMOPLASTIC, STD, WHITE, SOLID, 24" Comment: Needed for Raised PHB East of 4th Street E and Tropical Gardens PHB	94.00 LF	\$7.78	\$731.32
711-11-160	THERMOPLASTIC, STD, WHITE, MESSAGE Comment: Needed for Raised PHB East of 4th Street E and Tropical Gardens PHB	16.00 EA	\$213.75	\$3,420.00
711-11-170	THERMOPLASTIC, STD, WHITE, ARROW Comment: Needed for Raised PHB East of 4th Street E	4.00 EA	\$89.03	\$356.12
711-14-125	THERMOPLASTIC, PREFORM, WHITE, SOLID, 24" Comment: Needed for Raised PHB East of 4th Street E and Tropical Gardens PHB	218.00 LF	\$17.49	\$3,812.82
Roadway Component Total				\$42,017.94

SHOULDER COMPONENT

User Input Data

Description	Value
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X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E Comment: Needed at Tropical Gardens PHB	160.00 LF	\$54.18	\$8,668.80

Shoulder Component Total

\$8,668.80

SIGNING COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF Comment: Raised PHB= 2 Ped Sign W/ Ahead Plaque (W11-2/W16-9P) and 2 Ped Sign W/ Downward Arrow Plaque (W11-2/W16-7P) Tropical Gardens PHB = 2 Ped Sign W/ Ahead Plaque and 4 Ped Sign W/ Downward Arrow PI	10.00 EA	\$595.09	\$5,950.90
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF Comment: Needed for Raised PHB East of 4th Street E and Tropical Gardens PHB (2 EA)	4.00 EA	\$970.97	\$3,883.88
Signing Component Total				\$9,834.78

SIGNALIZATIONS COMPONENT**Signalization 1**

Description	Value
Type	Miscellaneous
Multiplier	1
Description	East of 4th St E PHB

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
611-1-1	ITSFM SUBSURFACE DOCUMENTATION- PROJ LEN	1.00 MI	\$5,090.03	\$5,090.03
611-2-1	ITSFM LOCATION DOCUMENTATION- INTERS	1.00 EA	\$3,511.51	\$3,511.51
630-2-11	CONDUIT, F& I, OPEN TRENCH	25.00 LF	\$18.11	\$452.75
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	70.00 LF	\$32.93	\$2,305.10
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$12,042.71	\$12,042.71
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00 EA	\$1,608.52	\$12,868.16
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$4,372.84	\$4,372.84
639-2-1	ELECTRICAL SERVICE WIRE, F&I	25.00 LF	\$12.97	\$324.25
639-3-11	ELEC SERV DISCON, F&I, POLE MNT	1.00 EA	\$2,048.11	\$2,048.11
641-2-12	PREST CNC POLE,F&I,TYP P-II SRV POLE	1.00 EA	\$2,275.62	\$2,275.62
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	2.00 EA	\$2,845.31	\$5,690.62
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	1.00 EA	\$78,186.70	\$78,186.70
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	2.00 AS	\$986.72	\$1,973.44
654-3-10	MID: PEDESTRIAN HYBRID BEACON, F&I, COMP	4.00 AS	\$2,255.38	\$9,021.52
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	2.00 EA	\$479.37	\$958.74

670-5-161	TRAF CNTL ASS,F&I, NEMA, STD LOCK, 1 PRE	1.00 AS	\$56,073.40	\$56,073.40
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	1.00 EA	\$6,643.13	\$6,643.13

Signalization 2

Description	Value
Type	Miscellaneous
Multiplier	1
Description	Tropical Gardens PHB

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
611-1-1	ITSFM SUBSURFACE DOCUMENTATION- PROJ LEN	1.00	MI	\$5,090.03	\$5,090.03
611-2-1	ITSFM LOCATION DOCUMENTATION- INTERS	1.00	EA	\$3,511.51	\$3,511.51
630-2-11	CONDUIT, F& I, OPEN TRENCH	20.00	LF	\$18.11	\$362.20
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	120.00	LF	\$32.93	\$3,951.60
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$12,042.71	\$12,042.71
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00	EA	\$1,608.52	\$19,302.24
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,372.84	\$4,372.84
639-2-1	ELECTRICAL SERVICE WIRE, F&I	20.00	LF	\$12.97	\$259.40
639-3-11	ELEC SERV DISCON, F&I, POLE MNT	1.00	EA	\$2,048.11	\$2,048.11
641-2-12	PREST CNC POLE,F&I,TYP P-II SRV POLE	1.00	EA	\$2,275.62	\$2,275.62
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	4.00	EA	\$2,845.31	\$11,381.24
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	1.00	EA	\$133,471.22	\$133,471.22
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	AS	\$986.72	\$3,946.88
654-3-10	MID: PEDESTRIAN HYBRID BEACON, F&I, COMP	4.00	AS	\$2,255.38	\$9,021.52
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	4.00	EA	\$479.37	\$1,917.48
670-5-161	TRAF CNTL ASS,F&I, NEMA, STD LOCK, 1 PRE	1.00	AS	\$56,073.40	\$56,073.40
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	1.00	EA	\$6,643.13	\$6,643.13
Signalizations Component Total					\$479,509.76

Sequence 10 Total	\$540,031.28
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Sequence: 11 MIS - Miscellaneous Construction

Net Length: 6.541 MI
34,536 LF

Description: Proposed Speed Tables (Phase 52-02)

ROADWAY COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
334-1-53	SUPERPAVE ASPH CONC, TRAF C, PG76-22 Comment: 5" - Needed at all 7 speed tables	661.36 TN	\$167.79	\$110,969.59
520-70	CONCRETE TRAFFIC SEPARATOR, SP- VAR WIDT Comment: Needed at speed table east of 3rd St W	72.20 SY	\$157.88	\$11,398.94
711-11-123	THERMOPLASTIC, STD, WHITE, SOLID, 12" Comment: Needed at all 7 speed tables	1,008.00 LF	\$3.86	\$3,890.88
711-11-170	THERMOPLASTIC, STD, WHITE, ARROW Comment: Needed at all 7 speed tables	28.00 EA	\$89.03	\$2,492.84
Roadway Component Total				\$128,752.25

SIGNING COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF Comment: Speed Humps Signs: W17-1 (Mod) and two No Ped Crossing Symbol Sign W/ Use Crosswalk plaque (R9-3/R9-3bP) at each location	20.00 EA	\$595.09	\$11,901.80
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20 Comment: Needed at 3rd St W / 3rd St Ct W due to the traffic separator	2.00 EA	\$2,083.22	\$4,166.44
Signing Component Total				\$16,068.24

Sequence 11 Total

\$144,820.49

Sequence: 12 MIS - Miscellaneous Construction

Net Length: 6.541 MI
34,536 LF

Description: 1st Street E Proposed Signal (Phase 52-02)

ROADWAY COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.01 AC	\$82,076.95	\$820.77
	Comment: NE return radius and side street recon			
110-4-10	REMOVAL OF EXIST CONC	170.00 SY	\$36.27	\$6,165.90
120-1	REGULAR EXCAVATION	270.00 CY	\$30.73	\$8,297.10
120-6	EMBANKMENT	135.00 CY	\$71.81	\$9,694.35
160-4	TYPE B STABILIZATION	29.90 SY	\$26.09	\$780.09
	Comment: NE radius improvements and side street recon			
285-709	OPTIONAL BASE,BASE GROUP 09	29.90 SY	\$32.04	\$958.00
	Comment: NE radius improvements and side street recon			
327-70-6	MILLING EXIST ASPH PAVT,1 1/2" AVG DEPTH	240.20 SY	\$3.48	\$835.90
	Comment: Side Street recon			
334-1-53	SUPERPAVE ASPH CONC, TRAF C, PG76-22	4.93 TN	\$167.79	\$827.20
	Comment: 3"			
520-1-10	CONCRETE CURB & GUTTER, TYPE F	294.00 LF	\$46.95	\$13,803.30
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	68.90 SY	\$84.88	\$5,848.23
	Comment: Ramps and S/W			
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	50.70 SY	\$100.00	\$5,070.00
	Comment: Ramps and S/W			
527-2	DETECTABLE WARNINGS	145.00 SF	\$34.43	\$4,992.35
570-1-2	PERFORMANCE TURF, SOD	181.33 SY	\$7.66	\$1,388.99
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	16.00 EA	\$116.03	\$1,856.48
711-11-123	THERMOPLASTIC, STD, WHITE, SOLID, 12"	420.00 LF	\$3.86	\$1,621.20
711-11-125	THERMOPLASTIC, STD, WHITE, SOLID, 24"	72.00 LF	\$7.78	\$560.16
711-14-125	THERMOPLASTIC, PREFORM, WHITE, SOLID,24"	238.00 LF	\$17.49	\$4,162.62
Roadway Component Total				\$67,682.64

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	1.00 EA	\$10,599.65	\$10,599.65
425-2-43	MANHOLES, P-7, PARTIAL	1.00 EA	\$5,851.69	\$5,851.69
430-175-118	PIPE CULV, OPT MATL, ROUND, 18"S/CD	24.00 LF	\$437.48	\$10,499.52
Drainage Component Total				\$26,950.86

SIGNING COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF Comment: R10-15A panels needed at all approaches	4.00	EA	\$970.97	\$3,883.88
700-5-22	INTERNAL ILLUM SIGN, F&I OM, 12-18 SF	4.00	EA	\$5,969.15	\$23,876.60
Signing Component Total					\$27,760.48

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	Miscellaneous
Multiplier	1
Description	1st Street

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
611-1-1	ITSFM SUBSURFACE DOCUMENTATION- PROJ LEN	1.00	MI	\$5,090.03	\$5,090.03
611-2-1	ITSFM LOCATION DOCUMENTATION- INTERS	1.00	EA	\$3,511.51	\$3,511.51
630-2-11	CONDUIT, F& I, OPEN TRENCH	80.00	LF	\$18.11	\$1,448.80
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	185.00	LF	\$32.93	\$6,092.05
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$12,042.71	\$12,042.71
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	18.00	EA	\$1,608.52	\$28,953.36
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,372.84	\$4,372.84
639-2-1	ELECTRICAL SERVICE WIRE, F&I	100.00	LF	\$12.97	\$1,297.00
639-3-11	ELEC SERV DISCON, F&I, POLE MNT	1.00	EA	\$2,048.11	\$2,048.11
641-2-12	PREST CNC POLE,F&I,TYP P-II SRV POLE	1.00	EA	\$2,275.62	\$2,275.62
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	8.00	EA	\$2,845.31	\$22,762.48
649-21-12	STEEL MAST ARM ASSEMBLY, F&I, 60'- 40'	1.00	EA	\$113,829.84	\$113,829.84
649-21-23	STEEL MAST ARM ASSEMBLY, F&I, 78'-40'	1.00	EA	\$157,166.87	\$157,166.87
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$1,800.78	\$21,609.36
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$986.72	\$7,893.76
660-4-11	VEHICLE DETECTION SYSTEM-VIDEO, CABINET	1.00	EA	\$19,711.45	\$19,711.45
660-4-12	VEHICLE DETECTION SYSTEM-VIDEO, ABOVE G	4.00	EA	\$10,823.57	\$43,294.28
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$479.37	\$3,834.96
670-5-161	TRAF CNTL ASS,F&I, NEMA, STD LOCK, 1 PRE	1.00	AS	\$56,073.40	\$56,073.40
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	1.00	EA	\$6,643.13	\$6,643.13
685-1-11	UPS POWER SUPPLY, F&I, LINE INTERACTIVE	1.00	EA	\$12,249.79	\$12,249.79

Signalizations Component Total

\$532,201.35

Sequence 12 Total

\$654,595.33

Date: 8/31/2026 3:41:45 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 456242-1-52-01

Letting Date: 07/2028

Description: SR 70 FROM EAST OF SR 45 (US 41) TO WEST OF TARA BOULEVARD

District: 01 **County:** 13 MANATEE **Market Area:** 10 **Units:** English

Contract Class: 1 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 6.541 MI

Project Manager: NEM-LAT-4P

Version 7-P Project Grand Total

\$29,174,227.57

Description: Final Safety Updates from Version 6P- 08/23/26

Resurfacing Lane Mile Cost	\$816,062.31
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Project Sequences Subtotal	\$19,951,350.80
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102-1	Maintenance of Traffic	15.00 %	\$2,992,702.62
101-1	Mobilization	10.00 %	\$2,294,405.34

Project Sequences Total	\$25,238,458.76
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Project Unknowns	15.00 %	\$3,785,768.81
Design/Build	0.00 %	\$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal	\$150,000.00
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Version 7-P Project Grand Total	\$29,174,227.57
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