

Change Order Concurrence

No. CO-01

DATE OF ISSUANCE: 11/08/2022

EFFECTIVE DATE: 11/08/2022

OWNER: Indian River County

CONTRACTOR: TIMOTHY ROSE CONTRACTING, INC.

Project: **SR 60 and 43<sup>rd</sup> AVENUE INTERSECTION IMPROVEMENTS**

OWNER's Project No.: JRC-0853

OWNER's Bid No.: 2019073

FM No.: 431759-2-54-01

You are directed to make the following changes in the Contract Documents:

**Issue A - Add Time, Time Related Costs and Extra Work Costs for Soil Injection Operation**

**Description:**

- Extend the Contract Time by 87 calendar days.
- Change the Contract Price as follows.

Description	Unit	Qty	Unit Price	Total
Extended MOT	Day	87	\$ 396.67	\$ 34,510.29
Extended Erosion Control and Maintenance	Day	87	\$ 38.89	\$ 3,383.43
Extended Indirect Costs and Expenses	Day	68	\$ 1,515.73	\$ 103,069.64
Remobilizations (TRC)	LS	1	\$ 17,607.58	\$ 17,607.58
Polyurethane Injection (Uretek)	LB	24,170	\$ 7.61	\$ 183,933.70
Pick-up Truck (MOT, Vac, & CCTV Crews)	Hour	81	\$ 49.64	\$ 4,020.84
VAC Truck	Day	9	\$ 2,508.64	\$ 22,577.76
CCTV Truck	Hour	81	\$ 230.99	\$ 18,710.19
VAC Truck Operator	Hour	81	\$ 74.70	\$ 6,050.70
Foreman (MOT, CCTV, & MOT Crews	LS	1	\$ 821.70	\$ 821.70
Skilled laborer (Vac & CCTV & MOT crews	LS	1	\$ 3,017.74	\$ 3,017.74
CCTV Truck Operator	Hour	81	\$ 72.03	\$ 5,834.43

**\$ 403,538.00**

**Reason for Change Order (Issue A):**

The purpose of this Change Order is to increase the Contract Time by 87 days for reasons beyond the Contractor's control, in accordance with General Condition 12.02 of the Contract. This Change Order will also provide compensation to the Contractor for Delay Damages in accordance with General Condition 12.06 of the Contract. Further, this Change Order will account for the costs associated with the actual work effort, all totaling \$403,538.00.

During construction of the 43rd Ave. & SR60 Intersection Improvements project, an existing drainage trunk line located under EB SR60 was found to have leaks after air voids were discovered between the pipe and existing roadway surface. Further investigations of the leaks and resulting voids were performed by FDOT personnel via GPR scanning below the roadway surface, and Contractor personnel via CCTV recordings inside the existing pipe. As a result of these investigations, the FDOT decided to have the County's contractor perform Polyurethane injection to fill the voids and stabilize the surrounding soils beneath the roadway surface. The work includes MOT setup for each shift, CCTV filming each shift, standby vacuum truck and Polyurethane injection (per Uretek proposal dated June 10, 2022) for three specific areas identified in the GPR scanning. All work will be

performed in accordance with Developmental Special Provision SECTION 173 SHALLOW SUBSURFACE POLYURETHANE INJECTION (attached as Exhibit D). Since this was a result of existing conditions not noted in the plans, these costs are unforeseen and consequently, the contractor is entitled to additional compensation.

When the Contractor found the voids, they stopped work on April 26, 2022, and submitted a notice of delay and intention to claim for additional costs. Subsequently, the FDOT engaged a consultant to perform ground penetrating radar (GPR) to determine the extent of the voids on April 27, 2022, with a report date of May 11, 2022.

After much discussion between the FDOT and the County, an agreement was reached to perform urethane soil injection in the void areas found through the GPR process and the Contractor was directed to perform the work.

After the agreement was reached, the Contractor engaged a subcontractor for the soil injection. Due to prior commitments, the subcontractor was not able to mobilize to the project until July 18, 2022. After mobilizing to the project, the subcontractor diligently pursued the soil injection and completed the work on July 27, 2022. The Contractor remobilized to the project and began productive work on August 2, 2022.

A time impact analysis was performed by the Engineer which determined there was an impact of 87 days to project completion date. In addition to accounting for the actual quantity, labor and equipment required, this Change Order also provides compensation to the Contractor for additional Maintenance of Traffic, Erosion Control & Maintenance and Indirect Costs, Expenses & Profit. The number of days used for the MOT and Erosion Control costs are the total time of time impact. The daily costs for these items was determined by dividing the total of each respective pay item by the Original Contract Time. To determine the Indirect Costs, Expenses & Profit, the FDOT formula (8% of Original Contract Cost/Original Contract Time) was applied to the impact days, less the 9 days on with the Contractor earned mark-up for extra work and less the first 10 compensable days, as allowed by FDOT Specification 4-3.2.

**Issue B - Material Price Increases to Asphalt Items**

**Description:**

- Change the Contract Price as follows

Pay Item #	Description	Original Contract Unit Price	Unit	Remaining Qty	Total based on Original Unit Price	Contractor Escalated Price	Total Revised Cost	Total Increase Cost
0286-2	Turnout Construction-Asphalt/Driveway Base-Asphalt	\$150.00	TN	54	\$ 8,100.00	\$ 243.00	\$ 13,122.00	\$ 5,022.00
0334-1-13	Superpave Asphaltic Concrete, Traffic C (SP 12.5 Overbuild)	\$115.00	TN	200	\$ 23,000.00	\$ 176.50	\$ 35,300.00	\$ 12,300.00
0334-1-13A	Superpave Asphaltic Concrete, Traffic C, PG 76-22 (SP 12.5 1/2" w/poly)	\$122.00	TN	1668	\$ 203,496.00	\$ 205.50	\$ 342,774.00	\$ 139,278.00
0337-7-82	Asphalt Concrete Friction Course, FC-9.5, Traffic C, PG 76-22 w/poly, 1" thick)	\$126.00	TN	2998	\$ 377,748.00	\$ 227.25	\$ 681,295.50	\$ 303,547.50
					<b>\$ 612,344.00</b>		<b>\$1,072,491.50</b>	<b>\$ 460,147.50</b>

**Reason for Change Order (Issue B):**

The purpose of this Change Order is to increase the Contract by \$460,147.50 for material price escalations beyond the Contractor’s control, in accordance with General Condition 12.01 of the Contract. This Change Order will provide compensation to the Contractor for the increased asphalt prices in contract pay items 0286-2 Turnout Construction-Asphalt/Driveway Base-Asphalt Material; 0337-1-13 (Superpave AC Traffic C Overbuild); 0334-1-13A Superpave AC Traffic C, PG 76-22 (w/polymer); and 0337-7-82 AC Friction Course FC-9.5.

The Contractor experienced significant delays to the project caused by relocation delays by FPL and added work at the FDOT’s request, namely the 54” diameter storm pipe that required urethane injecting the voided areas – see Issue A. These delays along with weather and holiday time extensions have pushed the construction of the asphalt approximately 300 days beyond their originally planned performance period and into a period of unusually high inflated costs. In accordance with General Condition 12.01 of the Contract, this Change Order will account for the increased costs for the remaining asphalt concrete to be placed on the project.

**Attachments: (List documents supporting change)**

- Change Order 01 Back-up Documentation (210 pages)

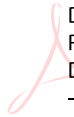
**FDOT PARTICIPATION REQUESTED: \$863,685.50**

CHANGE IN CONTRACT PRICE:	
Description	Amount
Original Contract Price	<u>\$13,641,589.27</u>
Net Increase (Decrease) from previous Change Orders No. <u>N/A</u> to <u>N/A</u> :	<u>\$0.00</u>
Contract Price prior to this Change Order:	<u>\$13,641,589.27</u>
Net increase (decrease) of this Change Order:	<u>\$863,685.50</u>
Contract Price with all approved Change Orders:	<u>\$14,505,274.77</u>

CHANGE IN CONTRACT TIMES	
Description	Time
Original Contract Time:	(days or dates)
Substantial Completion:	<u>690</u>
Final Completion:	<u>720</u>
Net change from previous Change Orders No. _____ to _____:	(days)
Substantial Completion:	<u>0</u>
Final Completion:	<u>0</u>
Contract Time prior to this Change Order:	(days or dates)
Substantial Completion:	<u>690</u>
Final Completion:	<u>720</u>
Net increase (decrease) this Change Order:	(days or dates)
Substantial Completion:	<u>87</u>
Final Completion:	<u>87</u>
Contract Time with all approved Change Orders:	(days or dates)
Substantial Completion:	<u>777</u>
Final Completion:	<u>807</u>

Note the above Changes in Contract Time do not include previous adjustments for Weather and Holidays

CONCURRED: Jim Hughes, PE/Chloann Lawrence  By:
FDOT (Signature)    Date:

RECOMMENDED: William R Adams, III, P.E. By: <b>William R Adams</b>  Digitally signed by William R Adams Date: 2022.11.08 10:51:31 -05'00'
ENGINEER (Signature)    Date:

## CHANGE ORDER BACK-UP DOCUMENTATION

FIN No.: 431759-2-54-01Contract No: IRC-0853Change Order No.: 01Amount \$863,685.50 and 87 Days

### Issue A – Add Time, Time Related Costs and Extra Work Costs for Soil Injection Operation

#### I. Entitlement Analysis

The purpose of this Change Order is to increase the Contract Time by 87 days for reasons beyond the Contractor's control, in accordance with General Condition 12.02 of the Contract. This Change Order will also provide compensation to the Contractor for Delay Damages in accordance with General Condition 12.06 of the Contract. Further, this Change Order will account for the costs associated with the actual work effort, all totaling \$403,538.00.

During construction of the 43rd Ave. & SR60 Intersection Improvements project, an existing drainage trunk line located under EB SR60 was found to have leaks after air voids were discovered between the pipe and existing roadway surface. Further investigations of the leaks and resulting voids were performed by FDOT personnel via GPR scanning below the roadway surface, and Contractor personnel via CCTV recordings inside the existing pipe. As a result of these investigations, the FDOT decided to have the County's contractor perform Polyurethane injection to fill the voids and stabilize the surrounding soils beneath the roadway surface. The work includes MOT setup for each shift, CCTV filming each shift, standby vacuum truck and Polyurethane injection (per Uretek proposal dated June 10, 2022) for three specific areas identified in the GPR scanning. All work will be performed in accordance with Developmental Special Provision SECTION 173 SHALLOW SUBSURFACE POLYURETHANE INJECTION (attached as Exhibit D). Since this was a result of existing conditions not noted in the plans, these costs are unforeseen and consequently, the contractor is entitled to additional compensation.

When the Contractor found the voids, they stopped work on April 26, 2022, and submitted a notice of delay and intention to claim for additional costs. Subsequently, the FDOT engaged a consultant to perform ground penetrating radar (GPR) to determine the extent of the voids on April 27, 2022, with a report date of May 11, 2022.

After much discussion between the FDOT and the County, an agreement was reached to perform urethane soil injection in the void areas found through the GPR process and the Contractor was directed to perform the work.

After the agreement was reached, the Contractor engaged a subcontractor for the soil injection. Due to prior commitments, the subcontractor was not able to mobilize to the project until July 18, 2022. After mobilizing to the project, the subcontractor diligently pursued the soil injection and completed the work on July 27, 2022. The Contractor remobilized to the project and began productive work on August 2, 2022.

#### II. Time Analysis

A time impact analysis was performed by the Engineer which determined there was an impact of 87 days to project completion date – see Exhibit C. The Contractor requested 87 days. It was agreed to grant 87 calendar days.

### III. Engineer's Estimate

#### a. Basis of Estimate

The Engineer's Estimate for the time related costs totaling \$140,936.36 was based the original contract amounts for the MOT (\$285,600.00) and Erosion Control (\$28,000.00) pay items divided by the number of original contract days (720 calendar days) to determine daily rates of \$396.67 and \$38.89, respectively. For the Indirect costs, Expenses and Profit, the industry standard 8% formula ( $\$13,641,589.27 \times 0.08 / 720$  cal. days) was used to develop a daily rate of \$1,515.73, which was applied to the days of delay, less the industry standard 10 days allowed by FDOT Specification 4-3.2 as well as the 9 days during which the Contractor performed the extra work. Compensation for the indirect costs on the days of the extra work are included in the markup on the extra work.

#### b. Estimate

The Engineer's Estimate for the extra work and time-related costs of \$404,682.79 as detailed below:

#### Time Related Costs:

Description	Unit	Quantity	Unit Cost	Amount
Extended MOT	Day	87	\$396.67	\$34,510.29
Extended Erosion Control & Maintenance	Day	87	\$38.89	\$3,383.43
Extended Indirect Costs, Expenses, and Profit	Day	68	\$1,515.73	\$103,069.64
			<b>Total</b>	<b>\$140,963.36</b>

#### Extra Work Costs:

Equipment	Unit	Actual Quantity	Unit Cost w/ M-Up	Total Cost
Pickup Truck (MOT, Vac, & CCTV Crews)	hrs.	81	\$ 49.64	\$ 4,020.84
Vac Truck	hrs.	0	\$ 36.18	\$ -
Vac Truck (Revised Pricing)	Day	9	\$ 2,508.64	\$ 22,577.76
CCTV Truck (F-550)	hrs.	81	\$ 230.99	\$ <u>18,710.19</u>
				\$ 45,308.79

Labor	Unit			
Foreman (MOT, CCTV, & MOT Crews)	hrs.	81	106.72	\$ 8,644.32
Vac Truck Operator	hrs.	81	74.7	\$ 6,050.70
Skilled Laborer (Vac & CCTV & MOT Crews)	hrs.	268	52.03	\$ 13,944.04
CCTV Truck Operator	hrs.	81	72.03	\$ <u>5,834.43</u>
				\$ 34,473.49

Subcontractor	Unit	Actual Quantity		
Polyurethane	lbs.	24,170.45	7.61	\$ 183,937.15

**\$ 263,719.43**

**c. Contractor's Quote**

The Contractor's quote for all of the work including time related costs is \$432,903.35.

**d. Final Disposition**

The County and the Contractor have agreed to a final cost of \$403,538.00 as detailed below:

Description	Unit	Qty	Unit Price	Total
Extended MOT	Day	87	\$ 396.67	\$ 34,510.29
Extended Erosion Control and Maintenance	Day	87	\$ 38.89	\$ 3,383.43
Extended Indirect Costs and Expenses	Day	68	\$ 1,515.73	\$ 103,069.64
Remobilizations (TRC)	LS	1	\$ 17,607.58	\$ 17,607.58
Polyurethane Injection (Uretek)	LB	24,170	\$ 7.61	\$ 183,933.70
Pick-up Truck (MOT, Vac, & CCTV Crews)	Hour	81	\$ 49.64	\$ 4,020.84
VAC Truck	Day	9	\$ 2,508.64	\$ 22,577.76
CCTV Truck	Hour	81	\$ 230.99	\$ 18,710.19
VAC Truck Operator	Hour	81	\$ 74.70	\$ 6,050.70
Foreman (MOT, CCTV, & MOT Crews)	LS	1	\$ 821.70	\$ 821.70
Skilled laborer (Vac & CCTV & MOT crews)	LS	1	\$ 3,017.74	\$ 3,017.74
CCTV Truck Operator	Hour	81	\$ 72.03	\$ 5,834.43

**\$ 403,538.00**

**IV. CRS Coding**

012 Deterioration of, or damage to, project after design (not weather related)

- a. Avoidability Code: 0 - Unavoidable: No Remedial Action Required
- b. Cost Recovery Code: N - No Action Recommended
- c. Claim/Extend Limits Code: N – Neither

**V. Premium Cost Analysis**

There are premium costs totaling \$132,687.72 which represent the time related costs associated with the delay period.

Description	Unit	Quantity	Unit Cost	Amount
Extended MOT	Day	68	\$396.67	\$26,973.56
Extended Erosion Control & Maintenance	Day	68	\$38.89	\$2,644.52
Extended Indirect Costs, Expenses, and Profit	Day	68	\$1,515.73	\$103,069.64
			<b>Total</b>	\$132,687.72

Agree       Disagree

Pursue Cost Recovery?       Yes       No

**VI. Statement of Claim Settlement Costs**

None

**VIII. Statutory Reason:**

This contract modification is being done in compliance with Florida Statute 337.11 (9),

to provide for unforeseen work, grade changes, or alterations in plans which could not reasonably have been contemplated or foreseen in the original plans and specifications.



**VII. Federal Aid Participation**

Time: Zero (0) Days

Cost: \$0.00

Participating

Non-Participating

**William R  
Adams**

Digitally signed by William R  
Adams  
Date: 2022.11.08 10:52:28  
-05'00'

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William R. Adams III, P.E. – Sr. Project Engineer

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Date

**Attachments**

- Exhibit A: Contractor’s Notice of Delay for 54” Storm Pipe – Soil Settlement Impacts dated April 26, 2022 (29 pages)
- Exhibit B: Contractor’s Request for Time and Compensation dated June 11, 2022 (6 pages)
- Exhibit C: Engineer’s Time Impact Analysis for 54” Storm Pipe – Soil Settlement Impacts (7 Pages)
- Exhibit D: Engineer’s Cost Estimate (8 pages)
- Exhibit E: Engineer’s Work Records (45 pages)
- Exhibit F: Contractor’s Revised Pricing based on Actuals dated August 25, 2022 (3 pages)
- Exhibit G: Email correspondence dated June 24, 2022 (2 pages)
- Exhibit H: FDOT Developmental Specification Section 173 (6 pages)

## Issue B: Material Price Increases to Asphalt Items

### VIII. Entitlement Analysis

The purpose of this Change Order is to increase the Contract by \$460,147.50 for material price escalations beyond the Contractor's control, in accordance with General Condition 12.01 of the Contract. This Change Order will provide compensation to the Contractor for the increased asphalt prices in contract pay items 0286-2 Turnout Construction-Asphalt/Driveway Base-Asphalt Material; 0337-1-13 (Superpave AC Traffic C Overbuild); 0334-1-13A Superpave AC Traffic C, PG 76-22 (w/polymer); and 0337-7-82 AC Friction Course FC-9.5.

The Contractor experienced significant delays to the project caused by relocation delays by FPL and added work at the FDOT's request, namely the 54" diameter storm pipe that required urethane injecting the voided areas – see Issue A. These delays along with weather and holiday time extensions have pushed the construction of the asphalt approximately 300 days beyond their originally planned performance period and into a period of unusually high inflated costs. In accordance with General Condition 12.01 of the Contract, this Change Order will account for the increased costs for the remaining asphalt concrete to be placed on the project.

### IX. Time Analysis

This issue is a price escalation issue and time is not warranted nor requested by the Contractor.

### X. Engineer's Estimate

#### a. Basis of Estimate

For the Engineer's Estimate, recent FDOT Bid Tabulations were used and applied to the estimated remaining quantities of asphalt concrete required to complete the project.

#### b. Engineer's Estimate

Pay Item #	Description	Original Contract Unit Price	Unit	Remaining Qty	Total based on Original Unit Price	Basis	EE Unit Price	Total Revised Cost	Total Increase Cost
0286-2	Turnout Construction-Asphalt/Driveway Base-Asphalt	\$150.00	TN	54	\$ 8,100.00	FDOT Bid Tabs	\$ 388.21	\$ 20,963.11	\$ 12,863.11
0334-1-13	Superpave Asphaltic Concrete, Traffic C (SP 12.5 Overbuild)	\$115.00	TN	200	\$ 23,000.00	FDOT Bid Tabs	\$ 986.86	\$ 197,371.29	\$ 174,371.29
0334-1-13A	Superpave Asphaltic Concrete, Traffic C, PG 76-22 (SP 12.5 1/2" w/poly)	\$122.00	TN	1668	\$ 203,496.00	FDOT Bid Tabs	\$ 394.88	\$ 658,657.86	\$ 455,161.86
0337-7-82	Asphalt Concrete Friction Course, FC-9.5, Traffic C, PG 76-22 w/poly, 1" thick)	\$126.00	TN	2998	\$ 377,748.00	FDOT Bid Tabs	\$ 272.11	\$ 815,774.46	\$ 438,026.46
					\$ 612,344.00			\$ 1,692,766.72	\$1,080,422.72

#### c. Contractor's Pricing

Pay Item #	Description	Original Contract Unit Price	Unit	Remaining Qty	Total based on Original Unit Price	Contractor Escalated Price	Total Revised Cost	Total Increase Cost
0286-2	Turnout Construction-Asphalt/Driveway Base-Asphalt	\$150.00	TN	54	\$ 8,100.00	\$ 243.00	\$ 13,122.00	\$ 5,022.00
0334-1-13	Superpave Asphaltic Concrete, Traffic C (SP 12.5 Overbuild)	\$115.00	TN	200	\$ 23,000.00	\$ 176.50	\$ 35,300.00	\$ 12,300.00
0334-1-13A	Superpave Asphaltic Concrete, Traffic C, PG 76-22 (SP 12.5 1/2" w/poly)	\$122.00	TN	1668	\$ 203,496.00	\$ 205.50	\$ 342,774.00	\$ 139,278.00
0337-7-82	Asphalt Concrete Friction Course, FC-9.5, Traffic C, PG 76-22 w/poly, 1" thick)	\$126.00	TN	2998	\$ 377,748.00	\$ 227.25	\$ 681,295.50	\$ 303,547.50
					<b>\$ 612,344.00</b>		<b>\$1,072,491.50</b>	<b>\$ 460,147.50</b>

**d. Final Disposition**

The County and the Contractor have agreed to a final cost of \$460,147.50.

**XI. CRS Coding**

004 Design Standards, Specification or Policy change after contract letting

- a. Avoidability Code: 0 - Unavoidable: No Remedial Action Required
- b. Cost Recovery Code: N - No Action Recommended
- c. Claim/Extend Limits Code: N – Neither

**XII. Premium Cost Analysis**

There are no premium costs associated with this issue. If the project had been bid during this period of high inflation, the bid price would have been proportionally higher.

Agree       Disagree

Pursue Cost Recovery?       Yes       No

**XIII. Statement of Claim Settlement Costs**

None

**VIII. Statutory Reason:**

This contract modification is being done in compliance with Florida Statute 337.11 (9),

to provide for unforeseen work, grade changes, or alterations in plans which could not reasonably have been contemplated or foreseen in the original plans and specifications.

**XIV. Federal Aid Participation**

Time: Zero (0) Days

Cost: \$0.00

Participating

Non-Participating

**William R  
Adams**

Digitally signed by William R  
Adams  
Date: 2022.11.08 10:52:48  
-05'00'

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William R. Adams III, P.E. – Sr. Project Engineer

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Date

**Attachments**

- Exhibit A: Contractor's Change Order Request dated 11/3/22 (3 pages)
- Exhibit B: Engineer's Cost Estimate (86 pages)



p. 772-610-5580 | f. 772.610.5665

Sean A. Mickley, Esq.  
Board Certified in Construction Law

1701 Highway A1A, Suite 102  
Vero Beach, FL 32963  
whitebirdlaw.com

April 26, 2022

*Sent via Certified Mail*  
Indian River County  
Public Works Department  
c/o Rich Szpyrka  
1801 27<sup>th</sup> Street  
Vero Beach, Florida 32960

*Sent via Certified Mail*  
Fla. Dept. of Transportation  
c/o ChloAnne Lawrence  
Construction Manager, District 4  
3601 Oleander Avenue  
Ft. Pierce, Florida 34982

**Contractor:** Timothy Rose Contracting, Inc.  
**Project:** 43<sup>rd</sup> Avenue Expansion Project – Vero Beach, Florida  
**Re:** Underground Drainage Pipe Under EB State Road 60  
**NOTICE OF CLAIM**

Dear Mr. Szpyrka and Ms. Lawrence:

WhiteBird, PLLC represents the interests of the Contractor with respect to the above-referenced Project and issue thereon. This letter serves as the Contractor's formal notice that it cannot and will not warrant any of its roadwork, curbing, or sidewalk work on the westbound or eastbound sides of State Road 60 to the east of 43<sup>rd</sup> Avenue, unless and until the underground drainage pipe failures are addressed to the satisfaction of the Contractor, Indian River County, the FDOT, and any engineers addressing the remediation of the underground drainage pipe and the surrounding soils.

As you know, about one year ago, the Contractor discovered an unforeseen and differing site condition under State Road 60 just east of the 43<sup>rd</sup> Avenue intersection. Specifically, the drainage pipe that runs from 43<sup>rd</sup> Avenue eastbound under State Road 60 had significant failures. At that time, the Contractor put the FDOT and its CEI firm on notice that there would be no warranty provided on the portion of roadway work lying above the drainage pipe unless it was satisfactorily repaired. In response, the

FDOT put the repair in its maintenance contractor, D.B.I.'s, hands. The now defunct, D.B.I., hired an independent contractor to install a few internal bands to seal the voids.

Just recently, the Contractor was removing the curb and sidewalk around 38<sup>th</sup> Avenue on eastbound State Road 60 and found huge voids under the road, sidewalk, and curb. *See*, Exhibit A, photos of the pipe. The Contractor immediately stopped work and met with the County and the FDOT's current maintenance contractor to develop a plan to address the issue. Over the last few days, the Contractor, using a CCTV truck, has discovered that roughly 1500LF of 54" reinforced concrete pipe is failing, and that the internal bands installed by the FDOT are failing with active leaks, cracks and severe joint separation throughout the pipe run. *See*, Exhibit B, report from CCTV truck. Making matters worse, there are lateral pipe runs under State Road 60 that connect to the drainage pipe under westbound State Road 60. At this time, the Contractor is unaware of the condition of the lateral pipes or the drainage pipe under westbound State Road 60

Based upon the CCTV findings, the Contractor, County representatives, the FDOT's maintenance contractor, the Project's CEI firm have reached an opinion that the underground pipe under eastbound State Road 60 needs to be repaired to ensure that the roadway is not at risk for future failure. Given the significant unforeseen condition and the remedial steps that need to be taken, the Project from 43<sup>rd</sup> Avenue eastbound on State Road 60 is on hold until the pipe is repaired consistent with the remedial design protocol. The pipe reports are included with this letter for your collective review. Further, the Contractor demands that the County and/or the FDOT take immediate steps to investigate the lateral pipe runs and the westbound State Road 60 drainage pipe using CCTV.

This notice serves as the Contractor's claim for an equitable adjustment in the Contract Time and Price for time and costs associated with the Project delays caused by the unforeseen and differing site condition under State Road 60. Furthermore, the Contractor also provides notice that it cannot and will not provide any warranty on the roadwork, curbing, and sidewalk work east of 43<sup>rd</sup> Avenue on State Road 60, unless and until the underground pipe is remediated to the reasonable satisfaction of the Contractor.

The Contractor sends this notice without waiving any and all rights to any claims or damages that it might incur as a result of the underground pipe condition or repairs associated therewith, including, but not limited to, idle rental equipment, idle or standby labor costs, extended general conditions, and additional contract time to complete the Project.

Regards,

A handwritten signature in blue ink, appearing to read "S. Mickley". The signature is stylized with a large initial "S" and a distinct "M".

Sean A. Mickley









## Main Inspections Summary

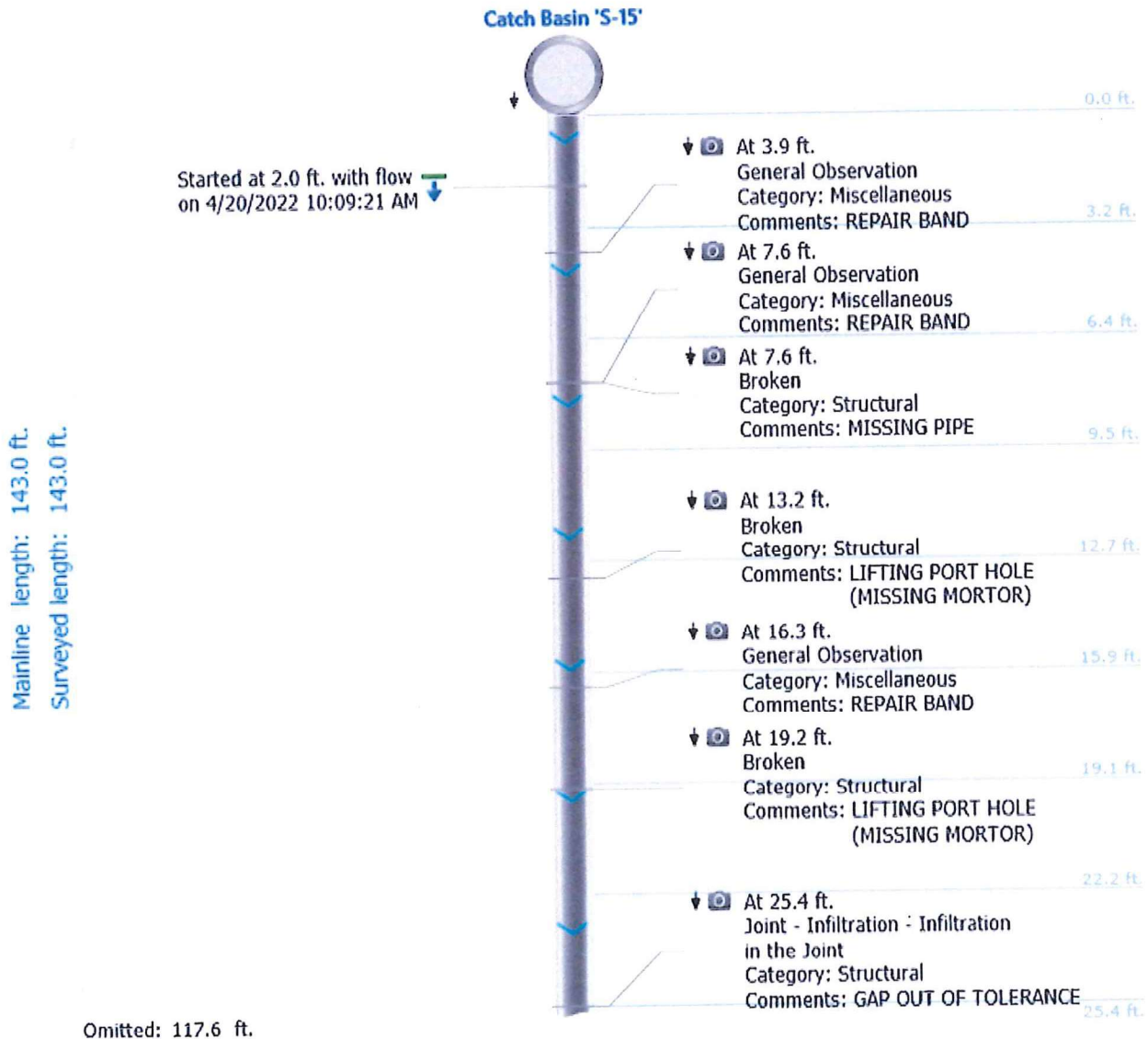
### ROUTE 60 AND 41ST AVE

Mainline ID	End date/time	Operator	Start MH	Finish MH	Pipe material	Pipe height	Asset length	Surveyed
S-15 TO S-16	4/20/2022 11:13 AM	DEE	S-15	S-16	Concrete Reinforced	54.0 in.	143.0 ft.	143.0 ft.
S-16 TO S-17	4/20/2022 11:56 AM	DEE	S-16	S-17	Concrete Reinforced	54.0 in.	164.0 ft.	164.0 ft.
S-17 TO S-MH2	4/21/2022 10:55 AM	DEE	S-17	S-MH2	Concrete Reinforced	54.0 in.	400.4 ft.	400.4 ft.
S-15 TO S-10	4/21/2022 1:15 PM	DEE	S-15	S-10	Concrete Reinforced	54.0 in.	84.8 ft.	84.8 ft.
S-10 TO S-9	4/21/2022 2:22 PM	DEE	S-10	S-9		54.0 in.	157.1 ft.	157.1 ft.
S-9 TO S-5	4/21/2022 3:03 PM	DEE	S-5	S-9	Concrete Reinforced	54.0 in.	163.5 ft.	163.5 ft.
S-9 TO S-8	4/21/2022 3:52 PM	DEE	S-9	S-8	Concrete Reinforced	54.0 in.	209.3 ft.	209.3 ft.
S-4 TO S-5	4/22/2022 11:02 AM	DEE	S-4	S-5	Concrete Reinforced	54.0 in.	2.0 ft.	203.9 ft.
<b>Sub-Total</b>							<b>1,324.1 ft.</b>	<b>1,526.0 ft.</b>
<b>Total</b>							<b>1,457.9 ft.</b>	<b>1,659.8 ft.</b>

American Water Sewer  
Drain  
825 8th street  
Vero Beach, FL  
(772)-492-9340

## Main Inspections Pipe Run

Project name: <b>ROUTE 60 AND 41ST AVE</b>	Mainline ID: <b>S-15 TO S-16</b>	City: <b>VERO BEACH FL</b>	Address:
Start date/time: <b>4/20/2022 10:09 AM</b>	Direction: <b>With the flow</b>	Weather: <b>Dry</b>	Surface condition:
Pipe shape: <b>Circular</b>	Pipe material: <b>Concrete Reinforced</b>	Pipe height: <b>54.0 in.</b>	Pipe width: <b>54.0 in.</b>



Project name: ROUTE 60 AND 41ST AVE  
Mainline ID: S-15 TO S-16

Start date/time: 4/20/2022 10:09 AM

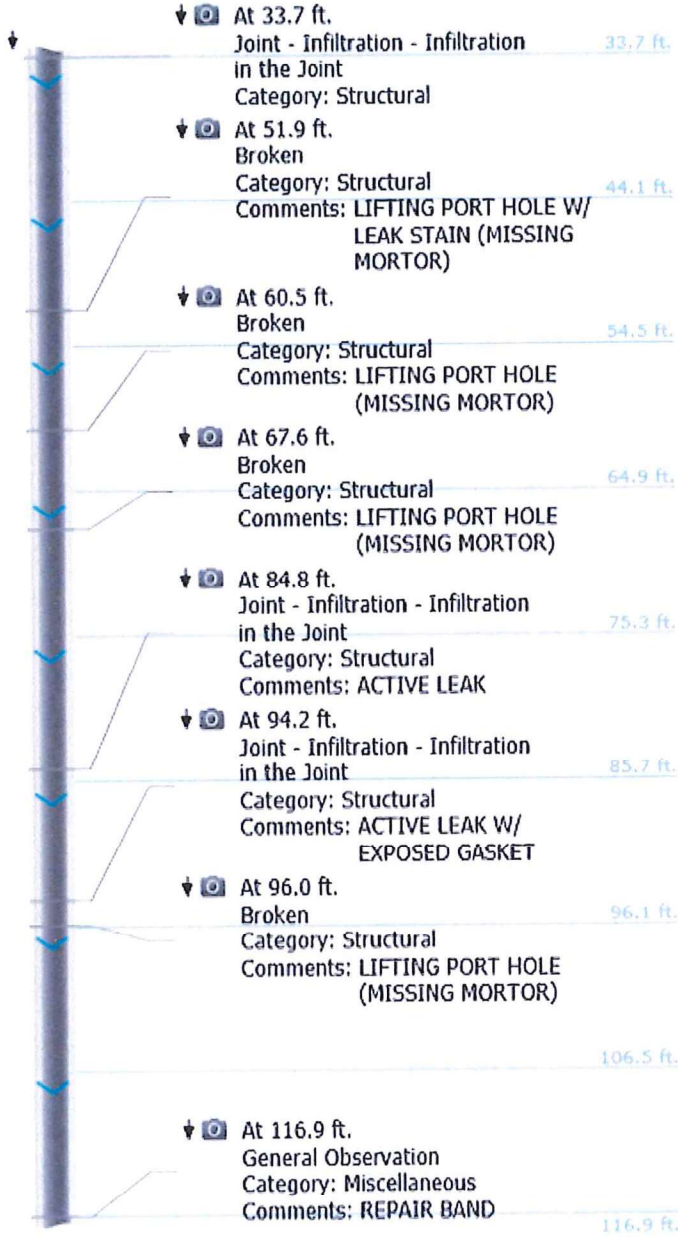
Direction: With the flow

Weather: Dry

Mainline length: 143.0 ft.  
Surveyed length: 143.0 ft.

Omitted: 33.7 ft.

Omitted: 26.1 ft.

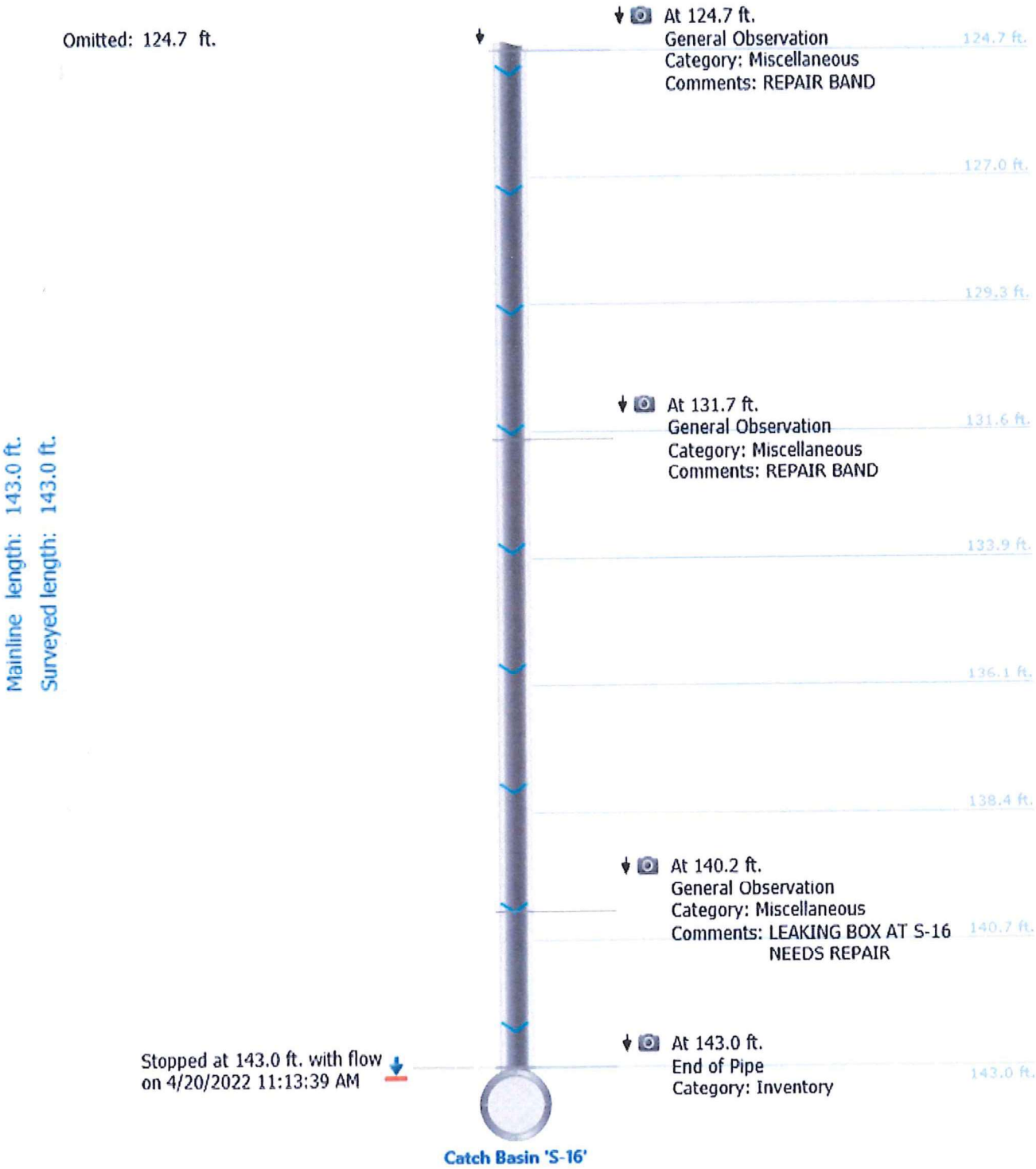


Project name: ROUTE 60 AND 41ST AVE S-15 TO S-16  
Mainline ID: S-15 TO S-16

Start date/time: 4/20/2022 10:09 AM

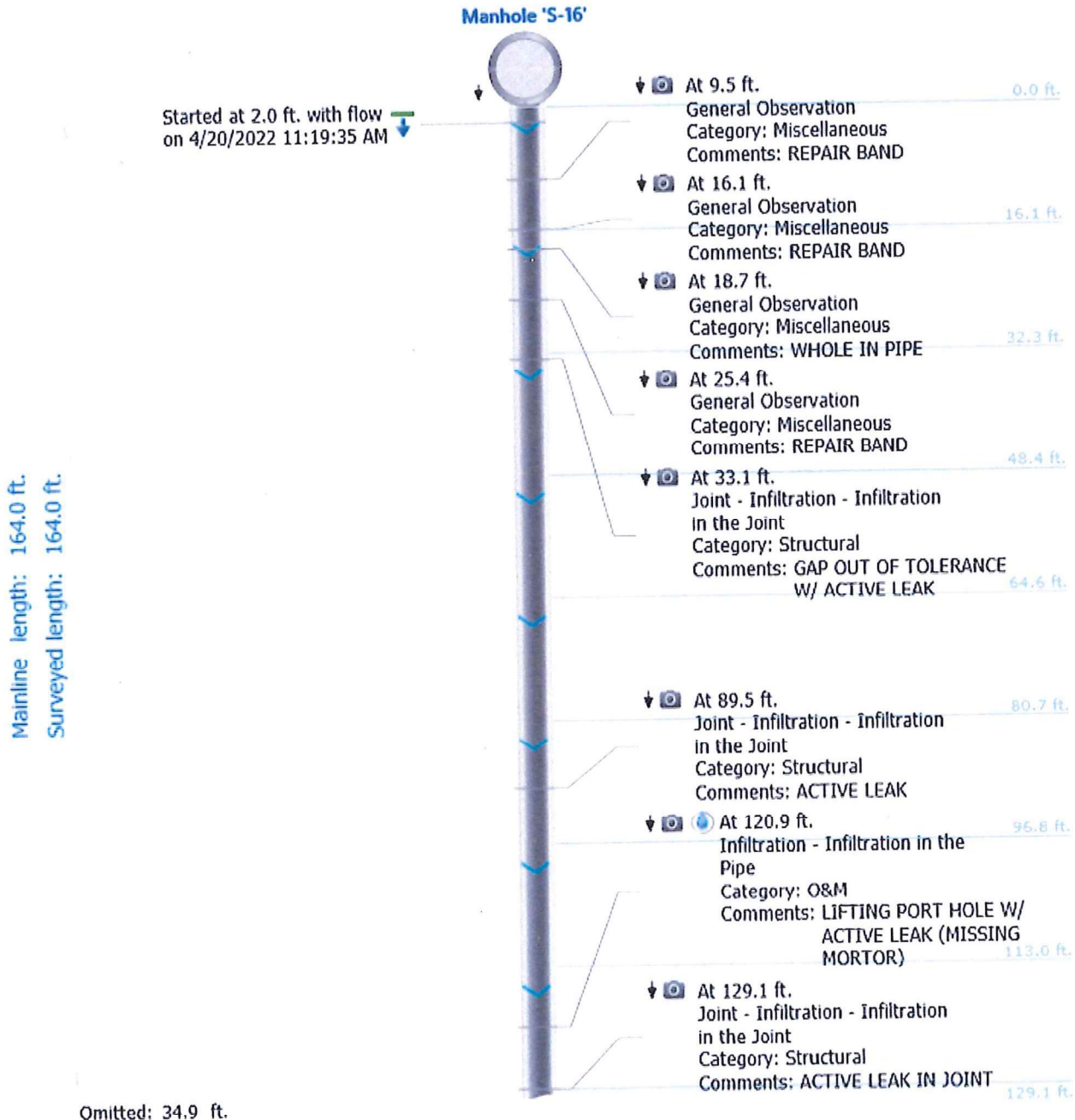
Direction: With the flow

Weather: Dry



# Main Inspections Pipe Run

Project name: <b>ROUTE 60 AND 41ST AVE</b>	Mainline ID: <b>S-16 TO S-17</b>	City: <b>VERO BEACH FL</b>	Address:
Start date/time: <b>4/20/2022 11:19 AM</b>	Direction: <b>With the flow</b>	Weather: <b>Dry</b>	Surface condition:
Pipe shape: <b>Circular</b>	Pipe material: <b>Concrete Reinforced</b>	Pipe height: <b>54.0 in.</b>	Pipe width: <b>54.0 in.</b>



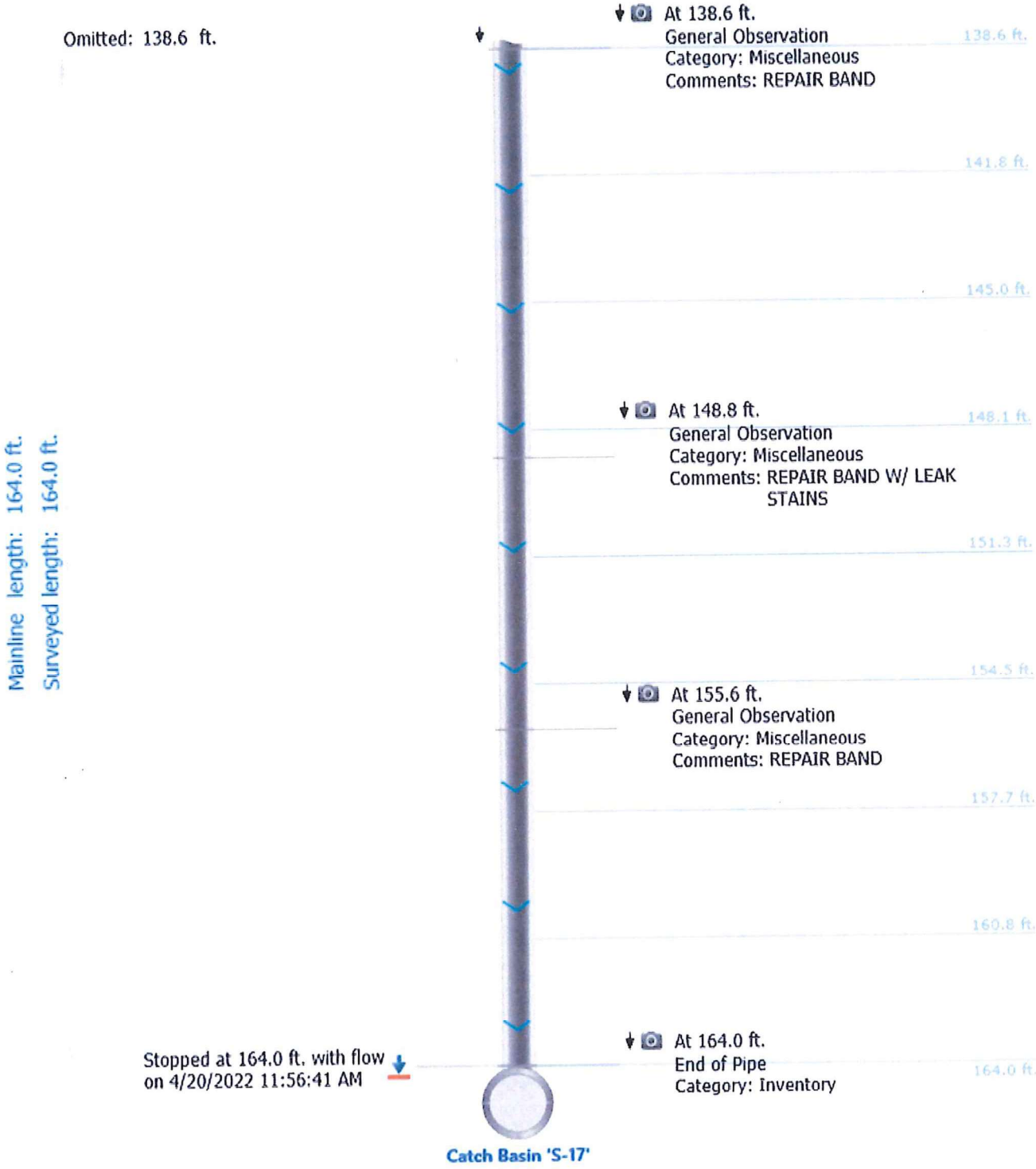
Project name: ROUTE 60 AND 41ST AVE S-16 TO S-17  
Mainline ID:

Start date/time: 4/20/2022 11:19 AM

Direction: With the flow

Weather:

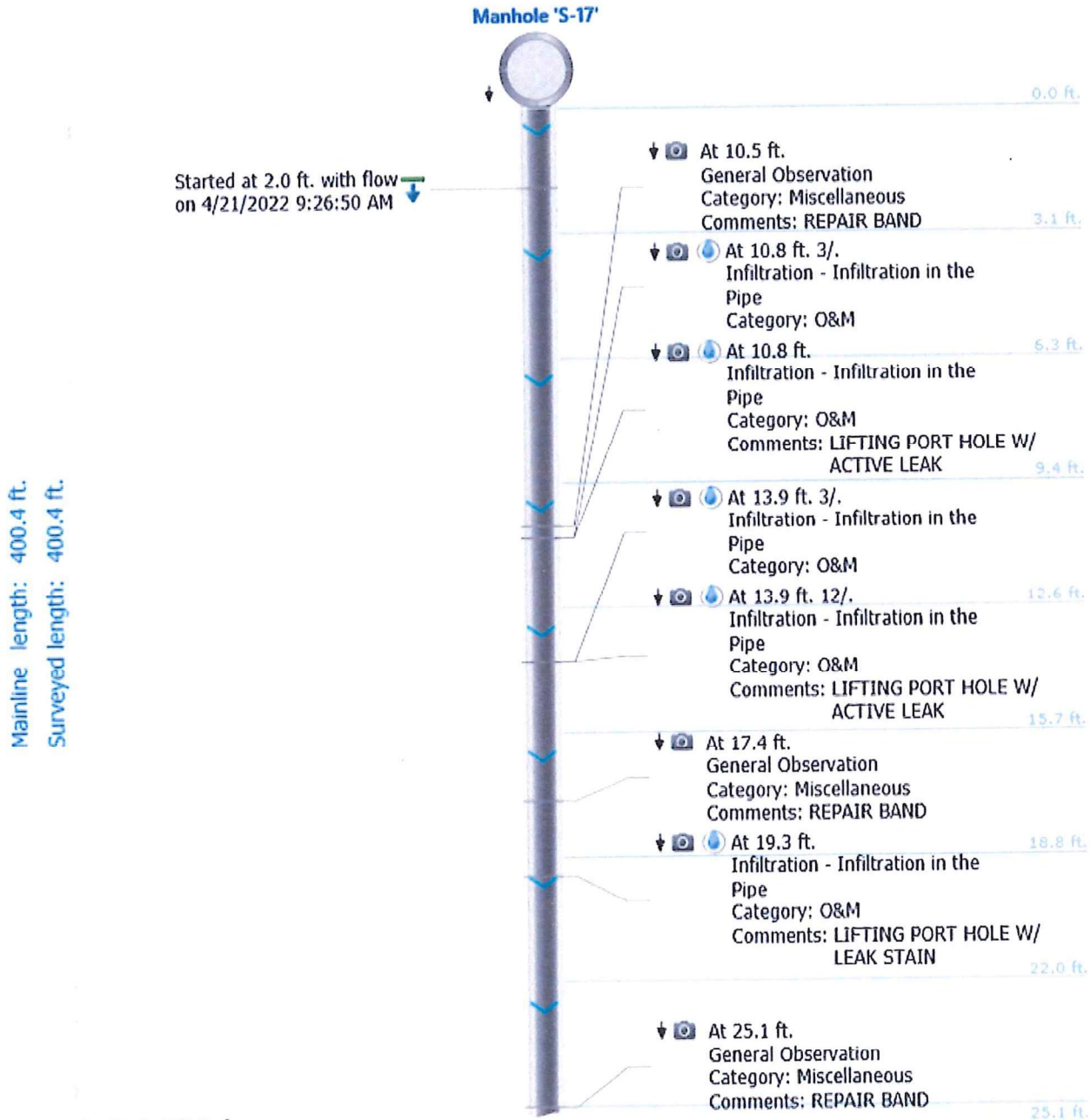
Dry





# Main Inspections Pipe Run

Project name: <b>ROUTE 60 AND 41ST AVE</b>	Mainline ID: <b>S-17 TO S-MH2</b>	City: <b>VERO BEACH FL</b>	Address:
Start date/time: <b>4/21/2022 9:26 AM</b>	Direction: <b>With the flow</b>	Weather: <b>Dry</b>	Surface condition:
Pipe shape: <b>Circular</b>	Pipe material: <b>Concrete Reinforced</b>	Pipe height: <b>54.0 in.</b>	Pipe width: <b>54.0 in.</b>



Project name: Mainline ID:  
ROUTE 60 AND 41ST AVE S-17 TO S-MH2

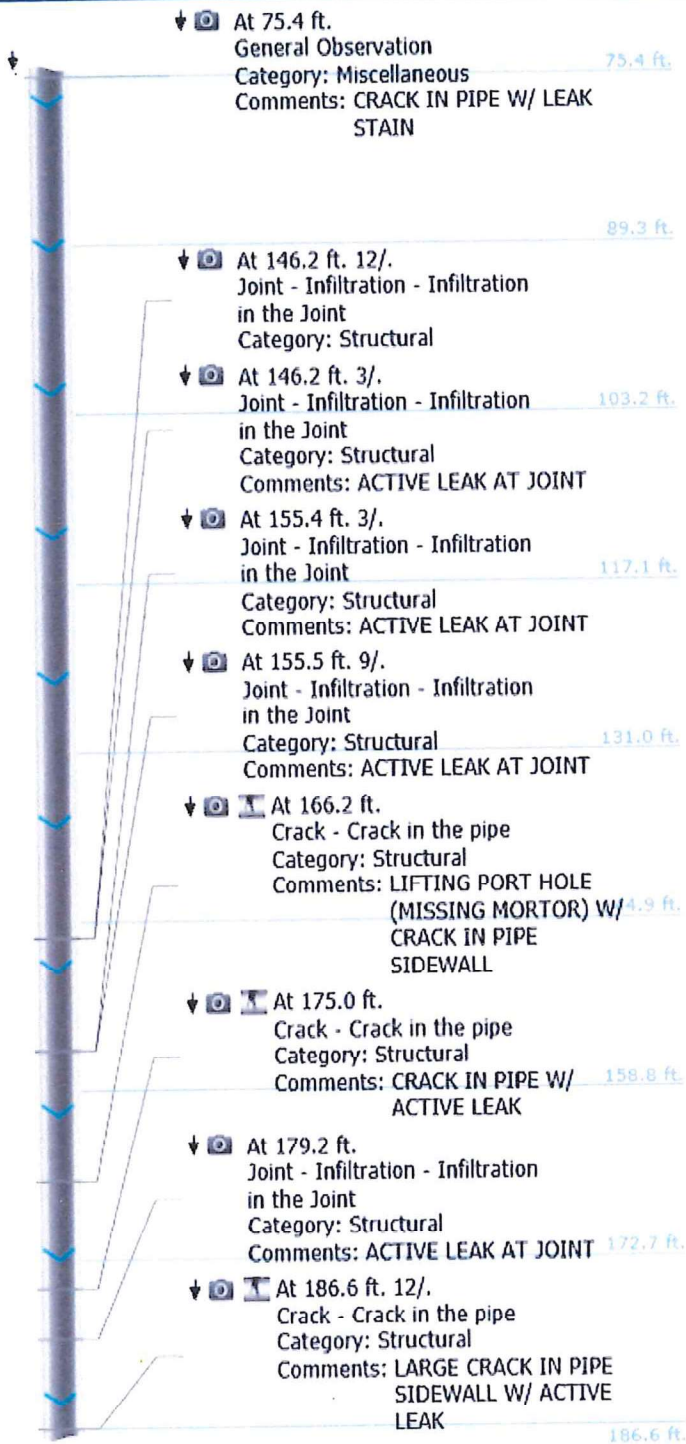
Start date/time:  
4/21/2022 9:26 AM

Direction:  
With the flow

Weather:  
Dry

Omitted: 75.4 ft.

Mainline length: 400.4 ft.  
Surveyed length: 400.4 ft.



Omitted: 213.8 ft.

Project name: ROUTE 60 AND 41ST AVE S-17 TO S-MH2  
Mainline ID:

Start date/time: 4/21/2022 9:26 AM

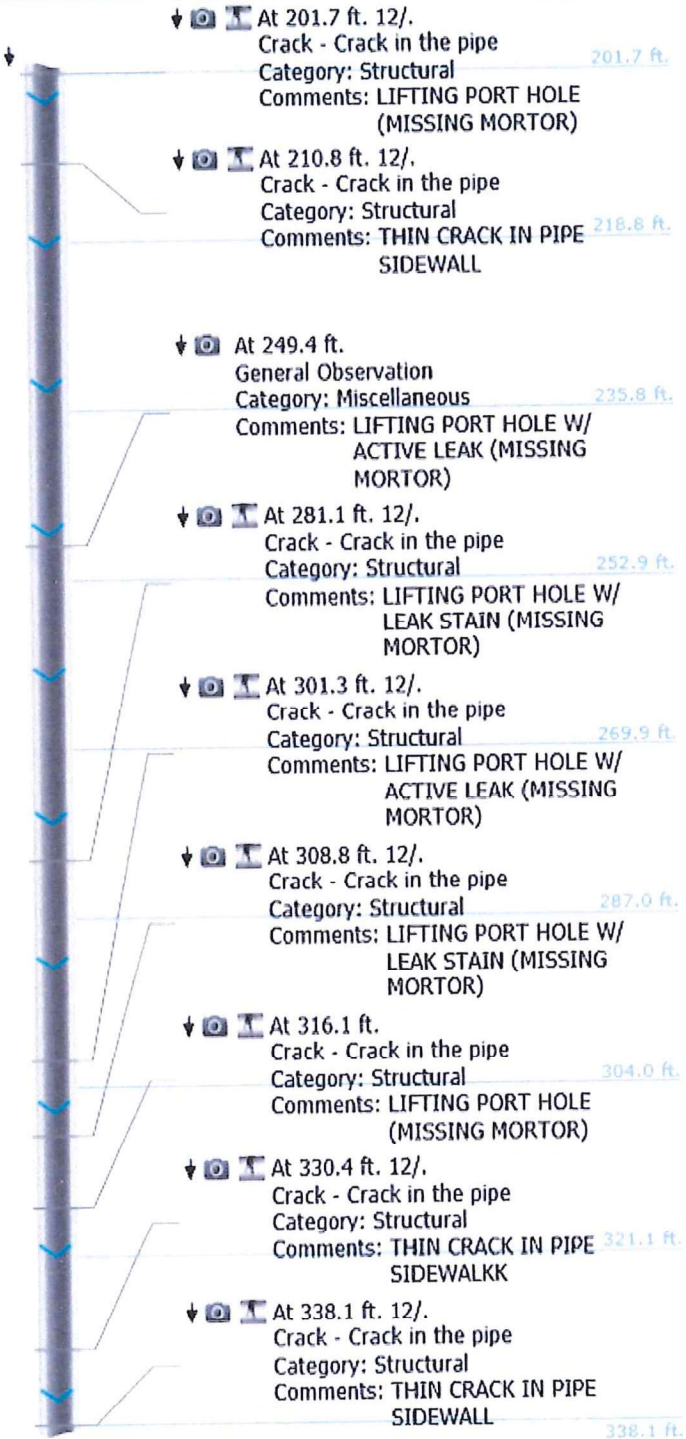
Direction: With the flow

Weather: Dry

Omitted: 201.7 ft.

Mainline length: 400.4 ft.  
Surveyed length: 400.4 ft.

Omitted: 62.3 ft.



Project name: ROUTE 60 AND 41ST AVE  
Mainline ID: S-17 TO S-MH2

Start date/time: 4/21/2022 9:26 AM

Direction: With the flow

Weather:

Dry

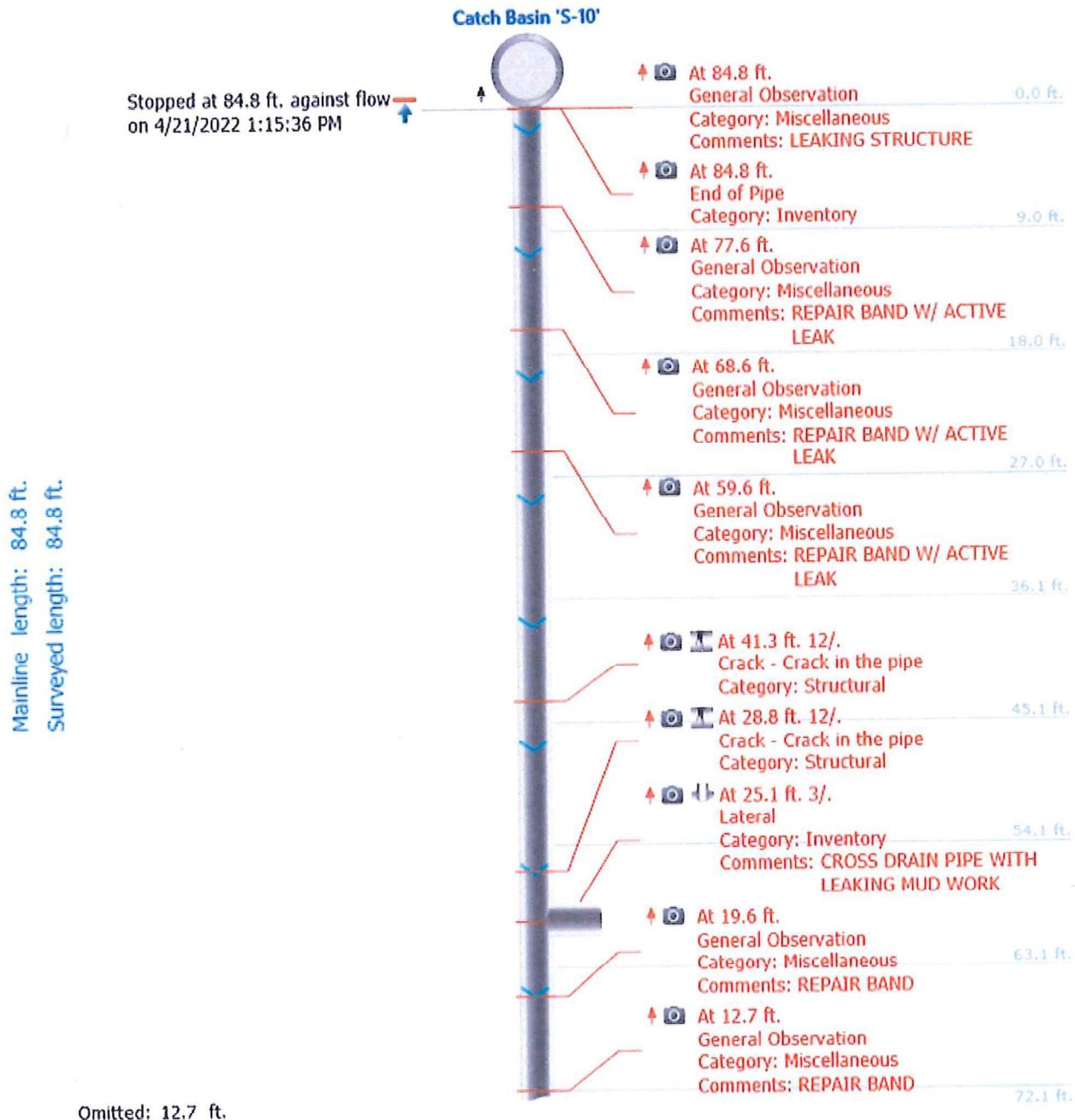
Omitted: 353.5 ft.

Mainline length: 400.4 ft.  
Surveyed length: 400.4 ft.



# Main Inspections Pipe Run

Project name: <b>ROUTE 60 AND 41ST AVE</b>	Mainline ID: <b>S-15 TO S-10</b>	City: <b>VERO BEACH FL</b>	Address:
Start date/time: <b>4/21/2022 12:52 PM</b>	Direction: <b>Against the flow</b>	Weather: <b>Dry</b>	Surface condition:
Pipe shape: <b>Circular</b>	Pipe material: <b>Concrete Reinforced</b>	Pipe height: <b>54.0 in.</b>	Pipe width: <b>54.0 in.</b>

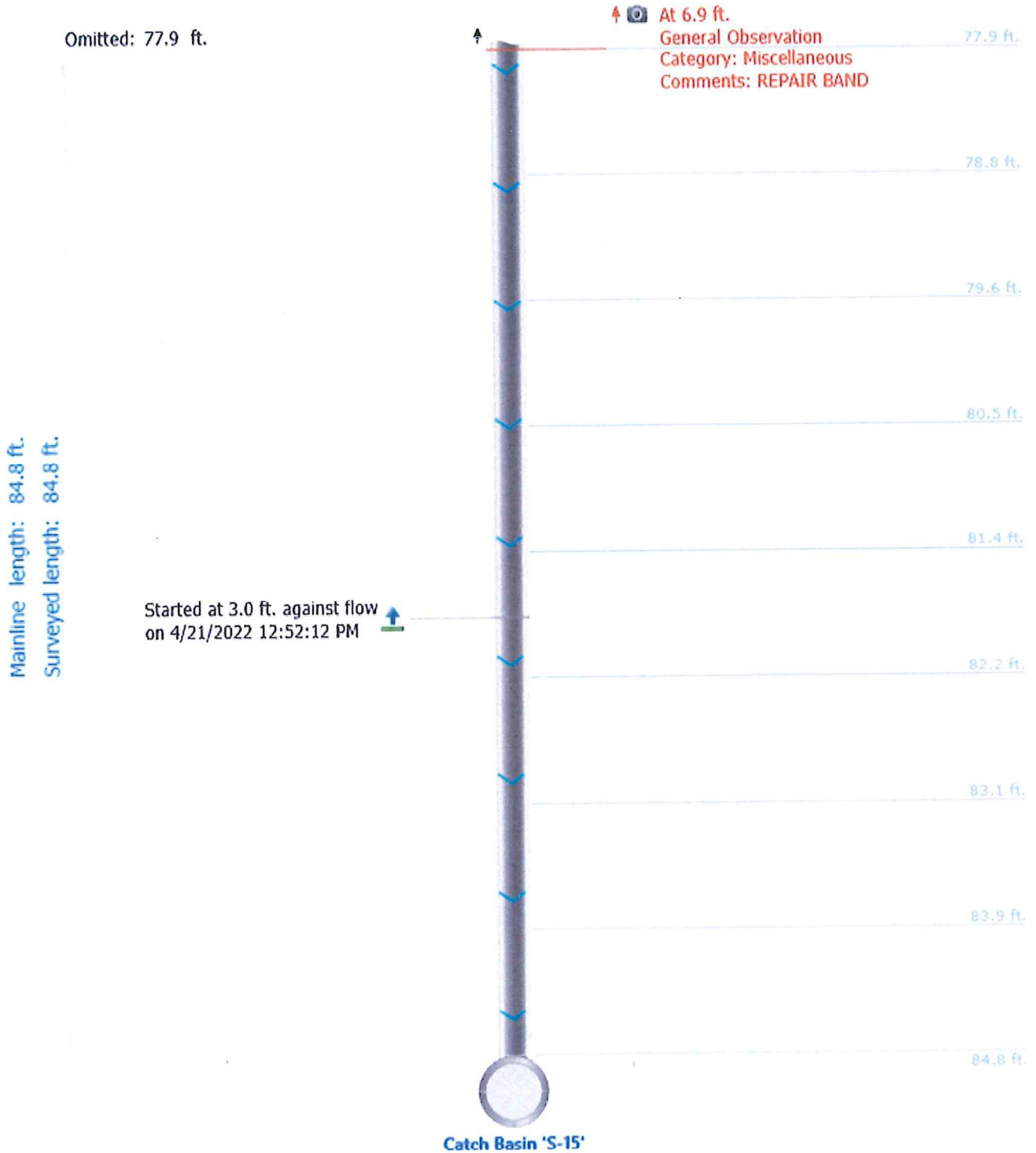


Project name: ROUTE 60 AND 41ST AVE  
Mainline ID: S-15 TO S-10

Start date/time: 4/21/2022 12:52 PM

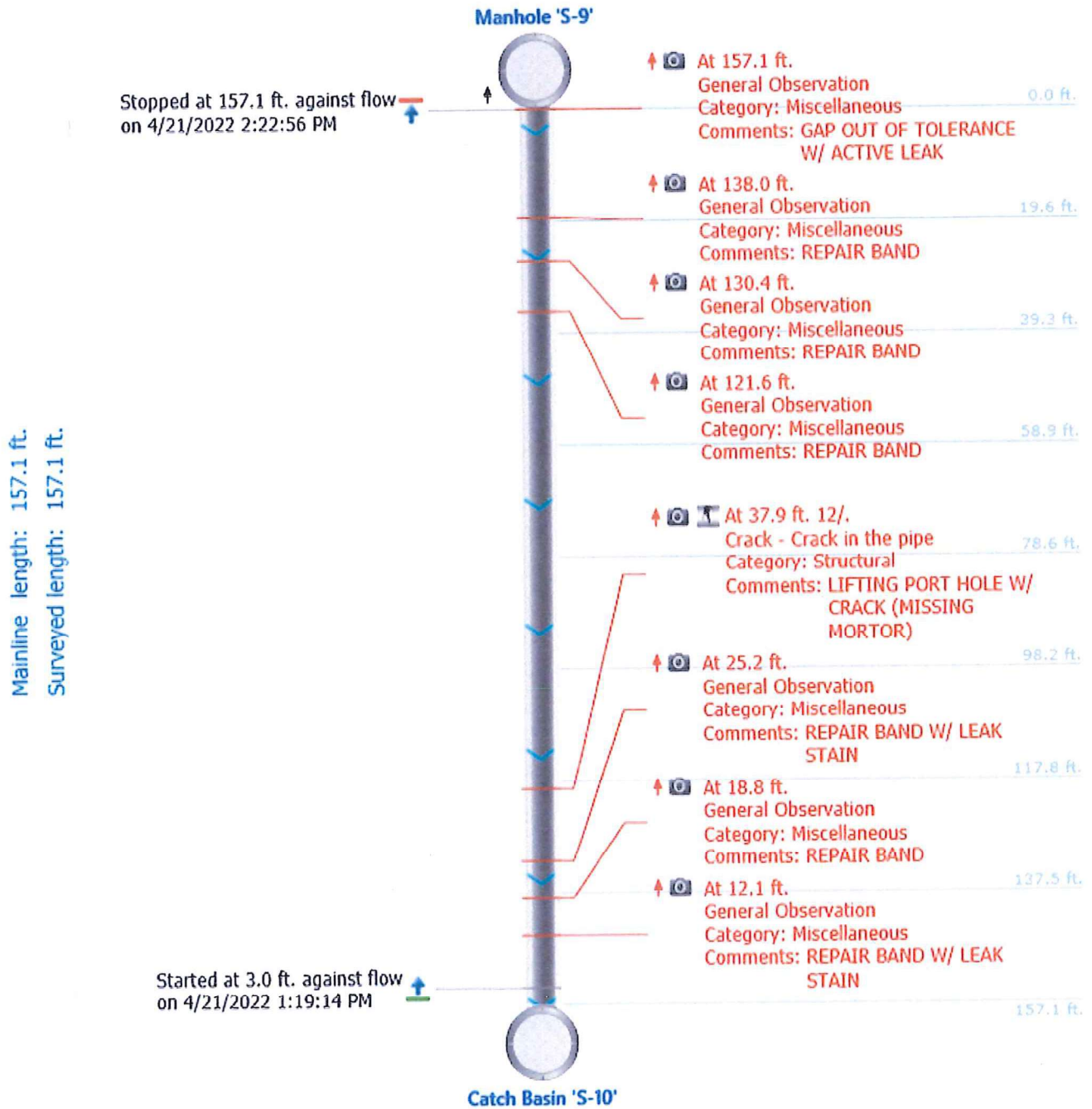
Direction: Against the flow

Weather: Dry



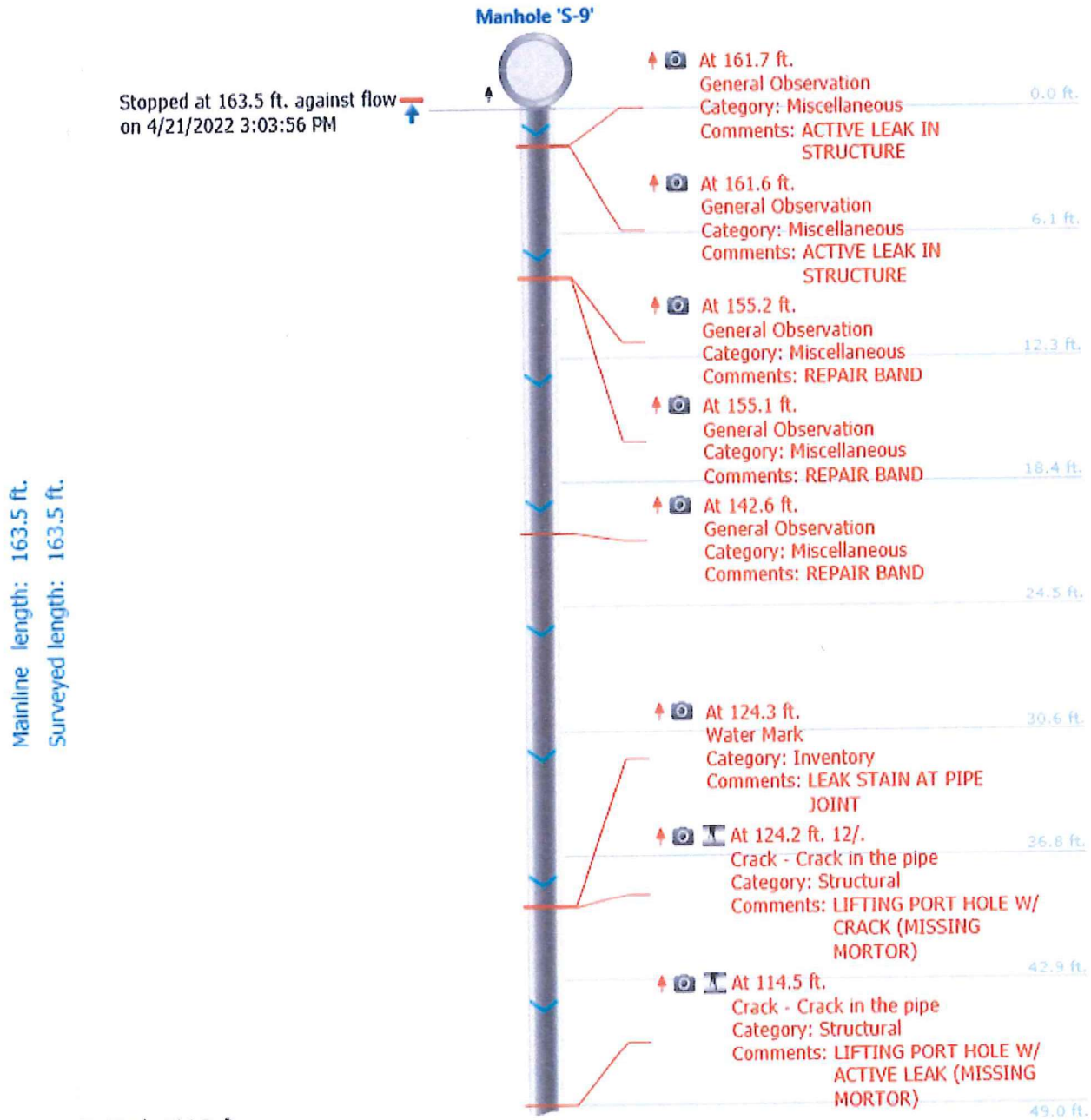
# Main Inspections Pipe Run

Project name: <b>ROUTE 60 AND 41ST AVE</b>	Mainline ID: <b>S-10 TO S-9</b>	City: <b>VERO BEACH FL</b>	Address:
Start date/time: <b>4/21/2022 1:19 PM</b>	Direction: <b>Against the flow</b>	Weather: <b>Dry</b>	Surface condition:
Pipe shape:	Pipe material:	Pipe height: <b>54.0 in.</b>	Pipe width: <b>54.0 in.</b>



# Main Inspections Pipe Run

Project name: <b>ROUTE 60 AND 41ST AVE</b>	Mainline ID: <b>S-9 TO S-5</b>	City: <b>VERO BEACH FL</b>	Address:
Start date/time: <b>4/21/2022 2:28 PM</b>	Direction: <b>Against the flow</b>	Weather: <b>Dry</b>	Surface condition:
Pipe shape: <b>Circular</b>	Pipe material: <b>Concrete Reinforced</b>	Pipe height: <b>54.0 in.</b>	Pipe width: <b>54.0 in.</b>



Mainline length: 163.5 ft.  
Surveyed length: 163.5 ft.



Project name: ROUTE 60 AND 41ST AVE  
Mainline ID: S-9 TO S-5

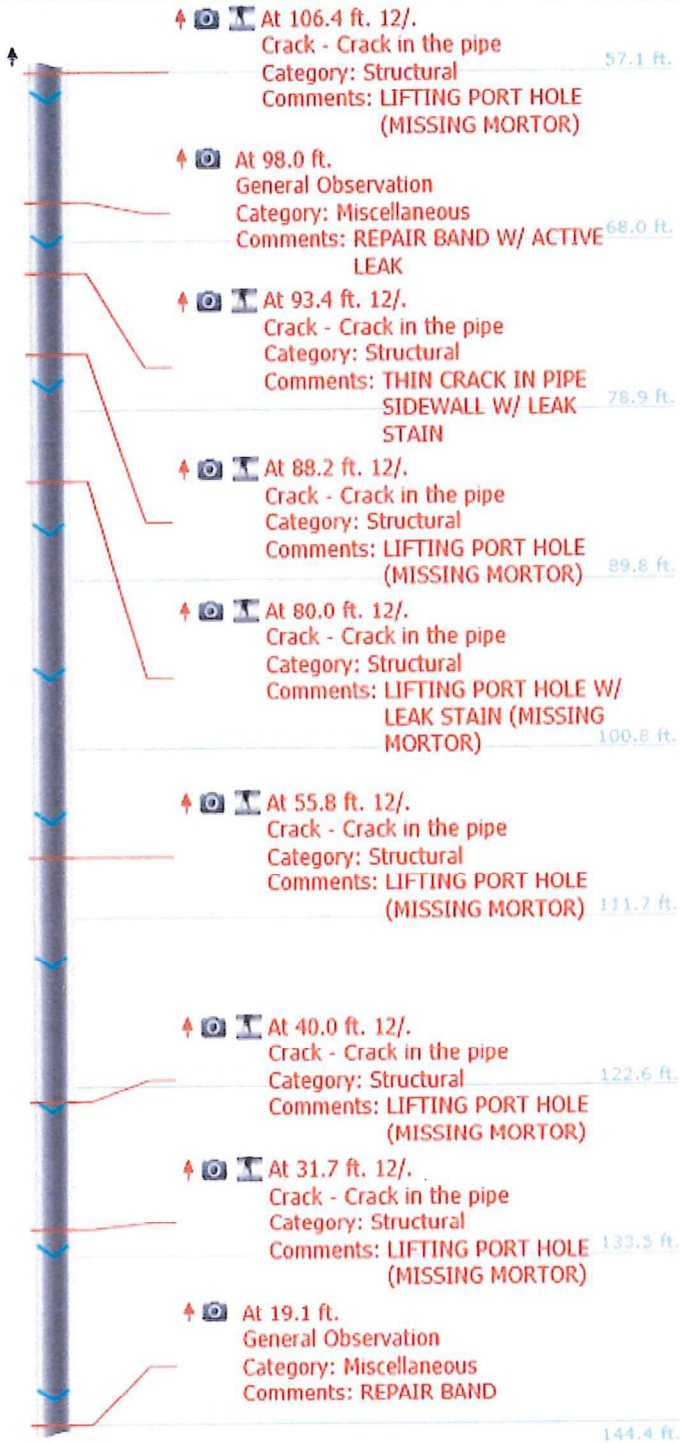
Start date/time: 4/21/2022 2:28 PM

Direction: Against the flow

Weather: Dry

Mainline length: 163.5 ft.  
Surveyed length: 163.5 ft.

Omitted: 57.1 ft.



Omitted: 19.1 ft.

Project name: ROUTE 60 AND 41ST AVE  
Mainline ID: S-9 TO S-5

Start date/time: 4/21/2022 2:28 PM

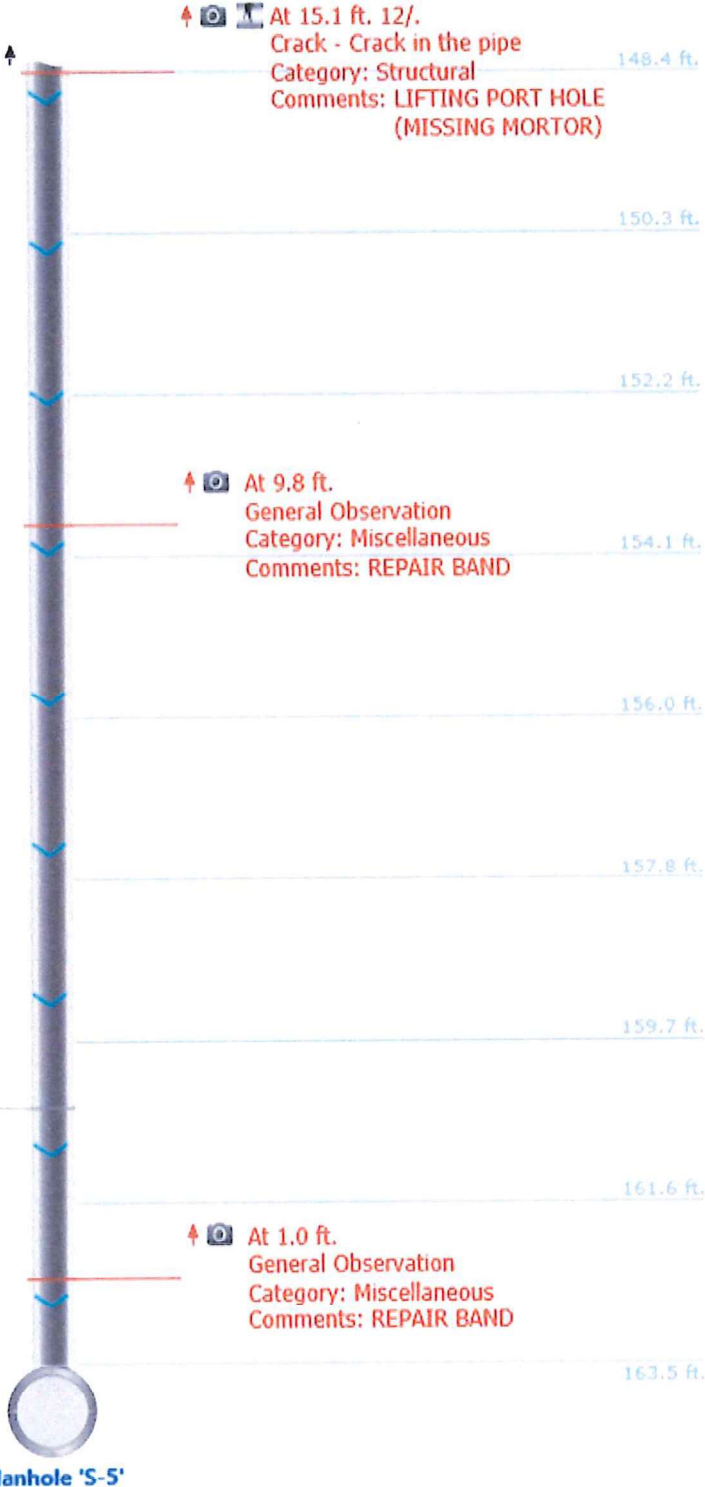
Direction: Against the flow

Weather: Dry

Omitted: 148.4 ft.

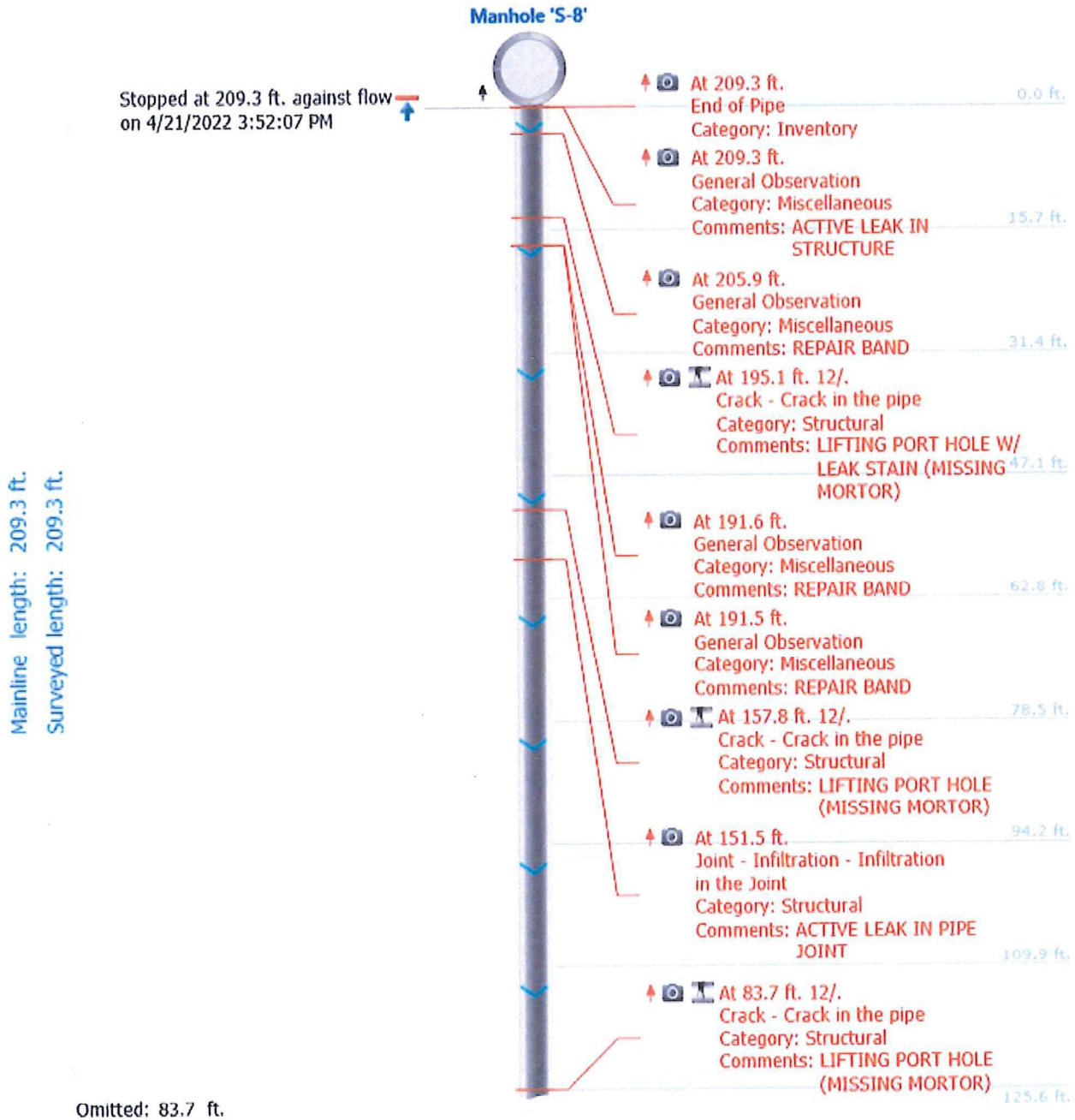
Mainline length: 163.5 ft.  
Surveyed length: 163.5 ft.

Started at 3.0 ft. against flow  
on 4/21/2022 2:28:23 PM



## Main Inspections Pipe Run

Project name: <b>ROUTE 60 AND 41ST AVE</b>	Mainline ID: <b>S-9 TO S-8</b>	City: <b>VERO BEACH FL</b>	Address:
Start date/time: <b>4/21/2022 3:12 PM</b>	Direction: <b>Against the flow</b>	Weather: <b>Dry</b>	Surface condition:
Pipe shape: <b>Circular</b>	Pipe material: <b>Concrete Reinforced</b>	Pipe height: <b>54.0 in.</b>	Pipe width: <b>54.0 in.</b>



Project name: ROUTE 60 AND 41ST AVE  
Mainline ID: S-9 TO S-8

Start date/time: 4/21/2022 3:12 PM

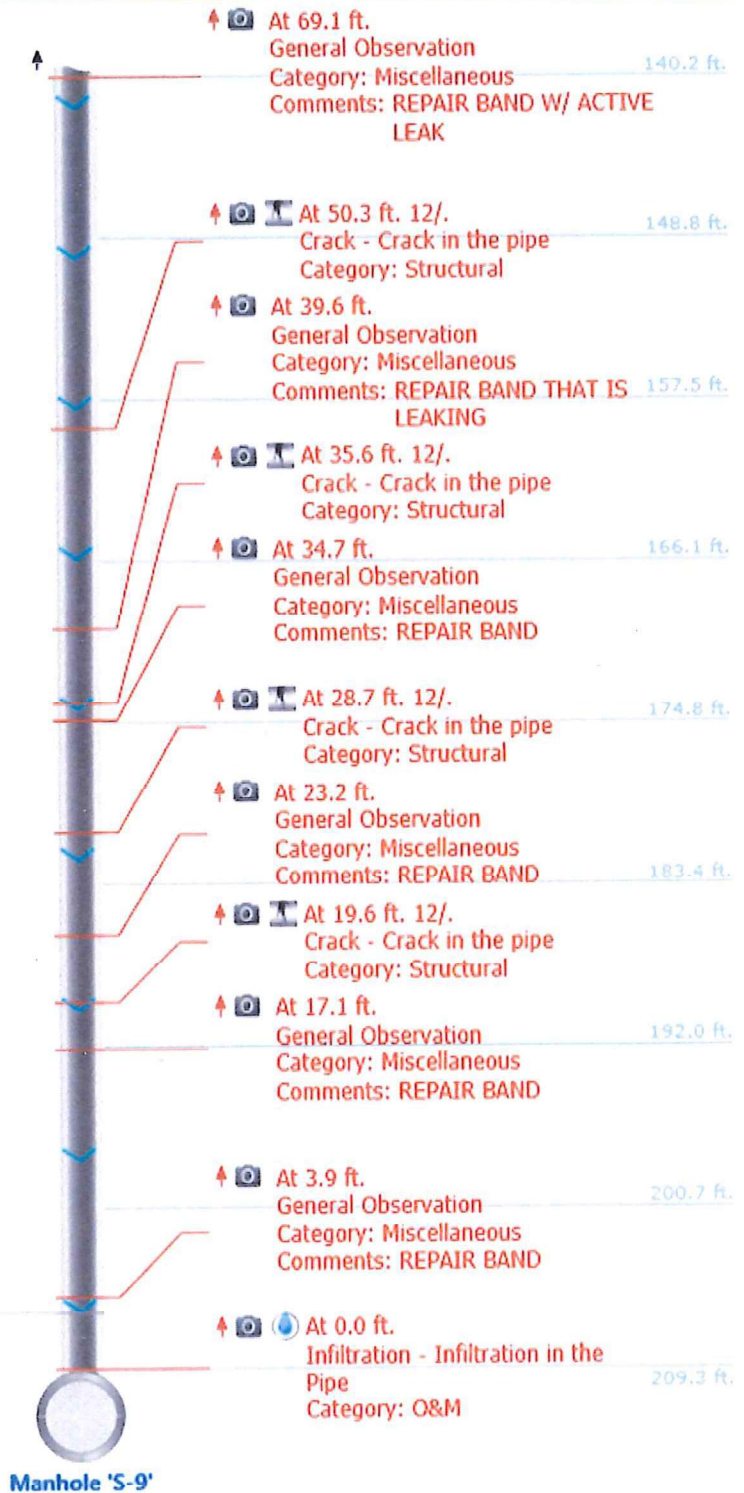
Direction: Against the flow

Weather: Dry

Omitted: 140.2 ft.

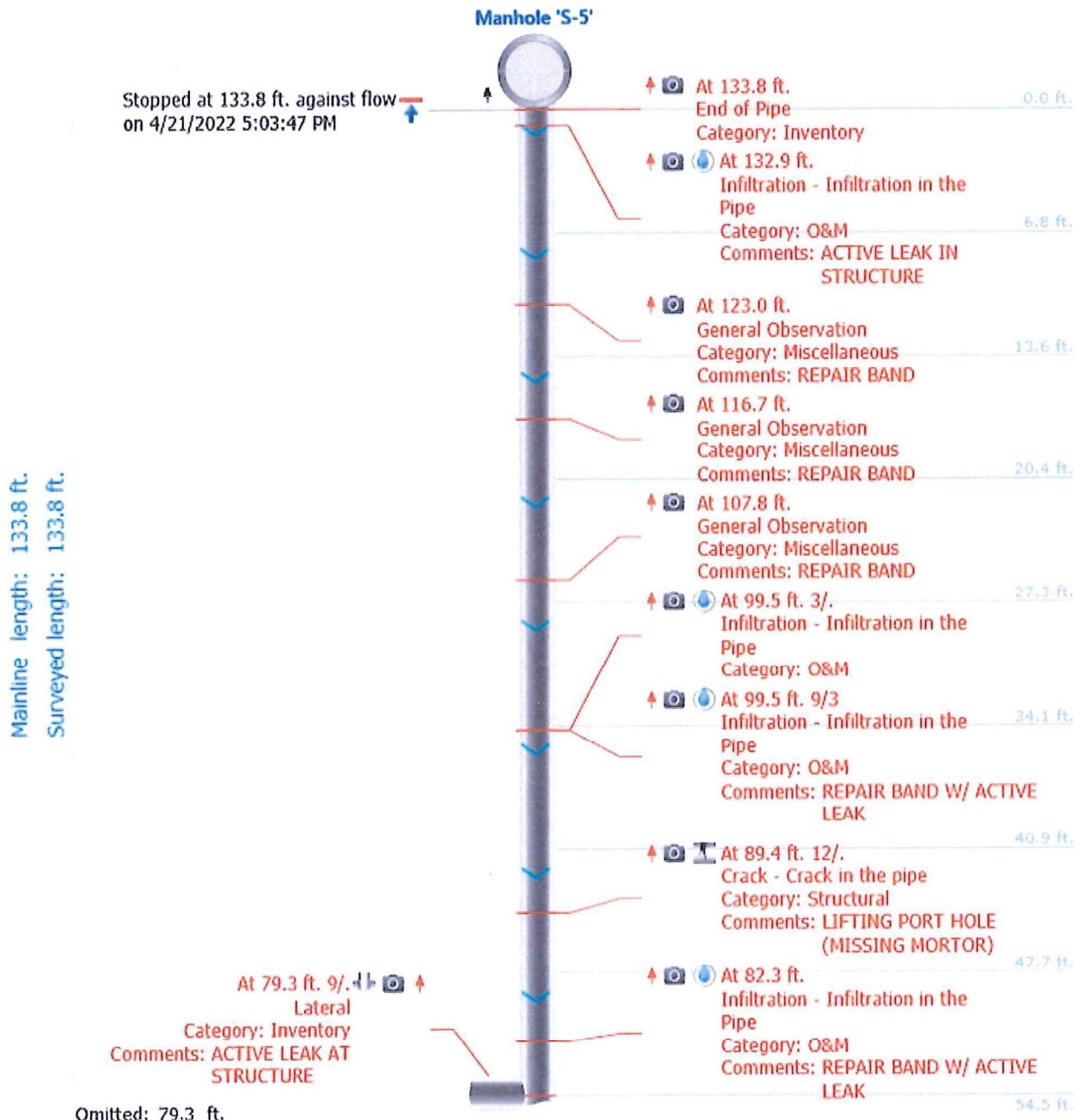
Mainline length: 209.3 ft.  
Surveyed length: 209.3 ft.

Started at 3.0 ft. against flow on 4/21/2022 3:12:21 PM



## Main Inspections Pipe Run

Project name: <b>ROUTE 60 AND 40 ST</b>	Mainline ID: <b>S-7 - S-5</b>	City: <b>VERO BEACH FL</b>	Address:
Start date/time: <b>4/21/2022 4:28 PM</b>	Direction: <b>Against the flow</b>	Weather: <b>Dry</b>	Surface condition:
Pipe shape: <b>Circular</b>	Pipe material: <b>Concrete Reinforced</b>	Pipe height: <b>54.0 in.</b>	Pipe width: <b>54.0 in.</b>



Project name:  
**ROUTE 60 AND 40 ST**  
Weather:  
**Dry**

Mainline ID:  
**S-7 - S-5**

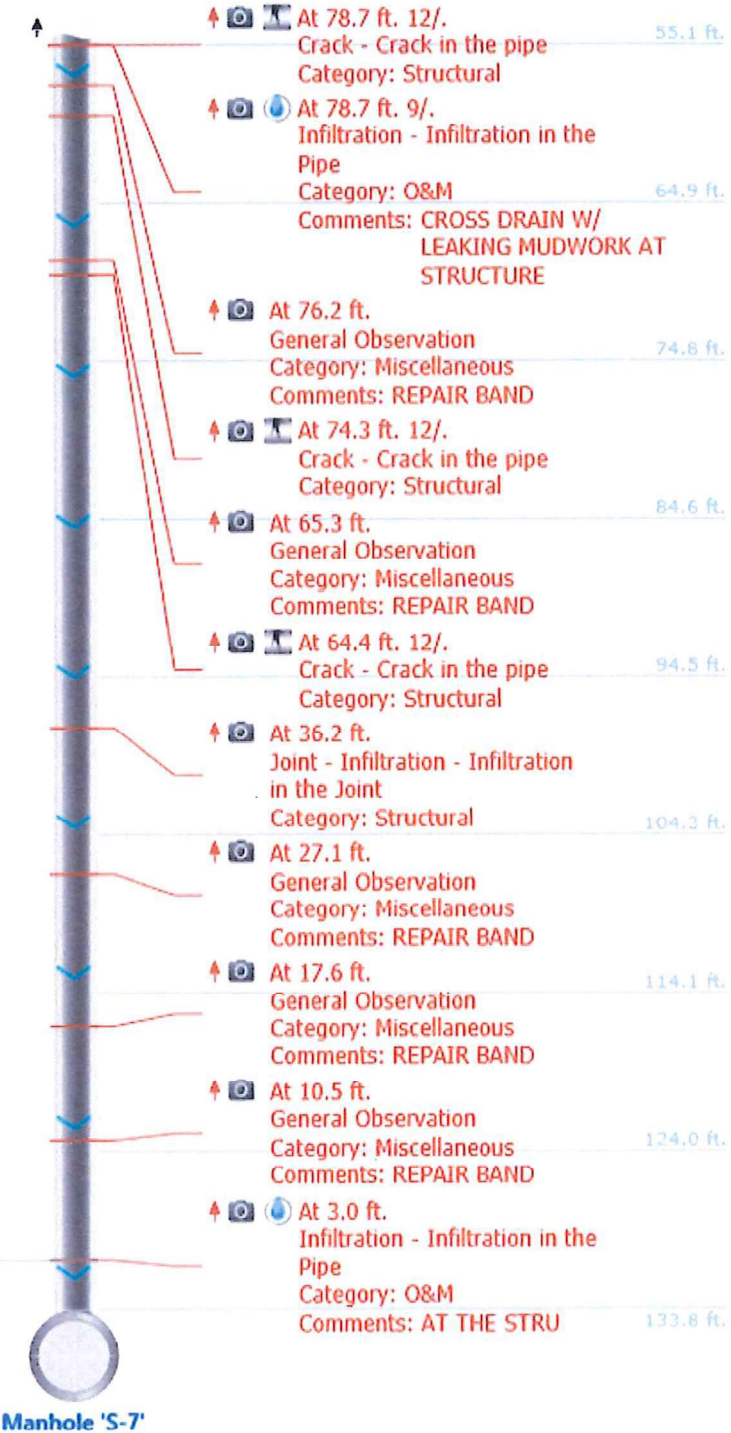
Start date/time:  
**4/21/2022 4:28 PM**

Direction:  
**Against the flow**

Omitted: 55.1 ft.

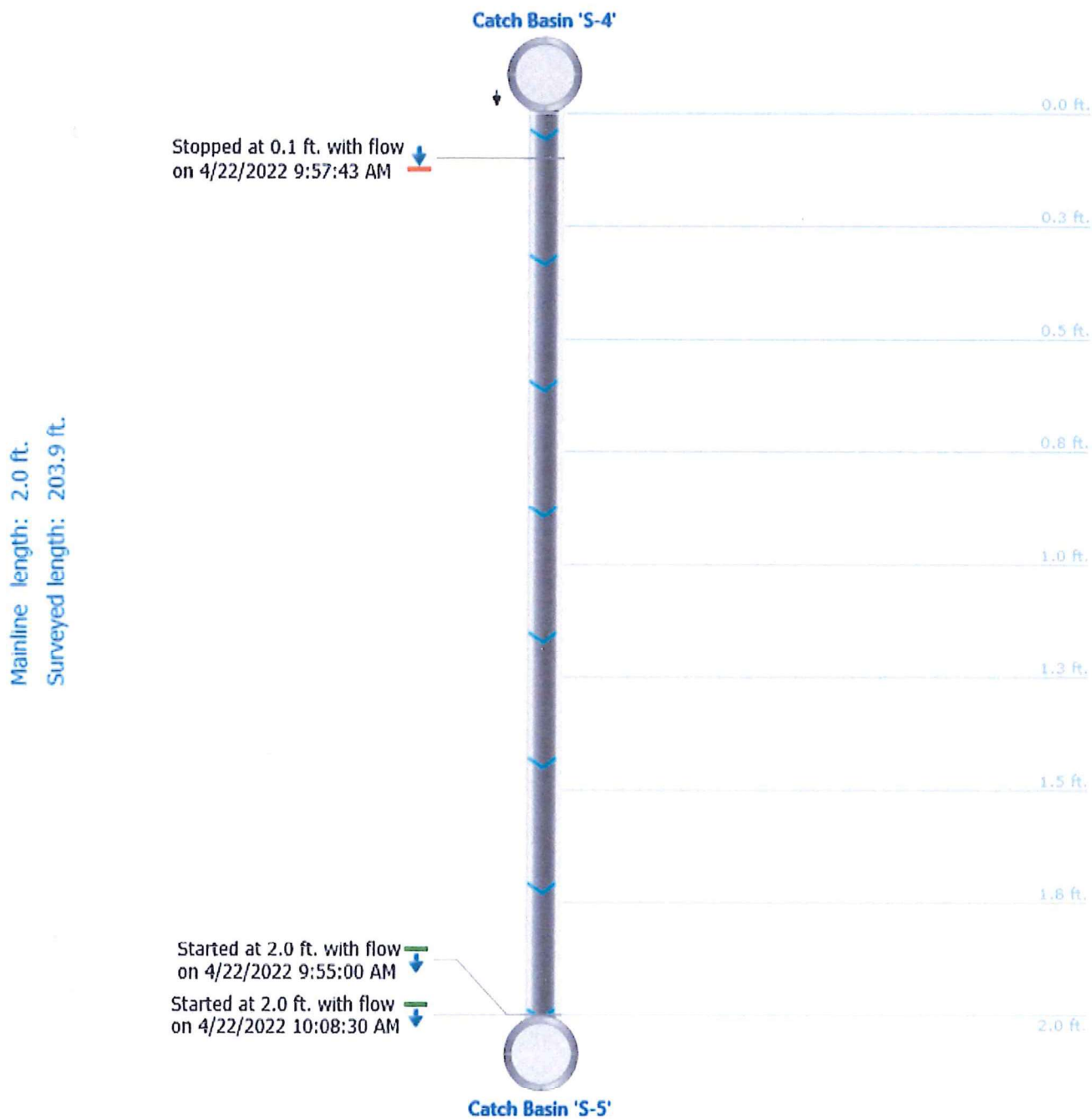
Mainline length: 133.8 ft.  
Surveyed length: 133.8 ft.

Started at 3.0 ft. against flow  
on 4/21/2022 4:28:12 PM



## Main Inspections Pipe Run

Project name: <b>ROUTE 60 AND 41ST AVE</b>	Mainline ID: <b>S-4 TO S-5</b>	City: <b>VERO BEACH FL</b>	Address:
Start date/time: <b>4/22/2022 9:55 AM</b>	Direction: <b>With the flow</b>	Weather: <b>Dry</b>	Surface condition:
Pipe shape: <b>Circular</b>	Pipe material: <b>Concrete Reinforced</b>	Pipe height: <b>54.0 in.</b>	Pipe width: <b>54.0 in.</b>



**Some observations have distance greater than the pipe length**

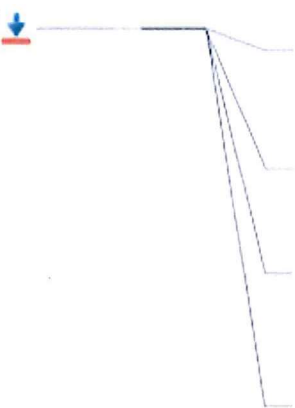
Project name: Mainline ID:  
**ROUTE 60 AND 41ST AVE S-4 TO S-5**

Start date/time:  
**4/22/2022 9:55 AM**

Direction:  
**With the flow**

Weather:  
**Dry**

Stopped at 203.9 ft. with flow  
on 4/22/2022 11:02:27 AM



- ↓ At 189.3 ft.  
General Observation  
Category: Miscellaneous  
Comments: REPAIR BAND
- ↓ At 197.5 ft.  
General Observation  
Category: Miscellaneous  
Comments: REPAIR BAND
- ↓ At 203.9 ft.  
End of Pipe  
Category: Inventory
- ↓ At 203.9 ft.  
Infiltration - Infiltration in the Pipe  
Category: O&M  
Comments: ACTIVE LEAK AT STRUCTURE

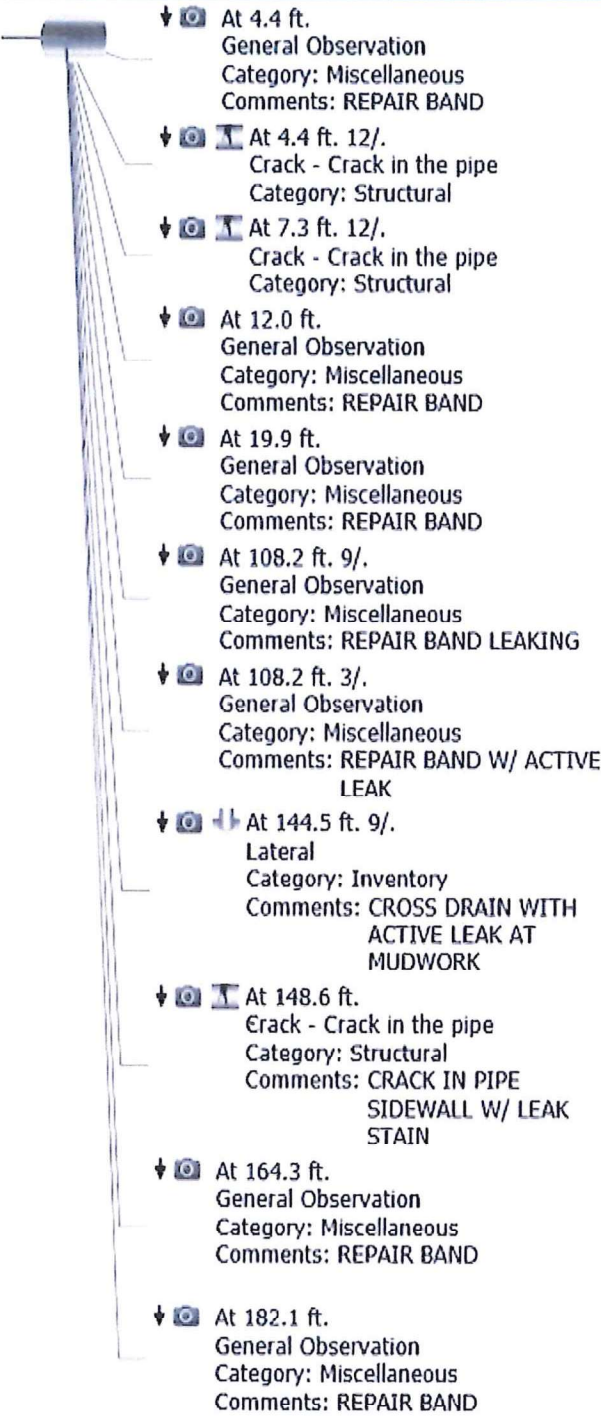


Project name: ROUTE 60 AND 41ST AVE  
Mainline ID: S-4 TO S-5

Start date/time: 4/22/2022 9:55 AM

Direction: With the flow

Weather: Dry



**From:** [Zach Rose](#)  
**To:** [William R. Adams, III](#); [Matthew Kirkland](#)  
**Cc:** [staci -TRC](#); [Tim Rose](#); [Jordan Rose](#)  
**Subject:** POLYURETHANE INJECTION AND DELAY COST REVISED  
**Date:** Wednesday, June 22, 2022 6:17:32 PM  
**Attachments:** [POLYURETHANE INJECTION AND DELAY CLAIM SR 60 REVISED.pdf](#)  
[COST DETAIL OF POLYURETHANE INJECTION AND DELAYS REVISED.pdf](#)

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Matt and Bill,

After reviewing the specs I spoke to Euretek and they said their pricing would hold unless they go over the 28,000 LBs and then the price per pound would go up.

However, in order for us to adhere to the FDOT's specifications I needed to revise our portion of the estimate. See notes on the estimate explaining the cost differences.

Ive attached both the cost detail and the estimate. Also, Euretek will be sending over their submittals to adhere to 173-5 CONSTRUCTION REQUIREMENTS by tomorrow afternoon.

Thank you,

*Zach Rose*

Vice President

Timothy Rose Contracting, Inc.

825 8th Street

Vero Beach, FL 32962

O - 772-564-7800

C - 772-473-7953

[zach@timothyrosecontracting.com](mailto:zach@timothyrosecontracting.com)

[www.timothyrosecontracting.com](http://www.timothyrosecontracting.com)

**WE HAVE MOVED. PLEASE NOTE OUR NEW ADDRESS.  
825 8TH ST. VERO BEACH, FL 32962**

**Timothy Rose Contracting**

1360 Old Dixie Hwy Sw  
Vero Beach, FL 32962

(772) 564-7800



<b>To:</b> Indian River County	<b>Contact:</b>
<b>Address:</b> Vero Beach, FL	<b>Phone:</b>
	<b>Fax:</b>
<b>Project Name:</b> POLYURETHANE INJECTION OF TRUNK LINE VOIDS AND DELAY CLAIM	<b>Bid Number:</b>
<b>Project Location:</b>	<b>Bid Date:</b>

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
100	MOBILIZATION (URETEK)	1.00	LS	\$5,250.00	\$5,250.00
150	REMOBILIZATION (TRC) *	1.00	LS	\$6,256.19	\$6,256.19
175	MAINTENANCE OF TRAFFIC *	14.00	DY	\$1,490.82	\$20,871.48
200	POLYURETHANE INJECTION *	28,000.00	LB	\$7.61	\$213,080.00
300	VAC TRUCK (DURING CONSTRUCTION) *	14.00	DY	\$2,508.64	\$35,120.96
350	CCTV TRUCK (DURING CONSTRUCTION) *	14.00	DY	\$1,658.97	\$23,225.58
375	CLEAN AND CCTV HEAVY SEDIMENT 54" PIPE (POST CONSTRUCTION) *	300.00	LF	\$40.24	\$12,072.00
400	CLAIM OF TOTAL DAYS DELAYED FROM TRUNK LINE (FDOT SECTION 4-3.2.1 *	85.00	DY	\$1,515.73	\$128,837.05
405	MAINTENANCE OF TRAFFIC CLAIM DUE TO TRUNK LINE DELAYS *	85.00	DY	\$31.73	\$2,697.05
500	ADDITIONAL BONDING *	1.00	LS	\$9,122.34	\$9,122.34
<b>Total Bid Price:</b>					<b><u>\$456,532.65</u></b>

**Notes:**

- 1. 150 \* TIMOTHY ROSE CONTRACTING DEMOBILIZED IT'S HEAVY EQUIPMENT FROM THE PROJECT TO AVOID ADDITIONAL COST OF THE EQUIPMENT SITTING. THIS COST IS TO BRING ALL EQUIPMENT BACK NEEDED TO COMPLETE THE JOB PRIOR TO THE DISCOVERY OF THE TRUNK LINE FAILING.
- 2. 175 \* TIMOTHY ROSE CONTRACTING IS TO PROVIDE URETEK WITH MAINTENANCE OF TRAFFIC THAT WAS NOT IN THE ORIGINAL CONTRACT. THIS IS QUANTIFIED AT 14 CALENDAR DAYS, WHICH IS THE DURATION IT WILL TAKE URETEK TO PERFORM THEIR WORK.
- 3. 200 \* URETEK'S PROPOSAL IS IN UNIT PRICE FORMAT. IT IS ESTIMATED URETEK WILL USE 28,000 LBS OF POLYURETHANE AND TAKE 14 CALENDAR DAYS TO COMPLETE THIS WORK. ANY OVERRUNS OF MATERIAL AND/OR THE ESTIMATED (14) CALENDAR DAYS WILL INCUR ADDITIONAL COST NOT INCLUDED IN THIS PROPOSAL. SEE URETEK'S PROPOSAL FOR ADDITIONAL INFORMATION.
- 4. 400 \* THIS NUMBER WAS DERIVED FROM THE FDOT SPECIFICATION 4-3.2.1 AND WAS CALCULATED USING THE FOLLOWING DATES. ON APRIL 25TH 2022, A LETTER WAS SENT FROM OUR COUNSEL AT WHITEBIRD, PLLC NOTIFYING INDIAN RIVER COUNTY AND THE FDOT OF THE DRAINAGE TRUNK LINE ISSUES. URETEK PLANS ON STARTING THE WORK JUNE 27TH 2022 AND COMPLETING IT JULY 18TH 2022. THIS BRINGS THE TOTAL DELAYS TO 85 CALENDAR DAYS.
- 5. 405 \* SIMILAR TO BID ITEM 400 WITH THE SAME FORMULA BEING USED. TIMOTHY ROSE CONTRACTING INCURRED UNFORESEEN MAINTENANCE OF TRAFFIC COST THAT GO BEYOND THE ORIGINAL CONTRACT DURATION OF 720 CALENDAR DAYS.
- 6. 500 \* ADDITIONAL BONDING COST
- 7. 300 \* AND 400 \* ACCORDING TO FDOT'S SPECIFICATION 173-5.1

Proposed plan to monitor inside subsurface drainage structures during injection and to prevent excessive polyurethane migration into any existing drainage structures.

THIS SPECIFICATION WILL BE MET BY THE USE OF A CCTV TRUCK TO MONITOR ANY DEBRIS THAT MAY ENTER THE PIPE AND/OR STRCUTURES AND BE RETREIVED BY THE USE OF A VAC TRUCK. THIS METHOD IS TYPICAL AND REQUESTED BY EURETEK.

- 8. 375 \* ACCORDING TO FDOT'S SPECIFICATION 173-5.13

Storm Drains: For lifting, sealing and filling of voids around storm drains including pipe, manholes and other built structures, submit a plan of action to the Engineer for approval. Prior to performing work, evaluate the integrity of the pipe and storm drain system through inspection, either visual or by remote camera, to determine the correct placement of polyurethane. Perform post installation evaluation of the work by similar means. Ensure that any injected material entering the storm drain system during the installation work is removed and disposed of accordingly.

THE FIRST SENTENCE OF THIS SPECIFICATION HAS BEEN MET WHEN TRC CLEANED AND CCTV'd THE ENTIRE TRUNK LINE AS REQUESTED BY FDOT'S MAINTENANCE CONTRACTOR. THE VIDEOS AND CORRESPONDING WRITTEN REPORTS WERE FORWARDED TO THE APPROPRIATE PARTIES VIA CERTIFIED MAIL. THE ADDITIONAL CLEANING AND CCTV WORK IS TO MEET THE SECOND SENTENCE OF THIS SPECIFICATION, WHICH REQUIRES A POST EVALUATION OF THE WORK BY SIMILAR MEANS i.e. VAC AND CCTV TRUCK.

<p><b>ACCEPTED:</b> The above prices, specifications and conditions are satisfactory and hereby accepted.</p> <p><b>Buyer:</b> _____</p> <p><b>Signature:</b> _____</p> <p><b>Date of Acceptance:</b> _____</p>	<p><b>CONFIRMED:</b> <b>Timothy Rose Contracting</b></p> <p><b>Authorized Signature:</b> _____</p> <p><b>Estimator:</b> _____</p>
---	---



**Timothy Rose Contracting**  
1360 Old Dixie Hwy Sw  
Vero Beach, FL 32962
























(772) 564-7800

### Cost Detail With Pricing

<b>Project Name:</b> POLYURETHANE INJECTION OF TRUNK LINE VOIDS AND DELAY CLAIM	<b>Customer:</b> Indian River County
<b>Job Number:</b>	<b>Billing Address:</b> Vero Beach, FL
<b>Bid As:</b>	<b>Phone:</b>
<b>Estimator:</b>	<b>Contact:</b>
<b>Project Address:</b>	
<b>Completion Date:</b>	

### Pay Items

Description	Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
<b>S</b> 100 - MOBILIZATION (URETEK) (URETEK)	1.00	LS	\$5,000.00	\$5,000.00	\$5,250.00	\$5,250.00	5.00%
<b>D</b> 150 - REMOBILIZATION (TRC) *	1.00	LS	\$5,440.16	\$5,440.16	\$6,256.19	\$6,256.19	15.00%
<b>D</b> HAUL CURB MACHINE WITH LOWBOY	1.00	LS	\$1,088.03	\$1,088.03			
<b>D</b> HAULING EQUIPMENT WITH LOW BOY (1.33 LS/DY, 0.75 DY)	1.00	LS	\$1,088.03	\$1,088.03			
<b>D</b> Low Boy	6.00	HR	\$149.84	\$899.02			
<b>D</b> Low boy & Semi Dirvers Class A CDL	6.00	HR	\$31.50	\$189.01			
<b>D</b> HAUL SKID STEER WITH LOWBOY	1.00	LS	\$1,088.03	\$1,088.03			
<b>D</b> HAULING EQUIPMENT WITH LOW BOY (1.33 LS/DY, 0.75 DY)	1.00	LS	\$1,088.03	\$1,088.03			
<b>D</b> Low Boy	6.00	HR	\$149.84	\$899.02			
<b>D</b> Low boy & Semi Dirvers Class A CDL	6.00	HR	\$31.50	\$189.01			
<b>D</b> HAUL LOADER WITH LOWBOY	1.00	LS	\$1,088.03	\$1,088.03			
<b>D</b> HAULING EQUIPMENT WITH LOW BOY (1.33 LS/DY, 0.75 DY)	1.00	LS	\$1,088.03	\$1,088.03			
<b>D</b> Low Boy	6.00	HR	\$149.84	\$899.02			
<b>D</b> Low boy & Semi Dirvers Class A CDL	6.00	HR	\$31.50	\$189.01			
<b>D</b> HAUL GRADER WITH LOWBOY	1.00	LS	\$1,088.03	\$1,088.03			
<b>D</b> HAULING EQUIPMENT WITH LOW BOY (1.33 LS/DY, 0.75 DY)	1.00	LS	\$1,088.03	\$1,088.03			
<b>D</b> Low Boy	6.00	HR	\$149.84	\$899.02			
<b>D</b> Low boy & Semi Dirvers Class A CDL	6.00	HR	\$31.50	\$189.01			
<b>D</b> HAUL ROLLER WITH LOWBOY	1.00	LS	\$1,088.03	\$1,088.03			
<b>D</b> HAULING EQUIPMENT WITH LOW BOY (1.33 LS/DY, 0.75 DY)	1.00	LS	\$1,088.03	\$1,088.03			
<b>D</b> Low Boy	6.00	HR	\$149.84	\$899.02			
<b>D</b> Low boy & Semi Dirvers Class A CDL	6.00	HR	\$31.50	\$189.01			
<b>D</b> 175 - MAINTENANCE OF TRAFFIC *	14.00	DY	\$1,296.37	\$18,149.16	\$1,490.82	\$20,871.48	15.00%
<b>D</b> MAINTENANCE OF TRAFFIC	14.00	DY	\$1,296.37	\$18,149.16			
<b>D</b> MOT (1.00 DY/DY, 14.00 DY)	14.00	DY	\$1,296.37	\$18,149.16			
<b>D</b> All Chevy 2500	112.00	HR	\$22.81	\$2,554.61			

Description	Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
<i>(Item 175 - MAINTENANCE OF TRAFFIC * continued)</i>							
 Skilled Laborer	112.00	HR	\$23.94	\$2,681.42			
 Foreman	2.80	WK	\$2,394.12	\$6,703.54			
 Flagger [2]	112.00	HR	\$27.72	\$6,209.60			
<b>S</b> 200 - POLYURETHANE INJECTION * (URETEK)	<b>28,000.00</b>	<b>LB</b>	<b>\$7.25</b>	<b>\$203,000.00</b>	<b>\$7.61</b>	<b>\$213,080.00</b>	<b>4.97%</b>
<b>D</b> 300 - VAC TRUCK (DURING CONSTRUCTION) *	<b>14.00</b>	<b>DY</b>	<b>\$2,181.42</b>	<b>\$30,539.94</b>	<b>\$2,508.64</b>	<b>\$35,120.96</b>	<b>15.00%</b>
 VAC TRUCK	1.00	DY	\$30,539.94	\$30,539.94			
 VACTOR TRUCK WITH CREW (0.07 LF/DY, 14.00 DY)	1.00	LF	\$30,539.94	\$30,539.94			
 Skilled Laborer	112.00	HR	\$27.72	\$3,104.80			
 VACTOR VAC TRUCK	112.00	HR	\$213.46	\$23,906.96			
 VAC TRUCK OPERATOR	112.00	HR	\$31.50	\$3,528.18			
<b>D</b> 350 - CCTV TRUCK (DURING CONSTRUCTION) *	<b>14.00</b>	<b>DY</b>	<b>\$1,442.58</b>	<b>\$20,196.18</b>	<b>\$1,658.97</b>	<b>\$23,225.58</b>	<b>15.00%</b>
 CCTV TRUCK	14.00	DY	\$1,442.58	\$20,196.18			
 CCTV CREW (1.00 DY/DY, 14.00 DY)	14.00	DY	\$1,442.58	\$20,196.18			
 Skilled Laborer	112.00	HR	\$27.72	\$3,104.80			
 CCTV TRUCK OPERATOR	112.00	HR	\$31.50	\$3,528.18			
 CUES CCTV TRUCK	112.00	HR	\$121.10	\$13,563.20			
<b>D</b> 375 - CLEAN AND CCTV HEAVY SEDIMENT 54" PIPE (POST CONSTRUCTION) *	<b>300.00</b>	<b>LF</b>	<b>\$34.99</b>	<b>\$10,497.00</b>	<b>\$40.24</b>	<b>\$12,072.00</b>	<b>15.00%</b>
 VAC TRUCK (POST)	300.00	LF	\$34.99	\$10,497.00			
 VACTOR TRUCK WITH CREW (100.00 LF/DY, 3.00 DY)	300.00	LF	\$22.70	\$6,810.37			
 Skilled Laborer [3]	24.00	HR	\$23.94	\$1,723.77			
 VACTOR VAC TRUCK	24.00	HR	\$180.44	\$4,330.56			
 VAC TRUCK OPERATOR	24.00	HR	\$31.50	\$756.04			
 CCTV TRUCK (POST)	300.00	LF	\$12.29	\$3,686.64			
 CCTV CREW (100.00 LF/DY, 3.00 DY)	300.00	LF	\$12.29	\$3,686.64			
 Skilled Laborer	24.00	HR	\$23.94	\$574.59			
 CCTV TRUCK OPERATOR	24.00	HR	\$25.44	\$610.65			
 CUES CCTV TRUCK	24.00	HR	\$104.23	\$2,501.40			
<b>Q</b> 400 - CLAIM OF TOTAL DAYS DELAYED FROM TRUNK LINE (FDOT SECTION 4-3.2.1) *	<b>85.00</b>	<b>DY</b>	<b>\$1,515.73</b>	<b>\$128,837.05</b>	<b>\$1,515.73</b>	<b>\$128,837.05</b>	<b>0.00%</b>
<b>Q</b> 405 - MAINTENANCE OF TRAFFIC CLAIM DUE TO TRUNK LINE DELAYS *	<b>85.00</b>	<b>DY</b>	<b>\$31.73</b>	<b>\$2,697.05</b>	<b>\$31.73</b>	<b>\$2,697.05</b>	<b>0.00%</b>
<b>Q</b> 500 - ADDITIONAL BONDING *	<b>1.00</b>	<b>LS</b>	<b>\$9,122.34</b>	<b>\$9,122.34</b>	<b>\$9,122.34</b>	<b>\$9,122.34</b>	<b>0.00%</b>

**Indirect Items**

Description	Quantity	UM	Unit Indirect Cost	Total Indirect Cost
<b>Q</b> MOT	<b>0.00</b>	<b>LS</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Q</b> 101-1 - Mobilization	<b>0.00</b>	<b>LS</b>	<b>\$0.00</b>	<b>\$0.00</b>

**Direct Cost Totals**

	<u>Amount</u>	<u>Percent of Direct Cost</u>
<b>Labor:</b>	\$33,470.60	7.72%
<b>Equipment Owned:</b>	\$51,351.85	11.85%
<b>Equipment Rented:</b>	\$0.00	0.00%
<b>Materials Owned:</b>	\$0.00	0.00%
<b>Materials Purchased:</b>	\$0.00	0.00%
<b>Subcontracted:</b>	\$208,000.00	47.98%
<b>Trucking Owned:</b>	\$0.00	0.00%
<b>Trucking Hired:</b>	\$0.00	0.00%
<b>Miscellaneous:</b>	\$0.00	0.00%
<b>Plug:</b>	\$140,656.44	32.45%
<b>Direct Cost:</b>	<u>\$433,478.88</u>	

**Pay Item Summary**

	<u>Amount</u>	<u>Percent of Bid Price</u>
<b>Total Direct Cost:</b>	\$433,478.88	94.95%
<b>Total DC Adds/Cuts:</b>	\$0.00	0.00%
<b>Total Indirect Cost:</b>	\$0.00	0.00%
<b>Total Bond:</b>	\$0.00	0.00%
<b>Total Overall Cost:</b>	\$433,478.88	94.95%
<b>Total Overhead:</b>	\$10,406.97	2.28%
<b>Total Profit:</b>	\$12,646.80	2.77%
<b>Total Margin:</b>	\$23,053.77	5.05%
<b>Total Bid Price:</b>	<u>\$456,532.65</u>	

# Retrospective Time Impact Analysis

## IRC-0853: SR-60 & 43RD AVE INTERSECTION IMPROVEMENTS (FM431759)

### 54" STORM PIPE-SOIL SETTLEMENT ISSUE IMPACTS

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#### Description of Delay Event

After the project work began, the Contractor noted on several occasions that the 54" storm pipe running under the outside eastbound lane of SR 60 was in a state of disrepair that included leaking joints and cracks, allowing infiltration of groundwater and soil. The infiltration of surrounding soil was confirmed when the Contractor began removing sidewalk panels on eastbound SR 60 (contract work) and found significant voids under the sidewalk panels. The Contractor then cleaned and videotaped the inside of the pipe and provided a copy of the video to the Engineer to show the disrepair of the pipe. The Engineer provided copies of the videos to the County and the FDOT.

When the Contractor found the voids, they stopped work on April 26, 2022, and submitted a notice of delay and intention to claim for additional costs. Subsequently, the FDOT engaged a consultant to perform ground penetrating radar (GPR) to determine the extent of the voids on April 27, 2022, with a report date of May 11, 2022.

After much discussion between the FDOT and the County, an agreement was reached to perform urethane soil injection in the void areas found through the GPR process. A Work Change Directive (WCD) was issued to the Contractor for the performance of the soil injection. Because the impact to the project schedule was not known at the time the WCD was issued, the language of the WCD specifically excluded additional time or compensation for time related costs.

After receipt of the WCD the Contractor engaged a subcontractor for the soil injection. Due to prior commitments, the subcontractor was not able to mobilize to the project until July 18, 2022. After mobilizing to the project, the subcontractor diligently pursued the soil injection and completed the work on July 27, 2022. The Contractor remobilized to the project and began productive work on August 2, 2022.

#### Chronology of Events

- April 5, 2022, evening – TRC informed Consor of voids they encountered while removing the sidewalk in the area.
- April 6 & 7, Consor informed Diego Velazquez by phone and Diego replied on April 7 with information on the repair that had been done earlier during the project (e-mail attached)
- April 14, 2022 – Chloann and Diego meet with FDOT operations to discuss
- April 25, 2022 – per Diego, Geoview is scheduled to perform GPR on Thursday April 28<sup>th</sup>, 2022



- April 26, 2022 – Claim by TRC dated April 26, 2022
- April 27, 2022 – GPR testing was performed by Geoview.
- May 11, 2022 GPR report date
- May 12, 2022 to May 18, 2022 – TRC provided Trunk Line Videos to FDOT
- May 18, 2022 - Rich received the GPR report? And an e-mail/ voice message from James Hughes
- May 26, 2022 – Team Meeting with FDOT, where it was requested that IRC gets a cost estimate for poly injections for voids and joints
- June 2, 2022 – Rich sends cost estimate for joint repair and void filling to FDOT for an estimate from Uretek of \$395,000.00
- June 7, 2022 – Diego send an email authorizing the void filling for \$187,000.00
- June 11, 2022 – Bill Adams spoke to Deb Ishan (District 4)
- June 11, 2022 – TRC sends proposal for \$444,045.07
- June 17, 2022 – Diego and ChloAnn requested a meeting to discuss the proposal from TRC – We agreed on separating the injection work as a WCD and proceed with the time extension with a change order at a later date when exact time required would be known.
- June 20, 2022 – WCD 023 was send to FDOT for concurrence (\$273,203.51)
- June 21, 2022 – CloAnn notified Consor about a disagreement about the Vac truck and the CCTV, and a request to add an FDOT spec to the WCD
- June 23, 2022 – James Hughes has signed WCD 023 for \$273,203.51.
- June 24, 2022 – WCD executed for \$273,203.51
- July 18, 2022 – Subcontractor mobilizes to the project
- July 27, 2022 – Subcontractor completes the soil injection
- August 1, 2022 – TRC remobilizes crews to the project

### Scope of Analysis

This Time Extension Analysis is a retrospective (backward looking) analysis of the impact to the schedule completion date caused by impacts of the 54” pipe issues and associated soil injection work.

### Description of Analysis

The schedule used as a base for the analysis is the April 30, 2022, completion schedule update. This update was chosen because it was the closest update to the start date of the delay event. Although the project was technically being impacted by the 54” pipe issues on April 30, in the interest of efficiency, it was chosen as the “un-impacted” schedule with a completion date of October 6, 2022.

For the impacted schedule, activity IM010 was added to the schedule to represent the 54” pipe issues and soil injection collectively (start date of April 25, 2022 and finish date of July 27, 2022) and activity IM020 was added to represent the remobilization of the Contractor crews (planned start date of July 28, 2022, and planned finish date of August 1, 2022). With a data date of July 27, 2022, the completion date of the impacted schedule is January 5, 2023.

Conclusion

Comparing the earliest schedule completion dates of the impacted schedule and un-impacted schedule indicates there is a change in the completion date.

CPM Analysis:

	<b>Data Date</b>	<b>Completion Date</b>
Un-impacted	April 30, 2022	October 6, 2022
Impacted	July 27, 2022	January 5, 2023
<b>Difference</b>		<b><u>91</u></b>

During the impact period associated with the 54" Pipe Issues and Soil Injection (April 30, 2022, until August 1, 2022), a total of 7 weather days and holidays were granted. In addition, by inspection, it appears there are an additional 4 days (April 27, 2022 to April 30, 2022) prior to the data date of the un-impacted schedule during which the project was also impacted with 1 of those days being a weather day. Therefore, a time extension is warranted for the 54" Pipe Issues and Soil Injection for a total of **87 Calendar Days**.

43rd Avenue SR 60 Project Completion Schedule DD=4/30/22		Longest Path							03-Aug-22 09:28						
Activity ID	Activity Name	Activity Type	Calendar	Original Duration	Remaining Duration	Duration % Complete	Start	Finish	Total Float	2022					
										May	Jun	Jul	Aug	Sep	Oct
A1380	Adjust Structure tops/Install Curb EB SR60-39th to End of project	Task Dependent	5 Day Work Week with Holidays	6	6	0%	02-May-22	09-May-22	0	Adjust Structure tops/Install Curb EB SR60-39th to End of project					
A1390	Install Driveways EB SR60- 39th to end of project	Task Dependent	5 Day Work Week with Holidays	2	2	0%	10-May-22	11-May-22	0	Install Driveways EB SR60- 39th to end of project					
A1400	Install Sidewalk EB SR60- 39th to end of project	Task Dependent	5 Day Work Week with Holidays	3	3	0%	12-May-22	16-May-22	0	Install Sidewalk EB SR60- 39th to end of project					
A1450	Restripe for new MOT configuration as Necessary	Task Dependent	5 Day Work Week with Holidays	1	1	0%	24-May-22	24-May-22	0	Restripe for new MOT configuration as Necessary					
A1470	Survey Median Traffic Separator Footprint SR60	Task Dependent	5 Day Work Week with Holidays	2	2	0%	24-May-22	25-May-22	0	Survey Median Traffic Separator Footprint SR60					
A1440	Modify Project MOT to open outside lanes of SR 60, close center lanes	Task Dependent	5 Day Work Week with Holidays	3	3	0%	29-Apr-22 A	26-May-22	0	Modify Project MOT to open outside lanes of SR 60, close center lanes					
A2875	Clear & Grub SR60 Median - 42nd to 40th	Task Dependent	5 Day Work Week with Holidays	10	10	0%	26-May-22	09-Jun-22	0	Clear & Grub SR60 Median - 42nd to 40th					
A1680	Build Median Curb Pad SR60 40th to East End	Task Dependent	5 Day Work Week with Holidays	7	7	0%	10-Jun-22	20-Jun-22	0	Build Median Curb Pad SR60 40th to East End					
A2880	Build Median Curb Pad SR60 42nd to 40th	Task Dependent	5 Day Work Week with Holidays	7	7	0%	10-Jun-22	20-Jun-22	0	Build Median Curb Pad SR60 42nd to 40th					
A1690	Form/Pour Curb SR60 40th to East End	Task Dependent	5 Day Work Week with Holidays	4	4	0%	21-Jun-22	24-Jun-22	0	Form/Pour Curb SR60 40th to East End					
A2890	Form/Pour Curb in Median SR60 42nd to 40th	Task Dependent	5 Day Work Week with Holidays	4	4	0%	21-Jun-22	24-Jun-22	0	Form/Pour Curb in Median SR60 42nd to 40th					
A1840	After SR60 Median Curb in- Survey all SR60 Asphalt	Task Dependent	5 Day Work Week with Holidays	2	2	0%	27-Jun-22	28-Jun-22	0	After SR60 Median Curb in- Survey all SR60 Asphalt					
A1850	Mill/Pave Overbuild as Needed to Bottom of structural asphalt elevation.	Task Dependent	5 Day Work Week with Holidays	4	3	25%	24-Jun-22 A	01-Jul-22	0	Mill/Pave Overbuild as Needed to Bottom of structural asphalt					
A1860	Mill Remaining existing asphalt on SR60, Pave back Structural	Task Dependent	5 Day Work Week with Holidays	2	2	0%	05-Jul-22	06-Jul-22	0	Mill Remaining existing asphalt on SR60, Pave back Structural					
A1870	TRC adjust Manholes SR60	Task Dependent	5 Day Work Week with Holidays	18	18	0%	07-Jul-22	01-Aug-22	0	TRC adjust Manholes SR60					
A1880	AT&T adjust Manholes SR60	Task Dependent	5 Day Work Week with Holidays	3	3	0%	02-Aug-22	04-Aug-22	0	AT&T adjust Manholes SR60					
A1890	Pave Structural Asphalt WB SR60, East of Intersection	Task Dependent	5 Day Work Week with Holidays	3	3	0%	05-Aug-22	09-Aug-22	0	Pave Structural Asphalt WB SR60, East of Intersection					
A1900	Pave Structural Asphalt WB SR60, West of Intersection	Task Dependent	5 Day Work Week with Holidays	2	2	0%	10-Aug-22	11-Aug-22	0	Pave Structural Asphalt WB SR60, West of Intersection					
A1910	Pave Structural Asphalt EB SR60 East of Intersection	Task Dependent	5 Day Work Week with Holidays	3	3	0%	12-Aug-22	16-Aug-22	0	Pave Structural Asphalt EB SR60 East of Intersection					
A1920	Pave Structural Asphalt EB SR60 West of Intersection	Task Dependent	5 Day Work Week with Holidays	2	2	0%	17-Aug-22	18-Aug-22	0	Pave Structural Asphalt EB SR60 West of Intersection					
A2080	Pave Friction EB SR60 West of Intersection	Task Dependent	5 Day Work Week with Holidays	2	2	0%	19-Aug-22	22-Aug-22	0	Pave Friction EB SR60 West of Intersection					
A2085	Friction Cure EB SR60 West of Intersection	Task Dependent	7 Day Work Week no Holidays	14	14	0%	23-Aug-22	05-Sep-22	0	Friction Cure EB SR60 West of Intersection					
A9990	Substantial Completion	Finish Milestone	5 Day Work Week with Holidays	0	0	0%		06-Sep-22	0	Substantial Completion					
A0000	Project Duration	Level of Effort	7 Day Work Week no Holidays	128	130	0%	28-Mar-22 A	06-Sep-22	0	Project Duration					
A2150	Install Thermo EB SR60	Task Dependent	5 Day Work Week with Holidays	1	1	0%	06-Sep-22	06-Sep-22	0	Install Thermo EB SR60					
A9999	Final Completion	Finish Milestone	5 Day Work Week with Holidays	0	0	0%		06-Oct-22	0	Final Completion					

Actual Work   
 Critical Remaining Work   
 Summary  
 Remaining Work   
 Milestone

43rd Avenue SR 60 Project Completion Schedule DD=4/30/22		Longest Path							03-Aug-22 09:28						
Activity ID	Activity Name	Activity Type	Calendar	Original Duration	Remaining Duration	Duration % Complete	Start	Finish	Total Float	2022					
										May	Jun	Jul	Aug	Sep	Oct
A1800	Satisfy FDOT/County/CEI Punchlist	Task Dependent	7 Day Work Week no Holidays	30	30	0%	07-Sep-22	06-Oct-22	0						Satisfy

Actual Work   
  Critical Remaining Work   
 ▼ Summary  
 Remaining Work   
 ◆ Milestone

43rd Avenue SR 60 Project Impact Schedule DD=7/27/22										03-Aug-22 09:27						
Activity ID	Activity Name	Activity Type	Calendar	Longest Path			Start	Finish	Total Float	2022						2023
				Original Duration	Remaining Duration	Duration % Complete				Aug	Sep	Oct	Nov	Dec	Jan	
IMP010	Resolution of 54" Storm Drain EB60 40th to End of Project	Task Dependent	7 Day Work Week no Holidays	73	0	100%	25-Apr-22 A	27-Jul-22 A	0	Resolution of 54" Storm Drain EB60 40th to End of Project						
IMP020	Remobilization After Soil Injection	Task Dependent	5 Day Work Week with Holidays	3	3	0%	28-Jul-22	01-Aug-22	0	Remobilization After Soil Injection						
A1380	Adjust Structure tops/Install Curb EB SR60-39th to End of project	Task Dependent	5 Day Work Week with Holidays	6	6	0%	02-Aug-22	09-Aug-22	0	Adjust Structure tops/Install Curb EB SR60-39th to End of project						
A1390	Install Driveways EB SR60- 39th to end of project	Task Dependent	5 Day Work Week with Holidays	2	2	0%	10-Aug-22	11-Aug-22	0	Install Driveways EB SR60- 39th to end of project						
A1400	Install Sidewalk EB SR60- 39th to end of project	Task Dependent	5 Day Work Week with Holidays	3	3	0%	12-Aug-22	16-Aug-22	0	Install Sidewalk EB SR60- 39th to end of project						
A1450	Restripe for new MOT configuration as Necessary	Task Dependent	5 Day Work Week with Holidays	1	1	0%	24-Aug-22	24-Aug-22	0	Restripe for new MOT configuration as Necessary						
A1470	Survey Median Traffic Separator Footprint SR60	Task Dependent	5 Day Work Week with Holidays	2	2	0%	24-Aug-22	25-Aug-22	0	Survey Median Traffic Separator Footprint SR60						
A1440	Modify Project MOT to open outside lanes of SR 60, close center lanes	Task Dependent	5 Day Work Week with Holidays	3	3	0%	29-Apr-22 A	26-Aug-22	0	Modify Project MOT to open outside lanes of SR 60, close center lanes						
A2875	Clear & Grub SR60 Median - 42nd to 40th	Task Dependent	5 Day Work Week with Holidays	10	10	0%	26-Aug-22	09-Sep-22	0	Clear & Grub SR60 Median - 42nd to 40th						
A1680	Build Median Curb Pad SR60 40th to East End	Task Dependent	5 Day Work Week with Holidays	7	7	0%	12-Sep-22	20-Sep-22	0	Build Median Curb Pad SR60 40th to East End						
A2880	Build Median Curb Pad SR60 42nd to 40th	Task Dependent	5 Day Work Week with Holidays	7	7	0%	12-Sep-22	20-Sep-22	0	Build Median Curb Pad SR60 42nd to 40th						
A1690	Form/Pour Curb SR60 40th to East End	Task Dependent	5 Day Work Week with Holidays	4	4	0%	21-Sep-22	26-Sep-22	0	Form/Pour Curb SR60 40th to East End						
A2890	Form/Pour Curb In Median SR60 42nd to 40th	Task Dependent	5 Day Work Week with Holidays	4	4	0%	21-Sep-22	26-Sep-22	0	Form/Pour Curb In Median SR60 42nd to 40th						
A1840	After SR60 Median Curb in-- Survey all SR60 Asphalt	Task Dependent	5 Day Work Week with Holidays	2	2	0%	27-Sep-22	28-Sep-22	0	After SR60 Median Curb in-- Survey all SR60 Asphalt						
A1850	Mill/Pave Overbuild as Needed to Bottom of structural asphalt elevation.	Task Dependent	5 Day Work Week with Holidays	4	3	25%	24-Jun-22 A	03-Oct-22	0	Mill/Pave Overbuild as Needed to Bottom of structural asp						
A1860	Mill Remaining existing asphalt on SR60, Pave back Structural	Task Dependent	5 Day Work Week with Holidays	2	2	0%	04-Oct-22	05-Oct-22	0	Mill Remaining existing asphalt on SR60, Pave back Stru						
A1870	TRC adjust Manholes SR60	Task Dependent	5 Day Work Week with Holidays	18	18	0%	06-Oct-22	31-Oct-22	0	TRC adjust Manholes SR60						
A1880	AT&T adjust Manholes SR60	Task Dependent	5 Day Work Week with Holidays	3	3	0%	01-Nov-22	03-Nov-22	0	AT&T adjust Manholes SR60						
A1890	Pave Structural Asphalt WB SR60. East of Intersection	Task Dependent	5 Day Work Week with Holidays	3	3	0%	04-Nov-22	08-Nov-22	0	Pave Structural Asphalt WB SR60. Ea						
A1900	Pave Structural Asphalt WB SR60. West of Intersection	Task Dependent	5 Day Work Week with Holidays	2	2	0%	09-Nov-22	10-Nov-22	0	Pave Structural Asphalt WB SR60. W						
A1910	Pave Structural Asphalt EB SR60 East of Intersection	Task Dependent	5 Day Work Week with Holidays	3	3	0%	11-Nov-22	15-Nov-22	0	Pave Structural Asphalt EB SR60						
A1920	Pave Structural Asphalt EB SR60 West of Intersection	Task Dependent	5 Day Work Week with Holidays	2	2	0%	16-Nov-22	17-Nov-22	0	Pave Structural Asphalt EB SR60						
A2080	Pave Friction EB SR60 West of Intersection	Task Dependent	5 Day Work Week with Holidays	2	2	0%	18-Nov-22	21-Nov-22	0	Pave Friction EB SR60 West of						
A2085	Friction Cure EB SR60 West of Intersection	Task Dependent	7 Day Work Week no Holidays	14	14	0%	22-Nov-22	05-Dec-22	0	Friction Cure EB SR60						
A9990	Substantial Completion	Finish Milestone	5 Day Work Week with Holidays	0	0	0%	06-Dec-22	06-Dec-22	0	Substantial Completion						
A0000	Project Duration	Level of Effort	7 Day Work Week no Holidays	128	132	0%	28-Mar-22 A	06-Dec-22	0	Project Duration						

Actual Work   
 Critical Remaining Work   
 Summary  
 Remaining Work   
 Milestone

43rd Avenue SR 60 Project Impact Schedule DD=7/27/22		Longest Path							03-Aug-22 09:27						
Activity ID	Activity Name	Activity Type	Calendar	Original Duration	Remaining Duration	Duration % Complete	Start	Finish	Total Float	2022					2023
										Aug	Sep	Oct	Nov	Dec	Jan
A2150	Install Thermo EB SR60	Task Dependent	5 Day Work Week with Holidays	1	1	0%	06-Dec-22	06-Dec-22	0						
A9999	Final Completion	Finish Mile	5 Day Work Week with	0	0	0%	05-Jan-23	05-Jan-23	0						◆ Final C
A1800	Satisfy FDOT/County/CEI Punchlist	Task Depen	7 Day Work Week no	30	30	0%	07-Dec-22	05-Jan-23	0						☐ Satisfy

Actual Work   
  Critical Remaining Work   
 ▼ Summary  
 Remaining Work   
 ◆ Milestone

Engineer's Estimate - Change Order 01

Equipment	Unit	Actual Quantity	Unit Cost w/ M-Up	Total Cost
Pickup Truck (MOT, Vac, & CCTV Crews)	hrs.	81	\$ 49.64	\$ 4,020.84
Vac Truck	hrs.	0	\$ 36.18	\$ -
Vac Truck (Revised Pricing)	Day	9	\$ 2,508.64	\$ 22,577.76
CCTV Truck (F-550)	hrs.	81	\$ 230.99	\$ 18,710.19
				\$ 45,308.79

Description	Unit	Quantity	Unit Cost	Amount
Extended MOT	Day	87	\$396.67	\$34,510.29
Extended Erosion Control & Maintenance	Day	87	\$38.89	\$3,383.43
Extended Indirect Costs, Expenses, and Profit	Day	68	\$1,515.73	\$103,069.64
			<b>Total</b>	\$140,963.36

Labor	Unit	Actual Quantity	Unit Cost	Total Cost
Foreman (MOT, CCTV, & MOT Crews)	hrs.	81	106.72	\$ 8,644.32
Vac Truck Operator	hrs.	81	74.7	\$ 6,050.70
Skilled Laborer (Vac & CCTV & MOT Crews)	hrs.	268	52.03	\$ 13,944.04
CCTV Truck Operator	hrs.	81	72.03	\$ 5,834.43
				\$ 34,473.49

Subcontractor	Unit	Actual Quantity	Unit Cost	Total Cost
Polyurethane	lbs.	24,170.45	7.61	\$ 183,937.15

\$ 263,719.43

**Total Amount of CO** \$ 404,682.79

Equipment	Bond & GL Rate	
Semi Truck (Low boy Trailer)	0.00431	68.54
LowBoy Trailer		47.53
Pickup Truck (MOT, Vac, & CCTV Crews)		42.98
Vac Truck		31.33
CCTV Truck (F-550)		200
Utility Trailer		3.48
<b>Labor</b>	<b>Burden M/Up</b>	
LowBoy Semi Operator Class A CDL	0.4263 0.15	22
Foreman (MOT, CCTV, & MOT Crews)		40
Vac Truck Operator		28
Skilled Laborer (Vac & CCTV & MOT Crews)		19.5
CCTV Truck Operator		27

William R  
Adams

Digitally signed by  
William R Adams  
Date: 2022.11.08  
10:53:42 -05'00'



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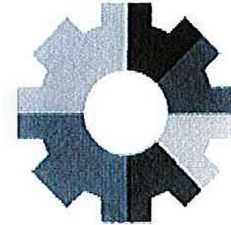
All prices shown in US dollars (\$)

**Rental Rate Blue Book®**

June 16, 2022

**International 5500 (6X6)**  
On-Highway Truck Tractors

Size Class:  
45,001 - 60,000 GVW  
Weight:  
16500 lbs



**Configuration for 5500 (6X6)**

Horsepower **300.0** Power Mode **Diesel**

**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$51.27	FHWA Rate** Hourly USD \$69.05
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$3,130.00	USD \$875.00	USD \$220.00	USD \$33.00		
<b>Adjustments</b>						
Region ( Florida: 97.1%)	(USD \$90.77)	(USD \$25.38)	(USD \$6.38)	(USD \$0.96)		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$3,039.23</b>	<b>USD \$849.63</b>	<b>USD \$213.62</b>	<b>USD \$32.04</b>	<b>USD \$51.27</b>	<b>USD \$68.54</b>

**Non-Active Use Rates**

	Hourly
Standby Rate	USD \$8.63
Idling Rate	USD \$55.00

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	50%	USD \$1,565.00/mo
Overhaul (ownership)	32%	USD \$1,001.60/mo
CFC (ownership)	5%	USD \$156.50/mo
Indirect (ownership)	13%	USD \$406.90/mo
Fuel (operating) @ USD 5.13	74%	USD \$37.73/hr

Revised Date: 2nd quarter 2022

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for KESARI IYENGAR  
(kesari@consoreng.com)





www.equipmentwatch.com

All prices shown in US dollars (\$)

**Rental Rate Blue Book®**

June 16, 2022

Miscellaneous 6 AXLE 8 TIRE 80'  
Lowboy Trailers

Size Class:  
All  
Weight:  
N/A



**Configuration for 6 AXLE 8 TIRE 80'**

Power Mode **Manual**

**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$10.43	FHWA Rate** Hourly USD \$47.65
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$6,550.00	USD \$1,835.00	USD \$460.00	USD \$69.00		
<b>Adjustments</b>						
Region ( Florida: 99.7%)	(USD \$19.65)	(USD \$5.51)	(USD \$1.38)	(USD \$0.21)		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
<b>Total:</b>	<b>USD \$6,530.35</b>	<b>USD \$1,829.49</b>	<b>USD \$458.62</b>	<b>USD \$68.79</b>	<b>USD \$10.43</b>	<b>USD \$47.53</b>

**Non-Active Use Rates**

	Hourly
Standby Rate	USD \$18.55
Idling Rate	USD \$37.10

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	70%	USD \$4,585.00/mo
Overhaul (ownership)	19%	USD \$1,244.50/mo
CFC (ownership)	4%	USD \$262.00/mo
Indirect (ownership)	7%	USD \$458.50/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2022

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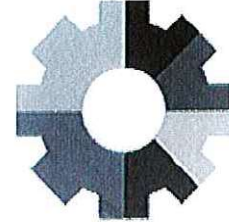
All prices shown in US dollars (\$)

**Rental Rate Blue Book®**

June 14, 2022

Miscellaneous GOOSE 2 1 8  
Non-Tilt Deck Utility Trailers

Size Class:  
All  
Weight:  
9800 lbs



**Configuration for GOOSE 2 1 8**

Capacity	<b>8.0 t</b>	Hitch Type	<b>Gooseneck/5th Wheel</b>
Number Of Axles	<b>2.0</b>	Number Of Tires	<b>4.0</b>
Power Mode	<b>Manual</b>		

**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$330.00	USD \$92.00	USD \$23.00	USD \$3.00	USD \$1.67	USD \$3.55
<b>Adjustments</b>						
Region ( Florida: 96.7%)	(USD \$10.89)	(USD \$3.04)	(USD \$0.76)	(USD \$0.10)		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
<b>Total:</b>	<b>USD \$319.11</b>	<b>USD \$88.96</b>	<b>USD \$22.24</b>	<b>USD \$2.90</b>	<b>USD \$1.67</b>	<b>USD \$3.48</b>

**Non-Active Use Rates**

	<b>Hourly</b>
Standby Rate	USD \$0.91
Idling Rate	USD \$1.81

**Rate Element Allocation**

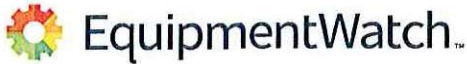
Element	Percentage	Value
Depreciation (ownership)	51%	USD \$168.30/mo
Overhaul (ownership)	31%	USD \$102.30/mo
CFC (ownership)	4%	USD \$13.20/mo
Indirect (ownership)	14%	USD \$46.20/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2022

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(kesari@consoreng.com)



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All prices shown in US dollars (\$)

**Rental Rate Blue Book®**

June 14, 2022

**Dodge 2500**  
On-Highway Light Duty Trucks

Size Class:  
**300 HP & Over**  
Weight:  
N/A



**Configuration for 2500**

Axle Configuration	4.0 X 4.0	Cab Type	Crew
Horsepower	383.0 hp	Power Mode	Gasoline
Ton Rating	3.0 / 4.0		

**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$1,165.00	USD \$325.00	USD \$81.00	USD \$12.00	USD \$36.49	USD \$43.11
<b>Adjustments</b>						
Region ( Florida: 98%)	(USD \$23.30)	(USD \$6.50)	(USD \$1.62)	(USD \$0.24)		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
<b>Total:</b>	<b>USD \$1,141.70</b>	<b>USD \$318.50</b>	<b>USD \$79.38</b>	<b>USD \$11.76</b>	<b>USD \$36.49</b>	<b>USD \$42.98</b>

**Non-Active Use Rates**

**Standby Rate = (42.98-36.49)/2=\$3.25**

Standby Rate	Hourly	USD \$4.99
Idling Rate		USD \$37.34

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	60%	USD \$699.00/mo
Overhaul (ownership)	23%	USD \$267.95/mo
CFC (ownership)	3%	USD \$34.95/mo
Indirect (ownership)	14%	USD \$163.10/mo
Fuel (operating) @ USD 4.24	85%	USD \$30.85/hr

Revised Date: 2nd quarter 2022

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All prices shown in US dollars (\$)

**Rental Rate Blue Book®**

June 14, 2022

**Ditch Witch FXT65 AIR**  
Vacuum Trucks

Size Class:  
All  
Weight:  
N/A



**Configuration for FXT65 AIR**

Power Mode	<b>Diesel</b>	Water Tank Capacity	<b>200 gal</b>
Spoils Tank Capacity	<b>800 gal</b>	Carrier Power Mode	<b>Diesel</b>
Carrier Horsepower	<b>74 hp</b>	Carrier Gvwr	<b>33000 lbs</b>
System Air Flow	<b>1215 cu ft/min</b>	Maximum Flow	<b>5.5 gal/min</b>

**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$2,550.00	USD \$715.00	USD \$180.00	USD \$27.00	USD \$17.41	USD \$31.90
<b>Adjustments</b>						
Region ( Florida: 96.1%)	(USD \$99.45)	(USD \$27.89)	(USD \$7.02)	(USD \$1.05)		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
<b>Total:</b>	<b>USD \$2,450.55</b>	<b>USD \$687.11</b>	<b>USD \$172.98</b>	<b>USD \$25.95</b>	<b>USD \$17.41</b>	<b>USD \$31.33</b>

**Non-Active Use Rates**

**Standby Rate = (\$31.33-\$17.41)/2 = \$6.96**

Standby Rate	Hourly	USD \$6.96
Idling Rate	Hourly	USD \$23.23

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	43%	USD \$1,096.50/mo
Overhaul (ownership)	35%	USD \$892.50/mo
CFC (ownership)	4%	USD \$102.00/mo
Indirect (ownership)	18%	USD \$459.00/mo
Fuel (operating) @ USD 5.13	53%	USD \$9.31/hr

Revised Date: 2nd quarter 2022

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**CERTIFICATION OF SUBLET WORK**

TO: THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

Date: 12/08/2021
Request No.: 37
FAP No.: D717065B
Fin. Proj. ID: 43057315201
Cont. No.: T7412
County: Pasco
Total Contract Amount
Total Work
\$32,988,888.88

General Info
Prime Contractor
Superior Construction Co
F.E.I.D. #
26-3552913

Ava Graham  
 Contractor

By: Superior Construction Co.

7072 Business Park Blvd. N.  
 Address

Jacksonville, FL 32256

Change	Subcontractor Name	Tier	FEID #	Subcontract to Whom	Work Description	Partial	Total Amt Sublet	DBE/ NON DBE
	Atlantic Pipe Services, LLC	2	81-4515509	Superior Construction	Pipe Cleaning	P	38987.50	N
					TOTAL		\$ 38,987.50	

All pertinent provisions and requirements of the prime contract including but not limited to Required Contract Provisions Federal-Aid Construction Contracts (FHWA-1273) and Special Provisions - Specific Equal Opportunity Responsibilities (Per 23 CFR-633B of Federal-Aid Policy Guide) will be part of the subcontract. It is agreed that an Executed or a certified copy of the subcontract will be submitted upon request, to the State of Florida Department of Transportation. All sublets will be in continued compliance with all Contract provisions and that the Contractor will continue to perform the minimum percentage of Contract work with its own organization, as required by said Contract. It is recognized and agreed that, as prime contractor, the undersigned remains responsible for the proper performance of all requirements of said contract does not relieve or release the undersigned and his surety or either of them of any liability under the contract bond. The Contractor shall send a copy of this form to the subcontractor/ subordinate (with a copy of FHWA-1273 on Federal-Aid Projects) and the Surety Company. The Prime certify that firms or individuals, debarred or suspended by the FHWA or the Department, are not being used as subcontractors.

State of Florida  
 County of \_\_\_\_\_

Sworn to (or affirmed) and subscribed before me, by means of  physical presence or  online notarization, this \_\_\_\_\_ day of \_\_\_\_\_ (year), by \_\_\_\_\_ (Print name of person signing Certification)

A false statement or omission made in connection with this certification is sufficient cause for suspension, revocation, or denial of qualification to bid, and a determination of non-responsibility, and may subject the person and/or entity making the false statement to any and all civil and criminal penalties available pursuant to applicable Federal and State Law.

Notary Public, not required when digital  
 \_\_\_\_\_  
 Commission Expires \_\_\_\_\_  
 Personally Knows \_\_\_\_\_ OR Produced Identification \_\_\_\_\_  
 Type of Identification Produced \_\_\_\_\_

**SUPERIOR CONSTRUCTION COMPANY SOUTHEAST, LLC  
SCHEDULE A**

Project Name SR 56 (I-75) Interchange  
 Financial Project No. 430573-1-52-01  
 Contract No. T7412  
 Subcontractor: Atlantic Pipe Services, LLC

ITEM #	DESCRIPTION	QTY	UM	UNIT PRICE	EXTENSION
0430 175 118	Light Cleaning 00"-18" Storm	6,718.00	LF	\$1.25	\$8,397.50
0430 175 124	Light Cleaning 24"-30" Storm	4,068.00	LF	\$1.50	\$6,102.00
0430 175 136	Light Cleaning 36"-42" Storm	2,953.00	LF	\$1.75	\$5,167.75
0430 175 148	Light Cleaning 48"-54" Storm	766.00	LF	\$2.00	\$1,532.00
0430 175 166	Light Cleaning 60"-66" Storm	16.00	LF	\$2.50	\$40.00
0430 175 118	CCTV Inspection (rigid pipe - per FDOT Spec)	14,521.00	LF	\$1.20	\$17,425.20
0430 175 118	Additional Fee for Laser Profiling (non-rigid pipe- per FDOT spec)	923.00	LF	\$0.35	\$323.05
0430 175 118	VAC Truck: Hourly Rate for Heavy Cleaning	-	HR	\$235.00	-
0430 175 118	TV Truck: If called out for less than 1000LF (4HR Minimum)	-	HR	\$200.00	-
0430 175 118	VAC Truck: If called out for less than 1000LF (4HR Minimum)	-	HR	\$235.00	-
	<b>Total</b>				<b>\$38,987.50</b>

*Ava Graham*

\_\_\_\_\_  
SIGNATURE OF PRIME CONTRACTOR



**IRC-0853\_SR60 & 43rd Avenue**

**ENG - IRC Inspector DWR : 1750**

<b>Subject:</b>	MOT & POLYURETHANE INJECTION (NO ACTIVITY #);		
<b>Author:</b>	Robert Cromwell	<b>Held By:</b>	Robert Cromwell
<b>Date Created:</b>	07.20.2022 07:41am	<b>Date Due:</b>	07.18.2022

---

**Date of report:** 07.18.2022

**DAY OF THE WEEK:** Monday

**CONTRACT DAY::** 876

**MATERIAL RECEIVED AT THE JOB SITE:** N/A

**CONTRACT QUANTITY INCREASES TODAY:** N/A

**Weather Conditions:** Clear

**Temperature:** 91H / 75L

**WIND::** None

**RAIN::** None

**RAIN DURATION::** 0-2 hrs.

**SOIL CONDITION::** Acceptable All Day

**SOIL CONDITION::** Dry

**Trades on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
2-Skilled  
AWSD (SUB);  
3-Skilled  
URETEK (SUB);  
1-Superintendant  
5-Skilled

**Total Personnel Count:** 11

**Equipment on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
1-Chevrolet 4X4 Denali Pickup Truck  
ASWD (SUB);  
1-Vac Truck  
1-F550 Box Truck (Video Truck)  
Hand tools  
URETEK (SUB);  
1-Chevrolet Z71 Pickup Truck  
1-F250 4X4 Pickup Truck  
1-F550 Flatbed Truck  
1-Tractor Trailer  
1-Generator  
2-Drills  
Hand Tools

**Summary of Work:** TIMOTHY ROSE CONTRACTING (PRIME);  
MOT (No ACTIVITY #);  
1) Set up and remove WB S.R.# 60 Left turn lane and EB S.R.# 60 Right turn with Road Closed on 39th Ave.  
ASWD (SUB);  
DESILTING & VIDEO (No ACTIVITY #);  
1) Begin desilting with Vac truck prior to Videoing existing 54" RCP on RT (R3) roadway of S.R.# 60 @ S-7 to S-4 @ Station # 2656+25 - 2659+67 RT.  
URETEK (SUB);  
POLYURETHANE INJECTION (No Activity #);  
1) Begin preparing and cutting 4', 8' & 12' rods for Polyurethane injection on RT (R3) roadway of S.R.# 60 @ GPR location #1 @ Station # 2658+51 - 2656+35 RT (216').  
2) Begin layout outside of located AT&T duct bank for 4', 8' and 12' rods to be drilled every 4' on center and on north & south side of existing 54" RCP starting at Station # 2658+51 - 2657+50 RT.  
3) Begin drilling holes for 4', 8' & 12' rods every 4' on center and on north & south side of existing 54" RCP starting at Station # 2658+51 - 2657+50 RT.

**Safety Issues:** N/A

**Other Observations:** N/A

**Jobsite Photo:** 7-18-22 MOT (3).JPG

**Visitors/Company:** Locater located AT&T Duct Bank on S.R.#60 @ 39th Ave prior to drilling holes for rods.

**HOURS AT JOBSITE:** 7:00a.m. - 4:30p.m. (9.0Hrs.)

---

**Form Created** 07.20.2022 07:41am **To:** Matt Kirkland  
**CC:**

---

**Comment** 08.09.2022 10:32am **By:** Matt Kirkland  
**CC:**

Form closed and placed back in the author's court.



Attached Files: ENG - IRC Inspector DWR #1750.doc



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IRC-0853\_SR60 & 43rd Avenue  
**ENG - IRC Inspector DWR:#1750**

Subject: MOT & POLYURETHANE INJECTION (NO ACTIVITY #);  
Author: Cromwell, Robert, CONSOR Engineers, LLC  
Priority: Normal  
Date Created: 07.20.2022 07:41AM

---

Held By: Cromwell, Robert, CONSOR Engineers, LLC  
Status: 16.2d late  
Date Due: 07.18.2022  
Date Closed: 08.09.2022 10:32AM

**CC List:**

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**Comments**

**Comment** By: Matt Kirkland, CONSOR Engineers, LLC  
08.09.2022 10:32AM **CC:**

Form closed and placed back in the author's court.

**Form Filled Out** By: Robert Cromwell, CONSOR Engineers, LLC  
07.20.2022 07:41AM **CC:**

Jul 18, 2022 at 3:09:42 PM  
Vero Beach





**IRC-0853\_SR60 & 43rd Avenue**

---

**ENG - IRC Inspector DWR : 1751**

**Subject:** MOT & POLYURETHANE INJECTION (NO ACTIVITY #);  
**Author:** Robert Cromwell **Held By:** Robert Cromwell  
**Date Created:** 07.21.2022 07:26am **Date Due:** 07.19.2022

---

**Date of report:** 07.19.2022  
**DAY OF THE WEEK:** Tuesday  
**CONTRACT DAY::** 877  
**MATERIAL RECEIVED AT THE JOB SITE:** N/A  
**CONTRACT QUANTITY INCREASES TODAY:** N/A  
**Weather Conditions:** Clear  
**Temperature:** 91H / 77L  
**WIND::** None  
**RAIN::** None  
**RAIN DURATION::** 0-2 hrs.  
**SOIL CONDITION::** Acceptable All Day  
**SOIL CONDITION::** Dry  
**Trades on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
AWSD (SUB);  
4-Skilled  
URETEK (SUB);  
1-Superintendant  
5-Skilled  
**Total Personnel Count:** 10  
**Equipment on site:** TIMOTHY ROSE CONTRACTING (PRIME);

ASWD (SUB);  
1-Vac Truck  
1-F550 Box Truck (Video Truck)  
Hand tools  
URETEK (SUB);  
1-Chevrolet Z71 Pickup Truck  
1-F250 4X4 Pickup Truck  
1-F550 Flatbed Truck  
1-Tractor Trailer  
1-Generator  
1-Fork Lift  
2-Spray Guns  
Hand Tools

**Summary of Work:** TIMOTHY ROSE CONTRACTING (PRIME);  
MOT (No ACTIVITY #);  
1) Continue to set up and remove WB S.R.# 60 Left turn lane and EB S.R.# 60 Right turn with Road Closed on 39th Ave.  
ASWD (SUB);  
DESILTING & VIDEO (No ACTIVITY #);  
1) Continue desilting with Vac truck prior to Videoing existing 54" RCP during Polyurethane Injection on RT (R3) roadway/sidewalk of S.R.# 60 @ S-7 to S-4 @ Station # 2656+25 - 2659+67 RT.  
2) Begin videoing existing 54" RCP during Polyurethane injection operation for leaks and blow outs @ Station # 2658+51 - 2657+83 RT.  
URETEK (SUB);  
POLYURETHANE INJECTION (No Activity #);  
1) Continue preparing and cutting 4', 8' & 12' rods for Polyurethane injection on RT (R3) roadway of S.R.# 60 @ GPR location #1 @ Station # 2658+51 - 2656+35 RT (216').  
2) Begin drilling and installing for 4', 8' and 12' rods every 4' on center and on each side of existing 54" RCP starting at Station # 2658+51 - 2657+83 RT.  
3) Begin injecting Polyurethane to a depth of 4', 8' and 12' through rods and took meter readings after each required depth from Station # 2658+51 - 2657+83 RT for a total of 68' which took 3,997.8466 lbs.

**Safety Issues:** N/A

**Other Observations:** N/A

**Jobsite Photo:** 7-19-22 Polyurethane Injection (2).JPG

**Visitors/Company:** AT&T on site observing and sniffing for helium leaks on fiber optic duct bank on S.R.# 60 & 39th Ave.

**HOURS AT JOBSITE:** 7:00a.m. - 6:00p.m. (10.5Hrs.)

---

**Form Created** 07.21.2022 07:26am **To:** Matt Kirkland  
**CC:**

---

**Comment** **By:** Matt Kirkland

08.09.2022 10:31am      **CC:**

Form closed and placed back in the author's court.

Attached Files: ENG - IRC Inspector DWR #1751.doc



---

IRC-0853\_SR60 & 43rd Avenue  
**ENG - IRC Inspector DWR:#1751**

Subject: MOT & POLYURETHANE INJECTION (NO ACTIVITY #);  
Author: Cromwell, Robert, CONSOR Engineers, LLC  
Priority: Normal  
Date Created: 07.21.2022 07:26AM

---

Held By: Cromwell, Robert, CONSOR Engineers, LLC  
Status: 15.2d late  
Date Due: 07.19.2022  
Date Closed: 08.09.2022 10:31AM

**CC List:**

---

**Comments**

**Comment** By: Matt Kirkland, CONSOR Engineers, LLC  
08.09.2022 10:31AM **CC:**

Form closed and placed back in the author's court.

**Form Filled Out** By: Robert Cromwell, CONSOR Engineers, LLC  
07.21.2022 07:26AM **CC:**

Jul 19, 2022 at 2:35:52 PM  
Vero Beach







**IRC-0853\_SR60 & 43rd Avenue**

**ENG - IRC Inspector DWR : 1752**

<b>Subject:</b>	MOT & POLYURETHANE INJECTION (NO ACTIVITY #);		
<b>Author:</b>	Robert Cromwell	<b>Held By:</b>	Robert Cromwell
<b>Date Created:</b>	07.21.2022 07:49am	<b>Date Due:</b>	07.20.2022

---

**Date of report:** 07.20.2022

**DAY OF THE WEEK:** Wednesday

**CONTRACT DAY::** 878

**MATERIAL RECEIVED AT THE JOB SITE:** N/A

**CONTRACT QUANTITY INCREASES TODAY:** N/A

**Weather Conditions:** Clear

**Temperature:** 91H / 73L

**WIND::** None

**RAIN::** None

**RAIN DURATION::** 0-2 hrs.

**SOIL CONDITION::** Acceptable All Day

**SOIL CONDITION::** Dry

**Trades on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
 AWSO (SUB);  
 4-Skilled  
 URETEK (SUB);  
 5-Skilled

**Total Personnel Count:** 9

**Equipment on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
 ASWD (SUB);

- 1-Vac Truck
- 1-F550 Box Truck (Video Truck)
- Hand tools
- URETEK (SUB);
- 1-F250 4X4 Pickup Truck
- 1-F550 Flatbed Truck
- 1-Tractor Trailer
- 1-Generator
- 1-Fork Lift
- 2-Spray Guns
- Hand Tools

**Summary of Work:** TIMOTHY ROSE CONTRACTING (PRIME);  
 MOT (No ACTIVITY #);  
 1) Continue to set up and remove WB S.R.# 60 Left turn lane and EB S.R.# 60 Right turn with Road Closed on 39th Ave.  
 ASWD (SUB);  
 DESILTING & VIDEO (No ACTIVITY #);  
 1) Continue desilting with Vac truck prior to Videoing existing 54" RCP during Polyurethane Injection on RT (R3) roadway/sidewalk of S.R.# 60 @ S-7 to S-4 @ Station # 2656+25 - 2659+67 RT.  
 2) Continue videoing existing 54" RCP during Polyurethane injection operation for leaks and blow outs @ Station # 2657+83 - 2657+35 RT.  
 3) Had blow out @ S-5 which was cleaned out of pipe.  
 URETEK (SUB);  
 POLYURETHANE INJECTION (No Activity #);  
 1) Continue preparing and cutting 4', 8' & 12' rods for Polyurethane injection on RT (R3) roadway of S.R.# 60 @ GPR location #1 @ Station # 2658+51 - 2656+35 RT (216').  
 2) Begin drilling and installing for 4', 8' and 12' rods every 4' on center and on each side of existing 54" RCP starting at Station # 2657+83 - 2657+35 RT. (48')  
 3) Begin injecting Polyurethane to a depth of 4', 8' and 12' through rods and took meter readings after each required depth from Station # 2657+83 - 2657+35 RT for a total of 48' which took 4,286.9276 lbs. for a total to date of 8,284.7742 lbs.  
 4) Filled holes by drill in asphalt with non-shrink grout.

**Safety Issues:** N/A

**Other Observations:** N/A

**Jobsite Photo:** 7-20-22 Injecting Polyurethane (3).JPG

**Visitors/Company:** AT&T on site again after pressurizing duct bank with helium over night and did not sniff any leaks @ drilled holes.

**HOURS AT JOBSITE:** 7:00a.m. - 5:30p.m. (10.0Hrs.)

**Form Created** 07.21.2022 07:49am **To:** Matt Kirkland  
**CC:**

**Comment** **By:** Matt Kirkland

08.09.2022 10:31am      **CC:**

Form closed and placed back in the author's court.

Attached Files: ENG - IRC Inspector DWR #1752.doc



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IRC-0853\_SR60 & 43rd Avenue  
**ENG - IRC Inspector DWR:#1752**

Subject: MOT & POLYURETHANE INJECTION (NO ACTIVITY #);  
Author: Cromwell, Robert, CONSOR Engineers, LLC  
Priority: Normal  
Date Created: 07.21.2022 07:49AM

---

Held By: Cromwell, Robert, CONSOR Engineers, LLC  
Status: 14.2d late  
Date Due: 07.20.2022  
Date Closed: 08.09.2022 10:31AM

**CC List:**

---

**Comments**

**Comment** By: Matt Kirkland, CONSOR Engineers, LLC  
08.09.2022 10:31AM **CC:**

Form closed and placed back in the author's court.

**Form Filled Out** By: Robert Cromwell, CONSOR Engineers, LLC  
07.21.2022 07:49AM **CC:**

Jul 20, 2022 at 10:15:54 AM  
Vero Beach





**IRC-0853\_SR60 & 43rd Avenue**

**ENG - IRC Inspector DWR : 1753**

<b>Subject:</b>	MOT & POLYURETHANE INJECTION (NO ACTIVITY #);		
<b>Author:</b>	Robert Cromwell	<b>Held By:</b>	Robert Cromwell
<b>Date Created:</b>	07.22.2022 07:51am	<b>Date Due:</b>	07.21.2022

---

**Date of report:** 07.21.2022

**DAY OF THE WEEK:** Thursday

**CONTRACT DAY::** 879

**MATERIAL RECEIVED AT THE JOB SITE:** N/A

**CONTRACT QUANTITY INCREASES TODAY:** N/A

**Weather Conditions:** Clear

**Temperature:** 91H / 73L

**WIND::** None

**RAIN::** None

**RAIN DURATION::** 0-2 hrs.

**SOIL CONDITION::** Acceptable All Day

**SOIL CONDITION::** Dry

**Trades on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
 AWSO (SUB);  
 4-Skilled  
 URETEK (SUB);  
 5-Skilled

**Total Personnel Count:** 9

**Equipment on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
 ASWD (SUB);

- 1-Vac Truck
- 1-F550 Box Truck (Video Truck)
- Hand tools
- URETEK (SUB);
- 1-F250 4X4 Pickup Truck
- 1-F550 Flatbed Truck
- 1-Tractor Trailer
- 1-Generator
- 1-Fork Lift
- 1-Spray Gun
- Hand Tools

**Summary of Work:** TIMOTHY ROSE CONTRACTING (PRIME);  
 MOT (No ACTIVITY #);  
 1) Continue to set up and remove WB S.R.# 60 Left turn lane and EB S.R.# 60 Right turn with Road Closed on 39th Ave.  
 ASWD (SUB);  
 DESILTING & VIDEO (No ACTIVITY #);  
 1) Continue desilting with Vac truck prior to Videoing existing 54" RCP during Polyurethane Injection on RT (R3) roadway/sidewalk of S.R.# 60 @ S-7 to S-4 @ Station # 2656+25 - 2659+67 RT.  
 2) Continue videoing existing 54" RCP during Polyurethane injection operation for leaks and blow outs @ Station # 2657+03 - 2657+35 RT (32').  
 URETEK (SUB);  
 POLYURETHANE INJECTION (No Activity #);  
 1) Continue preparing and cutting 4', 8' & 12' rods for Polyurethane injection on RT (R3) roadway of S.R.# 60 @ GPR location #1 @ Station # 2658+51 - 2656+35 RT (216').  
 2) Begin drilling and installing for 4', 8' and 12' rods every 4' on center and on each side of existing 54" RCP starting at Station # 2657+03 - 2657+35 RT. (32')  
 3) Begin injecting Polyurethane to a depth of 4', 8' and 12' through rods and took meter readings after each required depth from Station # 2657+03 - 2657+35 RT for a total of 48' which took 3,138.3205 lbs. for a total to date of 11,423.094 lbs.  
 4) Filled holes by drill in asphalt with non-shrink grout.

**Safety Issues:** N/A

**Other Observations:** N/A

**Jobsite Photo:** 7-21-22 Polyurethane Injection (2).JPG

**Visitors/Company:** N/A

**HOURS AT JOBSITE:** 7:00a.m. - 4:30p.m. (9.0Hrs.)

**Form Created** 07.22.2022 07:51am **To:** Matt Kirkland  
**CC:**

**Comment** 08.09.2022 10:31am **By:** Matt Kirkland  
**CC:**

Form closed and placed back in the author's court.

Attached Files: ENG - IRC Inspector DWR #1753.doc





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IRC-0853\_SR60 & 43rd Avenue  
**ENG - IRC Inspector DWR:#1753**

Subject: MOT & POLYURETHANE INJECTION (NO ACTIVITY #);  
Author: Cromwell, Robert, CONSOR Engineers, LLC  
Priority: Normal  
Date Created: 07.22.2022 07:51AM

---

Held By: Cromwell, Robert, CONSOR Engineers, LLC  
Status: 13.2d late  
Date Due: 07.21.2022  
Date Closed: 08.09.2022 10:31AM

**CC List:**

---

**Comments**

**Comment** By: Matt Kirkland, CONSOR Engineers, LLC  
08.09.2022 10:31AM **CC:**

Form closed and placed back in the author's court.

**Form Filled Out** By: Robert Cromwell, CONSOR Engineers, LLC  
07.22.2022 07:51AM **CC:**

Jul 21, 2022 at 2:24:23 PM  
Vero Beach





**IRC-0853\_SR60 & 43rd Avenue**

**ENG - IRC Inspector DWR : 1754**

<b>Subject:</b>	MOT & POLYURETHANE INJECTION (NO ACTIVITY #);		
<b>Author:</b>	Robert Cromwell	<b>Held By:</b>	Robert Cromwell
<b>Date Created:</b>	07.27.2022 07:46am	<b>Date Due:</b>	07.22.2022

---

**Date of report:** 07.22.2022

**DAY OF THE WEEK:** Friday

**CONTRACT DAY::** 880

**MATERIAL RECEIVED AT THE JOB SITE:** N/A

**CONTRACT QUANTITY INCREASES TODAY:** N/A

**Weather Conditions:** Clear

**Temperature:** 91H / 75L

**WIND::** None

**RAIN::** None

**RAIN DURATION::** 0-2 hrs.

**SOIL CONDITION::** Acceptable All Day

**SOIL CONDITION::** Dry

**Trades on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
 AWSO (SUB);  
 4-Skilled  
 URETEK (SUB);  
 5-Skilled

**Total Personnel Count:** 9

**Equipment on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
 ASWD (SUB);

- 1-Vac Truck
- 1-F550 Box Truck (Video Truck)
- Hand tools
- URETEK (SUB);
- 1-F250 4X4 Pickup Truck
- 1-F550 Flatbed Truck
- 1-Tractor Trailer
- 1-Generator
- 1-Fork Lift
- 1-Spray Gun
- Hand Tools

**Summary of Work:** TIMOTHY ROSE CONTRACTING (PRIME);  
 MOT (No ACTIVITY #);  
 1) Continue to set up and remove WB S.R.# 60 Left turn lane and EB S.R.# 60 Right turn with Road Closed on 39th Ave.  
 ASWD (SUB);  
 DESILTING & VIDEO (No ACTIVITY #);  
 1) Continue desilting with Vac truck prior to Videoing existing 54" RCP during Polyurethane Injection on RT (R3) roadway/sidewalk of S.R.# 60 @ S-7 to S-4 @ Station # 2656+25 - 2659+67 RT.  
 2) Continue videoing existing 54" RCP during Polyurethane injection operation for leaks and blow outs @ Station # 2657+03 - 2657+35 RT (32').  
 URETEK (SUB);  
 POLYURETHANE INJECTION (No Activity #);  
 1) Continue preparing and cutting 4', 8' & 12' rods for Polyurethane injection on RT (R3) roadway of S.R.# 60 @ GPR location #1 @ Station # 2658+51 - 2656+35 RT (216').  
 2) Begin drilling and installing for 4', 8' and 12' rods every 4' on center and on each side of existing 54" RCP starting at Station # 2657+03 - 2657+35 RT. (32')  
 3) Begin injecting Polyurethane to a depth of 4', 8' and 12' through rods and took meter readings after each required depth from Station # 2657+03 - 2657+35 RT for a total of 68' which took 2,863.7778 lbs. for a total to date of 14,286.8720 lbs.  
 4) Filled holes by drill in asphalt with non-shrink grout.

**Safety Issues:** N/A

**Other Observations:** Chris w/Uretek got over heated before lunch and did not return to work after lunch.

**Jobsite Photo:** 7-22-22 Polyurethane Injection (2).JPG

**Visitors/Company:** N/A

**HOURS AT JOBSITE:** 7:00a.m. - 5:30p.m. (10.0Hrs.)

**Form Created** 07.27.2022 07:46am **To:** Matt Kirkland  
**CC:**

**Comment** 08.09.2022 10:30am **By:** Matt Kirkland  
**CC:**

Form closed and placed back in the author's court.

Attached Files: ENG - IRC Inspector DWR #1754.doc



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IRC-0853\_SR60 & 43rd Avenue  
**ENG - IRC Inspector DWR:#1754**

Subject: MOT & POLYURETHANE INJECTION (NO ACTIVITY #);  
Author: Cromwell, Robert, CONSOR Engineers, LLC  
Priority: Normal  
Date Created: 07.27.2022 07:46AM

---

Held By: Cromwell, Robert, CONSOR Engineers, LLC  
Status: 12.2d late  
Date Due: 07.22.2022  
Date Closed: 08.09.2022 10:30AM

**CC List:**

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**Comments**

**Comment** By: Matt Kirkland, CONSOR Engineers, LLC  
08.09.2022 10:30AM **CC:**

Form closed and placed back in the author's court.

**Form Filled Out** By: Robert Cromwell, CONSOR Engineers, LLC  
07.27.2022 07:46AM **CC:**

Jul 22, 2022 at 10:59:32 AM  
Vero Beach





**IRC-0853\_SR60 & 43rd Avenue**

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**ENG - IRC Inspector DWR : 1756**

**Subject:** MOT & POLYURETHANE INJECTION (NO ACTIVITY #);  
**Author:** Robert Cromwell **Held By:** Robert Cromwell  
**Date Created:** 07.27.2022 08:02am **Date Due:** 07.23.2022

---

**Date of report:** 07.23.2022  
**DAY OF THE WEEK:** Saturday  
**CONTRACT DAY::** 881  
**MATERIAL RECEIVED AT THE JOB SITE:** N/A  
**CONTRACT QUANTITY INCREASES TODAY:** N/A  
**Weather Conditions:** Clear  
**Temperature:** 90H / 75L  
**WIND::** None  
**RAIN::** None  
**RAIN DURATION::** 0-2 hrs.  
**SOIL CONDITION::** Acceptable All Day  
**SOIL CONDITION::** Dry  
**Trades on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
AWSD (SUB);  
2-Skilled  
URETEK (SUB);  
3-Skilled  
**Total Personnel Count:** 5  
**Equipment on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
ASWD (SUB);



- 1-Vac Truck
- 1-F550 Box Truck (Video Truck)
- Hand tools
- URETEK (SUB);
- 1-F250 4X4 Pickup Truck
- 1-F550 Flatbed Truck
- 1-Tractor Trailer
- 1-Generator
- 1-Fork Lift
- 1-Spray Gun
- Hand Tools

**Summary of Work:** TIMOTHY ROSE CONTRACTING (PRIME);  
 MOT (No ACTIVITY #);  
 1) Continue to set up and remove WB S.R.# 60 Left turn lane and EB S.R.# 60 Right turn with Road Closed on 39th Ave.  
 ASWD (SUB);  
 DESILTING & VIDEO (No ACTIVITY #);  
 1) Continue desilting with Vac truck prior to Videoing existing 54" RCP during Polyurethane Injection on RT (R3) roadway/sidewalk of S.R.# 60 @ S-7 to S-4 @ Station # 2656+25 - 2659+67 RT.  
 2) Continue videoing existing 54" RCP during Polyurethane injection operation for leaks and blow outs @ Station # 2657+03 - 2657+35 RT (32').  
 URETEK (SUB);  
 POLYURETHANE INJECTION (No Activity #);  
 1) Continue preparing and cutting 4', 8' & 12' rods for Polyurethane injection on RT (R3) roadway of S.R.# 60 @ GPR location #1 @ Station # 2656+35 - 2658+51 RT (216').  
 2) Begin drilling and installing for 4', 8' and 12' rods every 4' on center and on each side of existing 54" RCP starting at Station # 2657+03 - 2657+35 RT. (32')  
 3) Begin injecting Polyurethane to a depth of 4', 8' and 12' through rods and took meter readings after each required depth from Station # 2657+03 - 2657+35 RT for a total of 68' which took 2,125.2979 lbs. for a total to date of 16,412.169 lbs.  
 4) Completed this GPR location @ Station # 2656+35 - 2658+51 (216' for a total of 381 Injections).

**Safety Issues:** N/A

**Other Observations:** Chris w/Uretek still not back at work.

**Jobsite Photo:** 7-23-22 Polyurethane Injection (4).JPG

**Visitors/Company:** N/A

**HOURS AT JOBSITE:** 7:00a.m. - 3:30p.m. (8.0Hrs.)

**Form Created** 07.27.2022 08:02am **To:** Matt Kirkland  
**CC:**

**Comment** 08.09.2022 10:30am **By:** Matt Kirkland  
**CC:**

Form closed and placed back in the author's court.

Attached Files: ENG - IRC Inspector DWR #1756.doc



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IRC-0853\_SR60 & 43rd Avenue  
**ENG - IRC Inspector DWR:#1756**

Subject: MOT & POLYURETHANE INJECTION (NO ACTIVITY #);  
Author: Cromwell, Robert, CONSOR Engineers, LLC  
Priority: Normal  
Date Created: 07.27.2022 08:02AM

---

Held By: Cromwell, Robert, CONSOR Engineers, LLC  
Status: 11.2d late  
Date Due: 07.23.2022  
Date Closed: 08.09.2022 10:30AM

**CC List:**

---

**Comments**

**Comment** By: Matt Kirkland, CONSOR Engineers, LLC  
08.09.2022 10:30AM **CC:**

Form closed and placed back in the author's court.

**Form Filled Out** By: Robert Cromwell, CONSOR Engineers, LLC  
07.27.2022 08:02AM **CC:**

Jul 23, 2022 at 10:06:47 AM  
Vero Beach





**IRC-0853\_SR60 & 43rd Avenue**

**ENG - IRC Inspector DWR : 1757**

<b>Subject:</b>	MOT & POLYURETHANE INJECTION (NO ACTIVITY #);		
<b>Author:</b>	Robert Cromwell	<b>Held By:</b>	Robert Cromwell
<b>Date Created:</b>	07.27.2022 03:10pm	<b>Date Due:</b>	07.25.2022

---

**Date of report:** 07.25.2022

**DAY OF THE WEEK:** Monday

**CONTRACT DAY::** 883

**MATERIAL RECEIVED AT THE JOB SITE:** N/A

**CONTRACT QUANTITY INCREASES TODAY:** N/A

**Weather Conditions:** Clear

**Temperature:** 90H / 79L

**WIND::** None

**RAIN::** None

**RAIN DURATION::** 0-2 hrs.

**SOIL CONDITION::** Acceptable All Day

**SOIL CONDITION::** Dry

**Trades on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
AWSD (SUB);  
2-Skilled  
URETEK (SUB);  
3-Skilled

**Total Personnel Count:** 5

**Equipment on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
ASWD (SUB);

- 1-Vac Truck
- 1-F550 Box Truck (Video Truck)
- Hand tools
- URETEK (SUB);
- 1-F250 4X4 Pickup Truck
- 1-Tractor Trailer
- 1-Trailer
- 1-Generator
- 1-Fork Lift
- 2-Spray Guns
- Hand Tools

**Summary of Work:** TIMOTHY ROSE CONTRACTING (PRIME);  
 MOT (No ACTIVITY #);  
 1) Continue to set up and remove MOT lane closure on Eastbound S.R.# 60, between 41st & 40th Ave.  
 ASWD (SUB);  
 DESILTING & VIDEO (No ACTIVITY #);  
 1) Continue desilting with Vac truck prior to Videoing existing 54" RCP during Polyurethane Injection on RT (R3) roadway/sidewalk of S.R.# 60 @ S-10 to S-8 @ Station # 2652+07 - 2652+74 RT (67').  
 2) Continue videoing existing 54" RCP during Polyurethane injection operation for leaks and blow outs @ Station # 2652+07 - 2652+74 RT (67').  
 URETEK (SUB);  
 POLYURETHANE INJECTION (No Activity #);  
 1) Continue preparing and cutting 4', 8',12 & 16' rods for Polyurethane injection on RT (R3) roadway of S.R.# 60 @ GPR location #2 @ Station # 2652+07 - 2652+74 RT (67').  
 2) Begin drilling and installing for 4', 8',12 and 16' rods every 4' on center and on each side of existing 54" RCP starting at Station # 2652+74 - 2652+25 RT. (49')  
 3) Begin injecting Polyurethane to a depth of 4', 8',12 and 16' through rods and took meter readings after each required depth from Station # 2652+74 - 2652+25 RT for a total of 49' which took 2,999.6482 lbs. for a total to date of 19,411.817 lbs.  
 4) Filled holes left by drill in asphalt with non-shrink grout.

**Safety Issues:** N/A

**Other Observations:** Could not drill and inject polyurethane @ Station # 2652+45, 53' RT, due to Structure S-9.

**Jobsite Photo:** 7-25-22 Polyurethane Installation (2).JPG

**Visitors/Company:** N/A

**HOURS AT JOBSITE:** 7:00a.m. - 4:00p.m. (8.5Hrs.)

**Form Created** 07.27.2022 03:10pm **To:** Matt Kirkland  
**CC:**

**Comment** 08.09.2022 10:29am **By:** Matt Kirkland  
**CC:**

Form closed and placed back in the author's court.

Attached Files: ENG - IRC Inspector DWR #1757.doc



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IRC-0853\_SR60 & 43rd Avenue  
**ENG - IRC Inspector DWR:#1757**

Subject: MOT & POLYURETHANE INJECTION (NO ACTIVITY #);  
Author: Cromwell, Robert, CONSOR Engineers, LLC  
Priority: Normal  
Date Created: 07.27.2022 03:10PM

---

Held By: Cromwell, Robert, CONSOR Engineers, LLC  
Status: 11.2d late  
Date Due: 07.25.2022  
Date Closed: 08.09.2022 10:29AM

**CC List:**

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**Comments**

**Comment** By: Matt Kirkland, CONSOR Engineers, LLC  
08.09.2022 10:29AM **CC:**

Form closed and placed back in the author's court.

**Form Filled Out** By: Robert Cromwell, CONSOR Engineers, LLC  
07.27.2022 03:10PM **CC:**



Jul 25, 2022 at 1:54:08 PM  
Vero Beach





**IRC-0853\_SR60 & 43rd Avenue**

**ENG - IRC Inspector DWR : 1758**

<b>Subject:</b>	MOT & POLYURETHANE INJECTION (NO ACTIVITY #);		
<b>Author:</b>	Robert Cromwell	<b>Held By:</b>	Robert Cromwell
<b>Date Created:</b>	07.27.2022 03:21pm	<b>Date Due:</b>	07.26.2022

---

**Date of report:** 07.26.2022

**DAY OF THE WEEK:** Tuesday

**CONTRACT DAY::** 884

**MATERIAL RECEIVED AT THE JOB SITE:** N/A

**CONTRACT QUANTITY INCREASES TODAY:** N/A

**Weather Conditions:** Overcast,Rain

**Temperature:** 90H / 75L

**WIND::** Slight

**RAIN::** Light,Shower

**RAIN DURATION::** 0-2 hrs.

**SOIL CONDITION::** Acceptable All Day

**SOIL CONDITION::** Dry

**Trades on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
AWSD (SUB);  
2-Skilled  
URETEK (SUB);  
3-Skilled

**Total Personnel Count:** 5

**Equipment on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
ASWD (SUB);

- 1-Vac Truck
- 1-F550 Box Truck (Video Truck)
- Hand tools
- URETEK (SUB);
- 1-F250 4X4 Pickup Truck
- 1-Tractor Trailer
- 1-Trailer
- 1-Generator
- 1-Fork Lift
- 2-Spray Guns
- Hand Tools

**Summary of Work:** TIMOTHY ROSE CONTRACTING (PRIME);  
 MOT (No ACTIVITY #);  
 1) Continue to set up and remove MOT lane closure on Eastbound S.R.# 60, between 41st & 40th Ave.  
 ASWD (SUB);  
 DESILTING & VIDEO (No ACTIVITY #);  
 1) Continue desilting with Vac truck prior to Videoing existing 54" RCP during Polyurethane Injection on RT (R3) roadway/sidewalk of S.R.# 60 @ S-10 to S-8 @ Station # 2652+07 - 2652+74 RT (67').  
 2) Continue videoing existing 54" RCP during Polyurethane injection operation for leaks and blow outs @ Station # 2652+07 - 2652+74 RT (67').  
 URETEK (SUB);  
 POLYURETHANE INJECTION (No Activity #);  
 1) Continue preparing and cutting 4', 8',12 & 16' rods for Polyurethane injection on RT (R3) roadway of S.R.# 60 @ GPR location #2 @ Station # 2652+07 - 2652+74 RT (67').  
 2) Begin drilling and installing for 4', 8',12 and 16' rods every 4' on center and on each side of existing 54" RCP starting at Station # 2652+07 - 2652+74 RT (67') in RT sidewalk.  
 3) Begin injecting Polyurethane to a depth of 4', 8',12 and 16' through rods and took meter readings after each required depth from Station # 2652+07 - 2652+74 RT for a total of 67' which took 3,465.9057 lbs. for a total to date of 22,877.7220 lbs.

**Safety Issues:** N/A

**Other Observations:** Could not drill and inject polyurethane @ Station # 2652+45, 53' RT, due to concrete collar beneath sidewalk.

**Jobsite Photo:** 7-26-22 Rod Installation (2).JPG

**Visitors/Company:** N/A

**HOURS AT JOBSITE:** 7:00a.m. - 3:30p.m. (8.0Hrs.)

**Form Created** 07.27.2022 03:21pm **To:** Matt Kirkland  
**CC:**

**Comment** 08.09.2022 10:29am **By:** Matt Kirkland  
**CC:**

Form closed and placed back in the author's court.

Attached Files: ENG - IRC Inspector DWR #1758.doc



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IRC-0853\_SR60 & 43rd Avenue  
**ENG - IRC Inspector DWR:#1758**

Subject: MOT & POLYURETHANE INJECTION (NO ACTIVITY #);  
Author: Cromwell, Robert, CONSOR Engineers, LLC  
Priority: Normal  
Date Created: 07.27.2022 03:21PM

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Held By: Cromwell, Robert, CONSOR Engineers, LLC  
Status: 10.2d late  
Date Due: 07.26.2022  
Date Closed: 08.09.2022 10:29AM

**CC List:**

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**Comments**

**Comment** By: Matt Kirkland, CONSOR Engineers, LLC  
08.09.2022 10:29AM **CC:**

Form closed and placed back in the author's court.

**Form Filled Out** By: Robert Cromwell, CONSOR Engineers, LLC  
07.27.2022 03:21PM **CC:**

Jul 26, 2022 at 9:20:56 AM  
Vero Beach





**IRC-0853\_SR60 & 43rd Avenue**

**ENG - IRC Inspector DWR : 1759**

<b>Subject:</b>	MOT & POLYURETHANE INJECTION (NO ACTIVITY #);		
<b>Author:</b>	Robert Cromwell	<b>Held By:</b>	Robert Cromwell
<b>Date Created:</b>	07.27.2022 03:29pm	<b>Date Due:</b>	07.27.2022

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**Date of report:** 07.27.2022

**DAY OF THE WEEK:** Wednesday

**CONTRACT DAY::** 885

**MATERIAL RECEIVED AT THE JOB SITE:** N/A

**CONTRACT QUANTITY INCREASES TODAY:** N/A

**Weather Conditions:** Clear

**Temperature:** 90H / 73L

**WIND::** None

**RAIN::** None

**RAIN DURATION::** 0-2 hrs.

**SOIL CONDITION::** Acceptable All Day

**SOIL CONDITION::** Dry

**Trades on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
AWSD (SUB);  
2-Skilled  
URETEK (SUB);  
4-Skilled

**Total Personnel Count:** 6

**Equipment on site:** TIMOTHY ROSE CONTRACTING (PRIME);  
ASWD (SUB);

- 1-Vac Truck
- 1-F550 Box Truck (Video Truck)
- Hand tools
- URETEK (SUB);
- 1-F250 4X4 Pickup Truck
- 1-Tractor Trailer
- 1-Trailer
- 1-Generator
- 1-Fork Lift
- 2-Spray Guns
- Hand Tools

**Summary of Work:** TIMOTHY ROSE CONTRACTING (PRIME);  
 MOT (No ACTIVITY #);  
 1) Continue to set up and remove MOT lane closure on Eastbound S.R.# 60, between 41st & 40th Ave.  
 ASWD (SUB);  
 DESILTING & VIDEO (No ACTIVITY #);  
 1) Continue desilting with Vac truck prior to Videoing existing 54" RCP during Polyurethane Injection on RT (R3) roadway/sidewalk of S.R.# 60 @ S-10 to S-8 @ Station # 2652+07 - 2652+74 RT (67').  
 2) Continue videoing existing 54" RCP during Polyurethane injection operation for leaks and blow outs @ Station # 2652+07 - 2652+25 RT (18').  
 URETEK (SUB);  
 POLYURETHANE INJECTION (No Activity #);  
 1) Continue preparing and cutting 4', 8',12 & 16' rods for Polyurethane injection on RT (R3) roadway of S.R.# 60 @ GPR location #2 @ Station # 2652+07 - 2652+25 RT (18').  
 2) Begin drilling and installing for 4', 8',12 and 16' rods every 4' on center and on north side of existing 54" RCP starting at Station # 2652+07 - 2652+25 RT (18').  
 3) Begin injecting Polyurethane to a depth of 4', 8',12 and 16' through rods and took meter readings after each required depth from Station # 2652+07 - 2652+25 RT for a total of 18' which took 1,292.7303 lbs. for a total to date of 24,170.45 lbs.  
 4) Filled holes left by drill in sidewalk and asphalt with non-shrink grout.  
 5) Finished and completed Polyurethane Injection today with a recorded total to date of 24,170.45 lbs.

**Safety Issues:** N/A

**Other Observations:** N/A

**Jobsite Photo:** 7-27-22 Polyurethane Injection.JPG

**Visitors/Company:** N/A

**HOURS AT JOBSITE:** 7:00a.m. - 3:30p.m. (8.0Hrs.)

**Form Created** 07.27.2022 03:29pm **To:** Matt Kirkland  
**CC:**

**Comment** **By:** Matt Kirkland



08.09.2022 10:28am      **CC:**

Form closed and placed back in the author's court.

Attached Files: ENG - IRC Inspector DWR #1759.doc



---

IRC-0853\_SR60 & 43rd Avenue  
**ENG - IRC Inspector DWR:#1759**

Subject: MOT & POLYURETHANE INJECTION (NO ACTIVITY #);  
Author: Cromwell, Robert, CONSOR Engineers, LLC  
Priority: Normal  
Date Created: 07.27.2022 03:29PM

---

Held By: Cromwell, Robert, CONSOR Engineers, LLC  
Status: 9.2d late  
Date Due: 07.27.2022  
Date Closed: 08.09.2022 10:28AM

**CC List:**

---

**Comments**

**Comment** By: Matt Kirkland, CONSOR Engineers, LLC  
08.09.2022 10:28AM **CC:**

Form closed and placed back in the author's court.

**Form Filled Out** By: Robert Cromwell, CONSOR Engineers, LLC  
07.27.2022 03:29PM **CC:**

Jul 27, 2022 at 10:15:00 AM  
Vero Beach



**From:** [Zach Rose](#)  
**To:** [William R. Adams, III](#); [Matthew Kirkland](#)  
**Cc:** [Tim Rose](#); [staci -TRC](#)  
**Subject:** UPDATED COST CLAIM POLYURETHANE INJECTION WCD  
**Date:** Thursday, August 25, 2022 9:23:34 AM  
**Attachments:** [UPDATED COST CLAIM POLYURETHANE INJECTION WCD SR 60 43RD AVE IMPROVEMENTS.pdf](#)

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Bill,  
See attached.

--

Thank you,

\*Zach Rose\*  
Vice President  
Timothy Rose Contracting, Inc.  
825 8th Street  
Vero Beach, FL 32962  
O - 772-564-7800  
C - 772-473-7953  
[zach@timothyrosecontracting.com](mailto:zach@timothyrosecontracting.com)  
[www.timothyrosecontracting.com](http://www.timothyrosecontracting.com)

\*WE HAVE MOVED. PLEASE NOTE OUR NEW ADDRESS.\*  
\*825 8TH ST. VERO BEACH, FL 32962\*

**Timothy Rose Contracting**  
1360 Old Dixie Hwy Sw  
Vero Beach, FL 32962

(772) 564-7800



<b>To:</b> Indian River County	<b>Contact:</b>
<b>Address:</b> Vero Beach, FL	<b>Phone:</b>
	<b>Fax:</b>
<b>Project Name:</b> POLYURETHANE INJECTION OF TRUNK LINE VOIDS AND DELAY CLAIM	<b>Bid Number:</b>
<b>Project Location:</b>	<b>Bid Date:</b>

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
100	MOBILIZATION (URETEK)	1.00	LS	\$5,250.00	\$5,250.00
150	REMOBILIZATION (TRC) *	1.00	LS	\$6,256.19	\$6,256.19
175	MAINTENANCE OF TRAFFIC *	9.00	DY	\$1,490.82	\$13,417.38
200	POLYURETHANE INJECTION *	24,170.45	LB	\$7.61	\$183,937.12
300	VAC TRUCK (DURING CONSTRUCTION) *	9.00	DY	\$2,508.64	\$22,577.76
350	CCTV TRUCK (DURING CONSTRUCTION) *	9.00	DY	\$1,658.97	\$14,930.73
400	CLAIM OF TOTAL DAYS DELAYED FROM TRUNK LINE (FDOT SECTION 4-3.2.1) *	91.00	DY	\$1,515.73	\$137,931.43
405	MAINTENANCE OF TRAFFIC CLAIM DUE TO TRUNK LINE DELAYS *	91.00	DY	\$396.67	\$36,096.97
500	ADDITIONAL BONDING *	1.00	LS	\$9,122.34	\$9,122.34
505	EROSION CONTROL	87.00	DY	\$38.89	\$3,383.43
<b>Total Bid Price:</b>					<b><u><u>\$432,903.35</u></u></b>

**Notes:**

- 1. 150 \* TIMOTHY ROSE CONTRACTING DEMOBILIZED IT'S HEAVY EQUIPMENT FROM THE PROJECT TO AVOID ADDITIONAL COST OF THE EQUIPMENT SITTING. THIS COST IS TO BRING ALL EQUIPMENT BACK NEEDED TO COMPLETE THE JOB PRIOR TO THE DISCOVERY OF THE TRUNK LINE FAILING.
- 2. 175 \* TIMOTHY ROSE CONTRACTING IS TO PROVIDE URETEK WITH MAINTENANCE OF TRAFFIC THAT WAS NOT IN THE ORIGINAL CONTRACT. THIS IS QUANTIFIED AT 14 CALENDAR DAYS, WHICH IS THE DURATION IT WILL TAKE URETEK TO PERFORM THEIR WORK.
- 3. 200 \* URETEK'S PROPOSAL IS IN UNIT PRICE FORMAT. IT IS ESTIMATED URETEK WILL USE 28,000 LBS OF POLYURETHANE AND TAKE 14 CALENDAR DAYS TO COMPLETE THIS WORK. ANY OVERRUNS OF MATERIAL AND/OR THE ESTIMATED (14) CALENDAR DAYS WILL INCUR ADDITIONAL COST NOT INCLUDED IN THIS PROPOSAL. SEE URETEK'S PROPOSAL FOR ADDITIONAL INFORMATION.
- 4. 400 \* THIS NUMBER WAS DERIVED FROM THE FDOT SPECIFICATION 4-3.2.1 AND WAS CALCULATED USING THE FOLLOWING DATES. ON APRIL 25TH 2022, A LETTER WAS SENT FROM OUR COUNSEL AT WHITEBIRD, PLLC NOTIFYING INDIAN RIVER COUNTY AND THE FDOT OF THE DRAINAGE TRUNK LINE ISSUES. URETEK PLANS ON STARTING THE WORK JUNE 27TH 2022 AND COMPLETING IT JULY 18TH 2022. THIS BRINGS THE TOTAL DELAYS TO 85 CALENDAR DAYS.
- 5. 405 \* SIMILAR TO BID ITEM 400 WITH THE SAME FORMULA BEING USED. TIMOTHY ROSE CONTRACTING INCURRED UNFORESEEN MAINTENANCE OF TRAFFIC COST THAT GO BEYOND THE ORIGINAL CONTRACT DURATION OF 720 CALENDAR DAYS.
- 6. 500 \* ADDITIONAL BONDING COST
- 7. 300 \* AND 400 \* ACCORDING TO FDOT'S SPECIFICATION 173-5.1

Proposed plan to monitor inside subsurface drainage structures during injection and to prevent excessive polyurethane migration into any existing drainage structures.

THIS SPECIFICATION WILL BE MET BY THE USE OF A CCTV TRUCK TO MONITOR ANY DEBRIS THAT MAY ENTER THE PIPE AND/OR STRCUTURES AND BE RETREIVED BY THE USE OF A VAC TRUCK. THIS METHOD IS TYPICAL AND REQUESTED BY EURETEK.

- 8. 375 \* ACCORDING TO FDOT'S SPECIFICATION 173-5.13

Storm Drains: For lifting, sealing and filling of voids around storm drains including pipe, manholes and other built structures, submit a plan of action to the Engineer for approval. Prior to performing work, evaluate the integrity of the pipe and storm drain system through inspection, either visual or by remote camera, to determine the correct placement of polyurethane. Perform post installation evaluation of the work by similar means. Ensure that any injected material entering the storm drain system during the installation work is removed and disposed of accordingly.

THE FIRST SENTENCE OF THIS SPECIFICATION HAS BEEN MET WHEN TRC CLEANED AND CCTV'd THE ENTIRE TRUNK LINE AS REQUESTED BY FDOT'S MAINTENANCE CONTRACTOR. THE VIDEOS AND CORRESPONDING WRITTEN REPORTS WERE FORWARDED TO THE APPROPRIATE PARTIES VIA CERTIFIED MAIL. THE ADDITIONAL CLEANING AND CCTV WORK IS TO MEET THE SECOND SENTENCE OF THIS SPECIFICATION, WHICH REQUIRES A POST EVALUATION OF THE WORK BY SIMILAR MEANS i.e. VAC AND CCTV TRUCK.

<p><b>ACCEPTED:</b> The above prices, specifications and conditions are satisfactory and hereby accepted.</p> <p><b>Buyer:</b> _____</p> <p><b>Signature:</b> _____</p> <p><b>Date of Acceptance:</b> _____</p>	<p><b>CONFIRMED:</b> <b>Timothy Rose Contracting</b></p> <p><b>Authorized Signature:</b> _____</p> <p><b>Estimator:</b> _____</p>
---	---

**From:** [Matthew Kirkland](#)  
**To:** [William R. Adams, III](#)  
**Subject:** FW: FW: Vac Truck SR 60  
**Date:** Tuesday, August 2, 2022 5:38:17 PM

---

**Matthew Kirkland, EI**  
Assistant Project Administrator

---

**From:** Zach Rose <[zach@timothyrosecontracting.com](mailto:zach@timothyrosecontracting.com)>  
**Sent:** Tuesday, August 2, 2022 2:24 PM  
**To:** Matthew Kirkland <[mkirkland@consoreng.com](mailto:mkirkland@consoreng.com)>  
**Subject:** Fwd: FW: Vac Truck SR 60

----- Forwarded message -----

From: **Kirstin Leiendecker** <[kleiendecker@ircgov.com](mailto:kleiendecker@ircgov.com)>  
Date: Tue, Aug 2, 2022 at 2:14 PM  
Subject: FW: Vac Truck SR 60  
To: Zach Rose <[zach@timothyrosecontracting.com](mailto:zach@timothyrosecontracting.com)>

Please see below.

---

**From:** Rich Szpyrka  
**Sent:** Friday, June 24, 2022 3:49 PM  
**To:** Zach Rose <[zach@timothyrosecontracting.com](mailto:zach@timothyrosecontracting.com)>  
**Cc:** Kirstin Leiendecker <[kleiendecker@ircgov.com](mailto:kleiendecker@ircgov.com)>; James Ennis <[jennis@ircgov.com](mailto:jennis@ircgov.com)>  
**Subject:** RE: Vac Truck SR 60

Agreed. We will moved it forward.

Richard B. Szpyrka, P.E.  
Public Works Director  
[Indian River County](#)  
1801 27<sup>th</sup> Street Vero Beach, FL 32960  
(772) 226-1234  
Email: [rszpyrka@ircgov.com](mailto:rszpyrka@ircgov.com)

----- Original message -----

From: Zach Rose <[zach@timothyrosecontracting.com](mailto:zach@timothyrosecontracting.com)>  
Date: 6/24/22 9:14 AM (GMT-05:00)  
To: Rich Szpyrka <[rszpyrka@ircgov.com](mailto:rszpyrka@ircgov.com)>  
Cc: Kirstin Leiendecker <[kleiendecker@ircgov.com](mailto:kleiendecker@ircgov.com)>, James Ennis <[jennis@ircgov.com](mailto:jennis@ircgov.com)>

Subject: Vac Truck SR 60

CAUTION: This message is from an external source. Please use caution when opening attachments or clicking links.

Rich,

In order to adhere to the FDOT's specification 173-5.1 and 173-5.13 TRC will keep a Vac truck on site for 7 days at a daily rate of \$2,508.64.

Thank you,

*Zach Rose*

Vice President

Timothy Rose Contracting, Inc.

825 8th Street

Vero Beach, FL 32962

O - 772-564-7800

C - 772-473-7953

[zach@timothyrosecontracting.com](mailto:zach@timothyrosecontracting.com)

[www.timothyrosecontracting.com](http://www.timothyrosecontracting.com)

**WE HAVE MOVED. PLEASE NOTE OUR NEW ADDRESS.  
825 8TH ST. VERO BEACH, FL 32962**

--

Zach Rose



**SHALLOW SUBSURFACE POLYURETHANE INJECTION.  
(REV 2-13-19)**

The following new Section is added after Section 162:

**SECTION 173  
SHALLOW SUBSURFACE POLYURETHANE INJECTION**

**173-1 General.**

Furnish and inject polyurethane grout to fill voids, seal drainage structures, seal nonstructural wall openings, lift roadway panels, lift approach slabs, and correct pavement alignment issues at the locations shown in the Plans or as directed by the Engineer. Furnish all labor, equipment and materials required to inject expansive one or two-part polyurethane.

Work may be performed at night or on weekends as deemed necessary by the Department.

Review the available subsurface information and visit the site to assess the severity of issue to be corrected, the site geometry, equipment access conditions, and location of existing structures and above ground facilities. Any damage resulting from the injection operation is the sole responsibility of the contractor.

Field locate and verify the location of all utilities in the vicinity of the project site prior to starting the work. Maintain uninterrupted service for all existing utilities throughout the work

**173-2 Personnel Requirements.**

The on-site superintendent supervising the work described in this Section must have at least three years of verifiable experience in polyurethane injection. Provide documentation of each project successfully completed, listing the project name and location, name of contracting party with current contact number, a brief description of the work, and dates of completion.

Prior to the start of the work, submit the Contractor and superintendent qualifications to the Engineer for approval.

**173-3 Materials.**

**173-3.1 One Component Polyurethane:** Use a one component high density polyurethane grout, meeting the following requirements, that upon injection reacts with moisture for rapid expansion and curing to create a watertight mass.

**173-3.1.1 Viscosity:** The material must have a viscosity of 110 to 130 centipoise (cP) at 20°C to 25°C.

**173-3.1.2 Compressive and Tensile Strength:** The material must have a minimum cured compressive strength of 600 psi in accordance with ASTM C39 (with fine sand and without conditioning), a minimum cured tensile strength of 40 psi in accordance with ASTM D1623 or ASTM D3574, and no shrinkage in accordance with ASTM D1042 or ASTM D756.

**173-3.1.3 Cure Time:** The material must achieve a minimum compressive strength of 400 psi within 30 minutes. If work is performed within the travel lane, traffic must be safely restored within 30 minutes after the last injection of material.

**173-3.1.4 Performance in Water:** Ensure the cured material is not affected by the presence of excess water.

**173-3.1.5 Certification:** Submit a manufacturer's certification that the material meets the requirements of this Developmental Specification to the Engineer.

**173-3.1.6 Alternate Formulations:** Certain situations may necessitate the use of polyurethane formulations that provide physical characteristics exceeding the requirements above. Submit the manufacturer's certification for the alternate formulation to the Engineer for approval.

**173-3.2 Two Component Polyurethane:** Use a two component closed cell, hydro-insensitive, high density polyurethane system that upon injection results in rapid expansion and curing.

**173-3.2.1 Apparent Density:** The material must have an apparent overall density of 4.7 pounds per cubic foot to 6.5 pounds per cubic foot, tested in accordance with ASTM D1622 (without conditioning).

**173-3.2.2 Compressive Strength:** The material must have a minimum cured compressive strength of 75 psi tested in accordance ASTM D1621 (without conditioning).

**173-3.2.3 Cure Time:** The material must achieve a minimum compressive strength of 60 psi within 30 minutes. Traffic, if work is performed within the travel lane, must be safely restored within 30 minutes after the last injection of material.

**173-3.2.4 Performance in Water:** Ensure the injected material is not affected by the presence of excess water.

**173-3.2.5 Certification:** Submit a manufacturer's certification that the material meets the requirements of this Developmental Specification to the Engineer.

**173-3.2.6 Alternate Formulations:** Certain situations may necessitate the use of polyurethane formulations that provide physical characteristics exceeding the requirements above. Submit the manufacturer's certification for the alternate formulation to the Engineer for approval.

#### **173-4 Equipment.**

Provide mobile injection equipment, including, but not limited to, a pumping unit capable of injecting material to the locations and depths required with electric generating capabilities necessary to support the injection operations. The equipment must be capable of controlling the rate of flow of material to achieve the desired results while minimizing blowback and blowouts. Use equipment with a certified flow meter or volumetric measurement device having a visual readout to measure the amount of material injected at each location. Provide a certification for the metering device to the Engineer.

Use equipment with pressure and temperature control devices capable of maintaining proper temperature and proportionate mixing of the polyurethane materials. Ensure the equipment properly mixes two component materials when two component polyurethane materials are injected.

Use drilling equipment capable of drilling the required diameter injection holes through concrete, pavement or other masonry materials as shown in the Plans without damaging the integrity of the existing structure.

Use laser levels and target readers, zip levels and other measuring devices capable of monitoring movement at the surface of the pavement or structure to verify that the necessary void filling and improvement has occurred without adversely affecting the existing profile.

Provide all necessary equipment such as light towers, electric generators, compressors, heaters, hoses, containers, valves and gauges to efficiently conduct and control the work.

**173-5 Construction Requirements.**

**173-5.1 Pre-Construction Submittals:** Upon approval of the Contractor's qualifications, submit the following information to the Engineer for review and approval prior to performing any work:

1. The proposed start date and duration of the project sequence.
2. The type and size of all equipment to be used. Describe the methods to be used to achieve the requirements of this Specification.
3. The materials to be used and anticipated injection rate.
4. A description of construction methods to be used for site preparation, including the methods for measurement concerning slab lifting requirements, clearing of debris and a pre-construction survey documenting existing cracks/damage to concrete curb and gutters or adjacent structures.
5. A description of construction methods to be used to perform the injection of the polyurethane with a detailed sequence of injection operations.
6. Manufacturer's technical data sheet verifying that the polyurethane materials meet all requirements this Specification, including the densities (in pounds per gallon) of each individual component (resin and activator) of any two part polyurethane materials.
7. Certification for the metering device or the Contractor's plan for measuring the material.
8. Proposed plan to monitor inside subsurface drainage structures during injection and to prevent excessive polyurethane migration into any existing drainage structures.

**173-5.2 Pavement Profile:** Prepare a pavement and structure profile from laser level measurements of each area to document pre-existing conditions to ensure movement does not exceed 1/16 inch of the final planned elevation during the injection operations. Prior to beginning any work, submit a report documenting this inspection and the recorded elevations to the Engineer for approval. Include photographs of the area documenting the location and length of existing cracks. Prior approval of this report will not be required for emergency response work.

**173-5.3 Quality Control:** For polyurethane solutions which require mixing or blending of multiple components, perform a daily quality check in the presence of the Engineer, using the flow meters and/or measurement devices, on the ratio of the parts provided by the injection system. Perform a test shot of material from one component source at a time with a minimum of 5 gallons of each material, comparing the output in gallons of resin to the gallons of activator, if applicable (resin material only for one component foam system). Determine the injection ratio for two component systems. If this ratio differs from the approved solution ratio used at the test point locations, check the system for problems, make any necessary adjustments until a proper ratio is achieved. Following these checks and adjustments, and prior to performing the work each day, reset the measurement devices on the pumping units to zero.

The Engineer reserves the right to perform compressive strength testing on polyurethane samples.

**173-5.4 Testing.**

**173-5.4.1 Pre-Production:** When pre-production test injection points are shown in the Plans, complete a pre-production polyurethane injection performance testing program. Prior to the injection at production point locations indicated in the Plans, determine the rate and

amount to be injected to obtain the required improvement. Assess the cure rate for the proposed process by the initial completion of pre-production polyurethane injection performance testing at pre-production test injection points shown in the Plans. Inject at the pre-production test point locations using the proposed materials, injection rates, and processes anticipated for production.

To verify adequate subsurface improvement has been achieved, perform a minimum of two standard penetration test (SPT) soil borings in accordance with ASTM D1586, using safety or automatic hammer) or dynamic cone penetrometer (DCP) soundings in accordance with ASTM D6951, at locations approved by the Engineer. After injection of the test points, locate at least one SPT boring or DCP sounding just outside the injected area and at least one SPT boring or DCP sounding centrally within the test point grid, unless shown otherwise in the Plans. Use the same equipment for all tests. Submit the results of the SPT borings and DCP soundings, the recommended injection rate and injection cut-off criteria to the Engineer for review and approval prior to proceeding with the production point locations. The Engineer may require additional SPT borings or DCP soundings.

Do not adjust the polyurethane components, ratios or injection processes during production point injection without the approval of the Engineer.

**173-5.4.2 Post-Production:** Additional subsurface testing, performed using SPT soil borings or DCP soundings, may be required as directed by the Engineer on each project lane to confirm existing subgrade soil conditions based upon available subsurface information. The Engineer may require access holes to be drilled to allow the insertion of video equipment to assess the size of existing voids.

**173-5.5 Injection Placement:** Inject the polyurethane to the depth shown in the Plans. If not shown in the Plans, select the exact location, spacing, hole size and depth of the injection tubes with the approval of the Engineer. All one component polyurethane material must be injected at least one foot below the existing water table. When direct access to voids is available, provide a means to confine the placement and inject the polyurethane directly into the void. When direct access to voids is not available, drill a series of holes sized no larger than required for the injection tube placement, at approximately 3 to 4 foot intervals or as determined by the Engineer. When drilling through reinforced concrete, determine the location of existing reinforcing prior to drilling injection holes. Do not drill into or cut existing reinforcing. If existing reinforcing is encountered during drilling, shift the hole to clear reinforcing.

Install and operate a level control system during the injection operation. Monitor the elevation of the pavement or structure profile to detect any movement within a 10 to 15 foot radius from the point of injection during injection operations, or as directed by the Engineer. Continuously monitor laser level or dial indicator micrometer readings during injection operations to determine sufficient material usage as indicated by pavement movement of 1/16 inch or less. Additionally, monitor all directly adjoining structures, such as adjacent bridge spans, road surfaces, curb and gutter to detect and prevent unintended movement.

Inject the material gradually to avoid excessive force build up. If the movements exceed 1/16 inch beyond the desired profile, take corrective actions to stop the movement and perform repairs. Immediately notify the Engineer if signs of damage are observed, such as new cracks in the pavement, increased size of existing cracks, or separation of joints in paved and unpaved surfaces. Repair any damage to the concrete slab/pavement, adjacent structures, gutters, and shoulders resulting from the injection operations to the satisfaction of the Engineer, and at no cost to the Department.

Remove any excess polyurethane material extruding from cracks or the drilled holes. Seal the drilled holes to the full depth of the slab section with cement grout.

Allow the polyurethane material to cure before allowing traffic on to approach slabs adjusted by polyurethane injection.

**173-5.6 Faulted Joints.** For undersealing and leveling of faulted joints of concrete pavement, inject to fill any void in the sub-base. When the void is filled and the area is stabilized, begin lifting and realigning panels to proper grade for ride improvement.

**173-5.7 Drainable Bases:** Ensure the material does not enter the drainable base. For stabilization of pavement with a drainable base, place injection tubes approximately 24 inches below the bottom of the drainable base. Inject the material to stabilize the subgrade and then move the subbase and base material up, compressing it against the bottom of the pavement, returning the pavement to near its original grade.

**173-5.8 Lifting:** In some situations for lifting, the subgrade will need to be stabilized. When stabilization is required, an injection depth will be determined by the Contractor and approved by the Engineer, but will not be at a depth greater than 3 feet below the pavement base. Inject the material until the dip in the pavement is removed and the pavement or structure is brought to the desired grade.

If stabilization is not necessary, the injection depth will be 12 or more inches below the pavement base to fill the void and lift the pavement or structure to the desired grade.

**173-5.9 Sleeper Slabs:** For bridge approach slabs that have sleeper support slabs, drill all holes, fully sleeved by tubes, into the base soils to prevent any injection of polyurethane between the sleeper slab and the pavement. Insert injection tubes to a minimum depth of 4 to 5 feet and a minimum depth of 1 to 2 feet below the bottom of the sleeper slab. Inject the material through each tube until the soils are stabilized as evident when movement of the pavement is detected. Continue to inject material beneath the sleeper slab to lift the sleeper slab and pavement together to the desired grade.

**173-5.10 Edgedrains:** If edgedrains are present, keep all injections within 4 feet of the edgedrain and at least 18 inches below the bottom of the edgedrain.

**173-5.11 Punch Outs:** Prior to replacement of short sections of concrete or asphalt (punch-outs) where base and subbase are suspected as contributing to the pavement failure, perform injections to stabilize the base and subbase to avoid cutout and removal of base and subbase. Ensure removal of the existing pavement does not disturb the tubes or the newly stabilized base and subbase. After removal of the pavement, cut the tubes off at the top of the base material.

**173-5.12 Blowouts:** Take responsibility for any pavement blowouts, excessive pavement lifting, pavement damage or exacerbation of misalignment that may occur as a result of the work. If movement exceeds 1/16 inch beyond the desired movement, take corrective actions to stop the movement. Repair the area to the satisfaction of the Engineer and at no cost to the Department.

**173-5.13 Storm Drains:** For lifting, sealing and filling of voids around storm drains including pipe, manholes and other built structures, submit a plan of action to the Engineer for approval. Prior to performing work, evaluate the integrity of the pipe and storm drain system through inspection, either visual or by remote camera, to determine the correct placement of polyurethane. Perform post installation evaluation of the work by similar means. Ensure that any injected material entering the storm drain system during the installation work is removed and disposed of accordingly.

**173-5.14 Water Control Structures:** For void filling and sealing of water control structures, culverts and sea walls, submit a plan of action to the Engineer for approval. Base the plan of action on the specific situation and propose the injection spacing, elevations, quantities and desired result.

**173-6 Report.**

Submit a report to the Engineer documenting the polyurethane material injection and instrumentation. Provide before and after photos of the project, a diagram of injection ports, injection volumes per port, problems encountered during construction, resolutions made, and certification testing results in the report. Include pavement profiles before and after injection, document whether the transition at joints are smooth, and whether there are additional cracks in the pavement. Submit the report prior to final acceptance of the project. In addition, supply as-built injection drawings and grade readings within 5 days of completing the project.

**173-7 Method of Measurement.**

For single component polyurethane, the quantity to be paid will be the volume (in gallons) of material authorized, injected, and accepted.

For two component polyurethane mixes, the quantity to be paid will be the weight, in pounds, of material authorized, injected, and accepted. Multiply the volume (in gallons) of resin by the resin density to determine the weight of resin. Multiply the volume (in gallons) of activator by the activator density to determine the weight of activator. Add the weights of resin and activator to determine the total weight.

For pre-production testing, do not include the cost of polyurethane material. Include the quantity of material used for pre-production testing in the quantity of single component or two component polyurethane injection, as appropriate.

**173-8 Basis of Payment.**

Price and payment will be full compensation for all work specified in this Section including furnishing all labor, materials, tools, equipment, testing, and incidentals necessary to complete the work.

Payment for pre-production testing will not be made until all injection placements are completed and accepted.

Payment will be made under:

Item No. 906-173- Polyurethane Injection

# CHANGE ORDER



Timothy Rose Contracting, Incorporated  
 825 8th Street  
 Vero Beach, FL 32962

Phone - 772.564.7800  
 Email - accounting@timothyrosecontracting.com

Date	Change Order #
11/3/2022	15-340-449

Name / Address
Indian River County 1800 27th Street Vero Beach, FL 32960

Project:
SR60 & 43rd Ave Asphalt Increase

Approved Yes No

Qty	Description	Amount
	SR60 & 43rd Ave Asphalt Increase Increase includes Trucking, Fuel, Emulsion, Labor Increases	
1,668	Structural 1 1/2 - 20,988 SQYD - Weight 159 - 1668 Ton (Old Amount was \$202,662 - Increase of \$140,112.00)	140,112.00
2,998	FC 1" - 56,568 SQYD - Weight 106 - 2998 Ton (Old Amount was \$399,483.50 - Increase of \$281,812.50)	281,812.50
53.63	Turnout - 53.63 Ton (Old Amount was \$8,312.65 - Increase \$4,719.35)	4,719.35
180	Overbuild - 180 Ton (Old Amount was \$31,680 - Increase \$13,320.00)	13,320.00
1	5% Mark up	21,998.19
<b>Total</b>		\$461,962.04

# QUOTE PROPOSAL



**C.W. ROBERTS CONTRACTING, INC**

806 NW 9th St  
Okeechobee, FL 34972

Contact: Justin Andrews  
Phone: 863-763-7373  
Fax: 863-763-7379

Quote To: Timothy Rose Contracting, Inc.  
1360 Old Dixie Highway SW, Suite 106  
Vero Beach, Florida 32962  
772-564-7800  
772-564-7888

Job Name: SR 60 & 43rd Ave  
FPN:  
Date of Plans: 6/2017  
Revision Date:

Quote Revision:

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
100	MOBILIZATION	1.00	LS	48,000.00	48,000.00
200	TURNOUT CONSTRUCTION- ASPHALT/DRIVEWAY BASE-ASPHALT	98.00	TN	155.00	15,190.00
300	SUPERPAVE ASPHALTIC CONC, TAFFIC C (OVERBUILD)	7,200.00	TN	102.00	734,400.00
400	SUPERPAVE ASPHALTIC CONC, TRAFFIC C, PG 76-22, (SP	4,760.00	TN	121.50	578,340.00
500	ASPHALT CONCRETE FRICTION COURSE, FC- 9.5, TRAFFIC	3,173.00	TN	133.25	422,802.25
<b>GRAND TOTAL</b>					<b>\$1,798,732.25</b>

**NOTES:**

- 1.) Temporary striping and removal is not included.
- 2.) Layout is not included.
- 3.) CWR has included roadway QC for the asphalt paving only.
- 4.) Base to be compacted per specifications and left on plan grade by others. CWR is not responsible for the integrity or imperfections of said base.
- 5.) Pricing is based on 6 mobilizations, add \$2,000 for each additional mobilization.
- 6.) Asphalt Overruns will be billed at the above unit prices.
- 7.) Bituminous Tack Coat is included in Asphalt prices.
- 8.) Bituminous Prime Coat is not included.
- 9.) Bond is not included.
- 10.) MOT setup and devices are not included.
- 11.) This proposal expires thirty (30) days from the date hereof (5/8/2020), but may be accepted at any later date at the sole option of CWR.



## Revised Pricing



### C.W. ROBERTS CONTRACTING, INC

806 NW 9th St  
 Okeechobee, FL 34972  
 Contact: Justin Andrews  
 Phone: 863-763-7373  
 Mobile: 850-666-2605

Quote To: Timothy Rose Contracting, Inc.  
 Attn: Zach Rose  
 Email: zach@timothyrosecontracting.com  
 Phone: 772-564-7800

Job Name: SR 60 & 43rd Ave  
 Date of Plans: 6/2017  
 Revision Date: 7/12/22  
 Quote Revision:

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
200	TURNOUT CONSTRUCTION- ASPHALT/DRIVEWAY BASE-ASPHALT	98.00	TN	243.00	23,814.00
300	SUPERPAVE ASPHALTIC CONC, TAFFIC C (OVERBUILD)	854.82	TN	176.50	150,875.73
400	SUPERPAVE ASPHALTIC CONC, TRAFFIC C, PG 76-22, (SP	3,208.85	TN	205.50	659,418.68
500	ASPHALT CONCRETE FRICTION COURSE, FC-9.5, TRAFFIC	3,173.00	TN	227.25	721,064.25
<b>GRAND TOTAL</b>					<b>\$1,555,172.66</b>

Engineer's Estimate  
11/8/2022

William R Adams

Digitally signed by William R Adams  
Date: 2022.11.08 10:54:07 -05'00'

Engineer's Estimate

Pay Item #	Description	Original Contract Unit Price	Unit	Remaining Qty	Total based on Original Unit Price	Basis	EE Unit Price	Total Revised Cost	Total Increase Cost
0286-2	Turnout Construction-Asphalt/Driveway Base-Asphalt	\$150.00	TN	54	\$ 8,100.00	FDOT Bid Tabs	\$ 388.21	\$ 20,963.11	\$ 12,863.11
0334-1-13	Superpave Asphaltic Concrete, Traffic C (SP 12.5 Overbuild)	\$115.00	TN	200	\$ 23,000.00	FDOT Bid Tabs	\$ 986.86	\$ 197,371.29	\$ 174,371.29
0334-1-13A	Superpave Asphaltic Concrete, Traffic C, PG 76-22 (SP 12.5 1/2" w/poly)	\$122.00	TN	1668	\$ 203,496.00	FDOT Bid Tabs	\$ 394.88	\$ 658,657.86	\$ 455,161.86
0337-7-82	Asphalt Concrete Friction Course, FC-9.5, Traffic C, PG 76-22 w/poly, 1" thick)	\$126.00	TN	2998	\$ 377,748.00	FDOT Bid Tabs	\$ 272.11	\$ 815,774.46	\$ 438,026.46
					\$ 612,344.00			\$ 1,692,766.72	\$1,080,422.72

Contractor's Pricing

Pay Item #	Description	Original Contract Unit Price	Unit	Remaining Qty	Total based on Original Unit Price	Contractor Escalated Price	Total Revised Cost	Total Increase Cost
0286-2	Turnout Construction-Asphalt/Driveway Base-Asphalt	\$150.00	TN	54	\$ 8,100.00	\$ 243.00	\$ 13,122.00	\$ 5,022.00
0334-1-13	Superpave Asphaltic Concrete, Traffic C (SP 12.5 Overbuild)	\$115.00	TN	200	\$ 23,000.00	\$ 176.50	\$ 35,300.00	\$ 12,300.00
0334-1-13A	Superpave Asphaltic Concrete, Traffic C, PG 76-22 (SP 12.5 1/2" w/poly)	\$122.00	TN	1668	\$ 203,496.00	\$ 205.50	\$ 342,774.00	\$ 139,278.00
0337-7-82	Asphalt Concrete Friction Course, FC-9.5, Traffic C, PG 76-22 w/poly, 1" thick)	\$126.00	TN	2998	\$ 377,748.00	\$ 227.25	\$ 681,295.50	\$ 303,547.50
					\$ 612,344.00		\$ 1,072,491.50	\$ 460,147.50

Issue B  
Exhibit B

Letting Bid - T4626, 7/27/2022, Broward County											
Pay Item #	Description	Quantity	Weekly	Horizon	FE&D	JVA	General	OHLA	UAG	AVG	Total AVG
0286-2	Turnout Construction-Asphalt/Driveway Base-Asphalt	202.5	\$ 250.00	\$ 320.00	\$ 426.10	\$ 300.65	\$ 344.44	\$ 410.25	\$ 666.00	\$ 388.21	\$ 78,611.66
0334-1-13	Superpave Asphaltic Concrete, Traffic C (SP 12.5 Overbuild)	0									
0334-1-13A	Superpave Asphaltic Concrete, Traffic C, PG 76-22 (SP 12.5 1/2" w/poly)	124.3	\$ 200.00	\$ 320.00	\$ 419.00	\$ 199.65	\$ 310.00	\$ 240.12	\$ 477.70	\$ 309.50	\$ 38,470.32
0337-7-82	Asphalt Concrete Friction Course, FC-9.5, Traffic C, PG 76-22 w/(poly, 1" thick)	668.7	\$ 170.00	\$ 320.00	\$ 175.00	\$ 226.90	\$ 225.00	\$ 197.66	\$ 216.44	\$ 218.71	\$ 146,254.24

Letting Bid - T5764, 10/5/2022, Brevard County						
Pay Item #	Description	Quantity	Carr	Ranger	AVG	Total AVG
0286-2	Turnout Construction-Asphalt/Driveway Base-Asphalt	0				
0334-1-13	Superpave Asphaltic Concrete, Traffic C (SP 12.5 Overbuild)	1.2	\$ 1,809.00	\$ 2,710.00	\$ 2,259.50	\$ 2,711.40
0334-1-13A	Superpave Asphaltic Concrete, Traffic C, PG 76-22 (SP 12.5 1/2" w/poly)	0				
0337-7-82	Asphalt Concrete Friction Course, FC-9.5, Traffic C, PG 76-22 w/(poly, 1" thick)	665.2	\$ 283.00	\$ 337.00	\$ 310.00	\$ 206,212.00

Letting Bid - T5768, 10/5/2022, Marion County						
Pay Item #	Description	Quantity	CWR	Chinchor	AVG	Total AVG
0286-2	Turnout Construction-Asphalt/Driveway Base-Asphalt	0				
0334-1-13	Superpave Asphaltic Concrete, Traffic C (SP 12.5 Overbuild)	15.8	\$ 1,125.00	\$ 655.40	\$ 890.20	\$ 14,065.16
0334-1-13A	Superpave Asphaltic Concrete, Traffic C, PG 76-22 (SP 12.5 1/2" w/poly)	130.1	\$ 425.00	\$ 395.50	\$ 410.25	\$ 53,373.53
0337-7-82	Asphalt Concrete Friction Course, FC-9.5, Traffic C, PG 76-22 w/(poly, 1" thick)	716.5	\$ 211.54	\$ 250.86	\$ 231.20	\$ 165,654.80

Letting Bid - T5769, 10/5/2022, Orange County							
Pay Item #	Description	Quantity	TCD	HSD	Ranger	AVG	Total AVG
0286-2	Turnout Construction-Asphalt/Driveway Base-Asphalt	0					
0334-1-13	Superpave Asphaltic Concrete, Traffic C (SP 12.5 Overbuild)	0					
0334-1-13A	Superpave Asphaltic Concrete, Traffic C, PG 76-22 (SP 12.5 1/2" w/poly)	2.7	\$ 3,525.00	\$ 5,000.00	\$ 2,230.00	\$ 3,585.00	\$ 9,679.50
0337-7-82	Asphalt Concrete Friction Course, FC-9.5, Traffic C, PG 76-22 w/(poly, 1" thick)	373.9	\$ 350.00	\$ 495.00	\$ 290.70	\$ 378.57	\$ 141,546.08

Weighted Averages								
Pay Item #	Description	Quantity	T4626	T5764	T5768	T5769	Total	Wt. AVG
0286-2	Turnout Construction-Asphalt/Driveway Base-Asphalt	202.5	\$ 78,611.66	\$ -	\$ -	\$ -	\$ 78,611.66	\$ 388.21
0334-1-13	Superpave Asphaltic Concrete, Traffic C (SP 12.5 Overbuild)	17	\$ -	\$ 2,711.40	\$ 14,065.16	\$ -	\$ 16,776.56	\$ 986.86
0334-1-13A	Superpave Asphaltic Concrete, Traffic C, PG 76-22 (SP 12.5 1/2" w/poly)	257.1	\$ 38,470.32	\$ -	\$ 53,373.53	\$ 9,679.50	\$ 101,523.34	\$ 394.88
0337-7-82	Asphalt Concrete Friction Course, FC-9.5, Traffic C, PG 76-22 w/(poly, 1" thick)	2424.3	\$ 146,254.24	\$ 206,212.00	\$ 165,654.80	\$ 141,546.08	\$ 659,667.12	\$ 272.11



Vendor Ranking

Letting: CT220727 July 27, 2022 10:30 AM Call Order: 006 Contract: T4626  
District: District 4 Counties: BROWARD Fed Aid No: D422012B  
Contract Time: 353 AVAILABLE DAYS Project(s): 44157315201 (\*)  
Contract Desc: NW 29TH ST 44157315202

Rank	Vendor	Bid Type	Bid Status	Total Bid	Percent Of Low Bid
1	WEEKLEY ASPHALT PAVING, INC.	Responsive	Winning bid	\$2,323,590.56	100.00%
2	HORIZON CONTRACTORS, INC.	Responsive	Non-Winning Bid	\$2,385,827.05	102.68%
3	FLORIDA ENGINEERING & DEVELOPMENT CORP	Responsive	Non-Winning Bid	\$2,419,010.62	104.11%
4	JVA ENGINEERING CONTRACTOR, INC	Responsive	Non-Winning Bid	\$2,595,648.17	111.71%
5	GENERAL ASPHALT COMPANY, LLC	Responsive	Non-Winning Bid	\$2,785,000.00	119.86%
6	OHLA USA INC	Responsive	Non-Winning Bid	\$3,270,000.00	140.73%
7	UAG CONSTRUCTION LLC	Responsive	Non-Winning Bid	\$3,321,277.88	142.94%

*NOTE: Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.*



Tabulation of Bids

Letting: CT220727 July 27, 2022 Call Order: 006 Contract: T4626  
 District: District 4 Counties: BROWARD Fed Aid No: D422012B  
 Contract Time: 353 AVAILABLE DAYS Project(s): 44157315201 (\*)  
 Contract Descr: NW 29TH ST 44157315202

The improvements under this contract consist of, but are not limited to, monitor existing structures (inspection, settlement), concrete (removal, plain cement, curb, gutter, sidewalk, driveways, patterned), asphalt (milling, resurfacing, turnouts), steel (reinforcing), signing (single post, panel), pavement markings (raised, painted, thermoplastic, bike lane), signalization (conduit, cable, pull and splice box, aluminum pole) including pedestrian (furnish, install, remove) and detector (furnish, install, remove), pavers, drainage (inlets, pipe culvert, pipe filling and plugging, manholes), pull and splice box, utilities (fixtures, adjustments, fire hydrant adjust and modify), pipe handrail, tree (protection, root pruning, branch pruning), and sod along NW 29th St.

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) WEEKLEY ASPHALT PAVING, INC.		(2) HORIZON CONTRACTORS, INC.		(3) FLORIDA ENGINEERING & DEVELOPMENT CORP	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0005 0101 1 MOBILIZATION 44157315201		(1.000) LS	97,000.00000	97,000.00	230,000.00000	230,000.00	233,200.00000	233,200.00
0010 0102 1 MAINTENANCE OF TRAFFIC 44157315201		(353.000) DA (LS)	140,000.00000	140,000.00	130,000.00000	130,000.00	254,500.00000	254,500.00
0015 0102 3 COMMERCIAL MATERIAL FOR TEMPORARY DRIVEWAY MAINTENANCE		38.000 CY	100.00000	3,800.00	130.00000	4,940.00	64.50000	2,451.00
0020 0102 14 TRAFFIC CONTROL OFFICER		480.000 HR	76.00000	36,480.00	60.00000	28,800.00	67.00000	32,160.00
0025 0102 60 WORK ZONE SIGN		7,056.000 ED	0.50000	3,528.00	0.30000	2,116.80	0.22000	1,552.32
0030 0102 74 1 CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD		5,040.000 ED	0.25000	1,260.00	0.14000	705.60	0.11000	554.40



Tabulation of Bids

Letting: CT220727		July 27, 2022		Call Order: 006		Contract: T4626		
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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0035 0102 99 PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY		112.000 ED	26.00000	2,912.00	13.00000	1,456.00	10.00000	1,120.00
0040 0104 18 INLET PROTECTION SYSTEM		15.000 EA	135.00000	2,025.00	100.00000	1,500.00	134.70000	2,020.50
0045 0108 1 MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING 44157315201		(1.000) LS	28,670.00000	28,670.00	12,000.00000	12,000.00	12,500.00000	12,500.00
0050 0110 1 1 CLEARING & GRUBBING 44157315201		(1.390) AC (LS)	190,540.00000	190,540.00	38,000.00000	38,000.00	275,775.00000	275,775.00
0055 0110 4 10 REMOVAL OF EXISTING CONCRETE		1,443.000 SY	29.50000	42,568.50	22.00000	31,746.00	18.80000	27,128.40
0060 0110 7 1 MAILBOX, F&I SINGLE		3.000 EA	155.00000	465.00	275.00000	825.00	515.00000	1,545.00
0065 0110 21 TREE PROTECTION BARRIER		617.000 LF	6.90000	4,257.30	9.00000	5,553.00	5.20000	3,208.40
0070 0110 22 TREE ROOT AND BRANCH PRUNING		19.000 EA	1,000.00000	19,000.00	1,000.00000	19,000.00	875.50000	16,634.50



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0075 0120 1 REGULAR EXCAVATION		214.000 CY	60.00000	12,840.00	32.00000	6,848.00	136.80000	29,275.20
0080 0120 6 EMBANKMENT		18.100 CY	40.00000	724.00	200.00000	3,620.00	75.20000	1,361.12
0085 0160 4 TYPE B STABILIZATION		2,198.000 SY	8.00000	17,584.00	4.00000	8,792.00	32.30000	70,995.40
0090 0285704 OPTIONAL BASE, BASE GROUP 04		3,942.000 SY	41.90000	165,169.80	60.00000	236,520.00	39.60000	156,103.20
0095 0286 2 TURNOUT CONSTRUCTION- ASPHALT/DRIVEWAY BASE- ASPHALT MATERIAL		202.500 TN	250.00000	50,625.00	320.00000	64,800.00	426.10000	86,285.25
0100 0327 70 6 MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH		6,358.000 SY	3.00000	19,074.00	4.75000	30,200.50	4.05000	25,749.90
0105 0334 1 53 SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22		124.300 TN	200.00000	24,860.00	320.00000	39,776.00	419.00000	52,081.70
0110 0337 7 83 ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22		668.700 TN	170.00000	113,679.00	320.00000	213,984.00	175.10000	117,089.37



Tabulation of Bids

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Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) WEEKLEY ASPHALT PAVING, INC.		(2) HORIZON CONTRACTORS, INC.		(3) FLORIDA ENGINEERING & DEVELOPMENT CORP	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0115 0350 3 5 PLAIN CEMENT CONCRETE PAVEMENT, 8"		922.000 SY	194.00000	178,868.00	124.00000	114,328.00	128.20000	118,200.40
0120 0415 1 1 REINFORCING STEEL- ROADWAY		1,345.000 LB	3.00000	4,035.00	24.00000	32,280.00	7.50000	10,087.50
0125 0425 1201 INLETS, CURB, TYPE 9, <10'		4.000 EA	7,300.00000	29,200.00	7,000.00000	28,000.00	5,335.50000	21,342.00
0130 0425 1521 INLETS, DT BOT, TYPE C, <10'		23.000 EA	5,900.00000	135,700.00	6,000.00000	138,000.00	4,300.10000	98,902.30
0135 0425 1711 INLETS, GUTTER, TYPE V, <10'		5.000 EA	7,800.00000	39,000.00	7,800.00000	39,000.00	6,004.50000	30,022.50
0140 0425 2 43 MANHOLES, P-7, PARTIAL		2.000 EA	3,300.00000	6,600.00	5,400.00000	10,800.00	2,287.00000	4,574.00
0145 0425 2 61 MANHOLES, P-8, <10'		1.000 EA	6,900.00000	6,900.00	6,500.00000	6,500.00	4,928.00000	4,928.00
0150 0425 5 1 MANHOLE, ADJUST, UTILITIES		11.000 EA	620.00000	6,820.00	700.00000	7,700.00	772.50000	8,497.50
0155 0425 6 VALVE BOXES, ADJUST		20.000 EA	490.00000	9,800.00	700.00000	14,000.00	515.00000	10,300.00





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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0160 0430175118 PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD		2,011.000 LF	161.50000	324,776.50	105.00000	211,155.00	98.10000	197,279.10
0165 0430175124 PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD		84.000 LF	345.00000	28,980.00	190.00000	15,960.00	307.60000	25,838.40
0170 0430175218 PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 18"S/CD		32.000 LF	310.00000	9,920.00	220.00000	7,040.00	173.50000	5,552.00
0175 0430830 PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE		35.000 CY	460.00000	16,100.00	700.00000	24,500.00	285.50000	9,992.50
0180 0515 1 2 PIPE HANDRAIL - GUIDERAIL, ALUMINUM		134.000 LF	48.00000	6,432.00	85.00000	11,390.00	139.50000	18,693.00
0185 0520 1 10 CONCRETE CURB & GUTTER, TYPE F		1,185.000 LF	53.91000	63,883.35	36.00000	42,660.00	23.80000	28,203.00
0190 0522 2 CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK		1,738.000 SY	71.00000	123,398.00	70.00000	121,660.00	55.70000	96,806.60
0195 0526 1 1 PAVERS, ARCHITECTURAL, ROADWAY		218.000 SY	213.00000	46,434.00	185.00000	40,330.00	85.40000	18,617.20
0200 0527 2 DETECTABLE WARNINGS		589.000 SF	42.00000	24,738.00	43.00000	25,327.00	28.90000	17,022.10



Tabulation of Bids

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Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) WEEKLEY ASPHALT PAVING, INC.		(2) HORIZON CONTRACTORS, INC.		(3) FLORIDA ENGINEERING & DEVELOPMENT CORP	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0205 0570 1 2		1,853.000	8.20000	15,194.60	9.00000	16,677.00	8.60000	15,935.80
PERFORMANCE TURF, SOD		SY						
0210 0635 2 12		1.000	850.00000	850.00	1,725.00000	1,725.00	1,308.10000	1,308.10
PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE		EA						
0215 0999 25		(1.000)	50,000.00000	50,000.00	50,000.00000	50,000.00	50,000.00000	50,000.00
INITIAL CONTINGENCY AMOUNT, DO NOT BID 44157315201		LS						
0220 0999 26		(1.000)	1,968.00000	1,968.00	1,968.00000	1,968.00	1,968.00000	1,968.00
LOCAL AGENCY INITIAL CONTINGENCY AMOUNT (DO NOT BID) 44157315202		LS						
0225 1080 21500		14.000	410.00000	5,740.00	700.00000	9,800.00	609.10000	8,527.40
UTILITY FIXTURE, VALVE/METER BOX, ADJUST		EA						
0230 1644700		3.000	5,200.00000	15,600.00	12,000.00000	36,000.00	2,750.00000	8,250.00
FIRE HYDRANT, ADJUST & MODIFY		EA						
0001 Roadway Section Totals:				\$2,127,999.05		\$2,117,982.90		\$2,214,138.06
SECTION: 0002 Signing								
0235 0700 1 11		16.000	350.00000	5,600.00	475.00000	7,600.00	360.50000	5,768.00
SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF		AS						



Tabulation of Bids

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Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) WEEKLEY ASPHALT PAVING, INC.		(2) HORIZON CONTRACTORS, INC.		(3) FLORIDA ENGINEERING & DEVELOPMENT CORP		
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0002 Signing									
0240 0700 1 50 SINGLE POST SIGN, RELOCATE		4.000 AS	395.00000	1,580.00	305.00000	1,220.00	407.00000	1,628.00	
0245 0700 1 60 SINGLE POST SIGN, REMOVE		13.000 AS	5.00000	65.00	25.00000	325.00	26.00000	338.00	
0250 0700 3101 SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF		2.000 EA	150.00000	300.00	275.00000	550.00	154.50000	309.00	
0255 0706 1 3 RAISED PAVEMENT MARKER, TYPE B		238.000 EA	4.00000	952.00	5.50000	1,309.00	4.20000	999.60	
0260 0710 90 PAINTED PAVEMENT MARKINGS, FINAL SURFACE 44157315201		(1.000) LS	8,398.50000	8,398.50	11,500.00000	11,500.00	9,000.00000	9,000.00	
0265 0711 11123 THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDBOUT		1,086.000 LF	1.80000	1,954.80	2.50000	2,715.00	1.90000	2,063.40	
0270 0711 11125 THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK		317.000 LF	3.60000	1,141.20	5.00000	1,585.00	3.70000	1,172.90	
0275 0711 11141 THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"		0.123 GM	1,188.00000	146.12	1,615.00000	198.65	1,257.00000	154.61	



Tabulation of Bids

Letting:		CT220727 July 27, 2022		Call Order: 006		Contract: T4626		
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) WEEKLEY ASPHALT PAVING, INC.		(2) HORIZON CONTRACTORS, INC.		(3) FLORIDA ENGINEERING & DEVELOPMENT CORP	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0002 Signing								
0280 0711 11160 THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL		2.000 EA	120.00000	240.00	165.00000	330.00	123.60000	247.20
0285 0711 11170 THERMOPLASTIC, STANDARD, WHITE, ARROW		22.000 EA	80.00000	1,760.00	110.00000	2,420.00	82.40000	1,812.80
0290 0711 11224 THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON		194.000 LF	2.70000	523.80	3.75000	727.50	2.80000	543.20
0295 0711 14160 THERMOPLASTIC, PREFORMED, WHITE, MESSAGE		14.000 EA	260.00000	3,640.00	350.00000	4,900.00	268.00000	3,752.00
0300 0711 16101 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"		0.797 GM	4,752.00000	3,787.34	6,500.00000	5,180.50	4,900.00000	3,905.30
0305 0711 16201 THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"		1.501 GM	4,752.00000	7,132.75	6,500.00000	9,756.50	4,950.00000	7,429.95
0310 0920714100 GREEN COLORED PAVEMENT MARKINGS, BIKE LANE		13,044.000 SF	10.00000	130,440.00	13.50000	176,094.00	10.30000	134,353.20
0002 Signing Section Totals:				\$167,661.51		\$226,411.15		\$173,477.16



Tabulation of Bids

Letting: CT220727		July 27, 2022		Call Order: 006		Contract: T4626		
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) WEEKLEY ASPHALT PAVING, INC.		(2) HORIZON CONTRACTORS, INC.		(3) FLORIDA ENGINEERING & DEVELOPMENT CORP	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0003 Signalization								
0315 0630 2 11 CONDUIT, FURNISH & INSTALL, OPEN TRENCH		28.000 LF	40.00000	1,120.00	43.00000	1,204.00	32.60000	912.80
0320 0632 7 1 SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL		1.000 PI	5,600.00000	5,600.00	7,600.00000	7,600.00	5,800.00000	5,800.00
0325 0632 7 6 SIGNAL CABLE, REMOVE- INTERSECTION		1.000 PI	850.00000	850.00	1,410.00000	1,410.00	1,081.50000	1,081.50
0330 0635 2 11 PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE		3.000 EA	720.00000	2,160.00	1,725.00000	5,175.00	1,308.10000	3,924.30
0335 0646 1 12 ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST		2.000 EA	1,500.00000	3,000.00	3,400.00000	6,800.00	2,550.00000	5,100.00
0340 0653 1 11 PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY		4.000 AS	850.00000	3,400.00	1,360.00000	5,440.00	1,030.00000	4,120.00
0345 0653 1 60 PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN		4.000 AS	50.00000	200.00	210.00000	840.00	161.00000	644.00
0350 0665 1 12 PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE		4.000 EA	2,850.00000	11,400.00	3,100.00000	12,400.00	2,345.00000	9,380.00



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Tabulation of Bids

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Letting: CT220727 July 27, 2022			Call Order: 006		Contract: T4626			
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) WEEKLEY ASPHALT PAVING, INC.		(2) HORIZON CONTRACTORS, INC.		(3) FLORIDA ENGINEERING & DEVELOPMENT CORP	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0003 Signalization								
0355 0665 1 60 PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN		4.000 EA	50.00000	200.00	141.00000	564.00	108.20000	432.80
0003 Signalization Section Totals:				\$27,930.00		\$41,433.00		\$31,395.40
<b>Contract Grand Totals:</b>				\$2,323,590.56		\$2,385,827.05		2,419,010.62



Tabulation of Bids

Letting: CT220727		July 27, 2022	Call Order: 006		Contract: T4626			
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(4) JVA ENGINEERING CONTRACTOR, INC		(5) GENERAL ASPHALT COMPANY, LLC		(6) OHLA USA INC	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0005 0101 1		(1.000)	298,078.54000	298,078.54	350,000.00000	350,000.00	327,000.00000	327,000.00
MOBILIZATION 44157315201		LS						
0010 0102 1		(353.000)	201,521.40000	201,521.40	300,000.00000	300,000.00	669,828.63000	669,828.63
MAINTENANCE OF TRAFFIC 44157315201		DA (LS)						
0015 0102 3		38.000	117.30000	4,457.40	30.00000	1,140.00	488.52000	18,563.76
COMMERCIAL MATERIAL FOR TEMPORARY DRIVEWAY MAINTENANCE		CY						
0020 0102 14		480.000	64.51000	30,964.80	72.00000	34,560.00	70.78000	33,974.40
TRAFFIC CONTROL OFFICER		HR						
0025 0102 60		7,056.000	0.24000	1,693.44	0.23000	1,622.88	0.27000	1,905.12
WORK ZONE SIGN		ED						
0030 0102 74 1		5,040.000	0.13000	655.20	0.11000	554.40	0.20000	1,008.00
CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD		ED						
0035 0102 99		112.000	12.55000	1,405.60	10.80000	1,209.60	14.14000	1,583.68
PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY		ED						
0040 0104 18		15.000	457.69000	6,865.35	108.00000	1,620.00	129.19000	1,937.85
INLET PROTECTION SYSTEM		EA						



Tabulation of Bids

Letting: CT220727		July 27, 2022		Call Order: 006		Contract: T4626		
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(4) JVA ENGINEERING CONTRACTOR, INC		(5) GENERAL ASPHALT COMPANY, LLC		(6) OHLA USA INC	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0045 0108 1		(1.000)	11,730.00000	11,730.00	1.00000	1.00	16,307.24000	16,307.24
MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING 44157315201								
0050 0110 1 1		(1.390)	62,515.19000	62,515.19	18,191.14000	18,191.14	385,939.73000	385,939.73
CLEARING & GRUBBING 44157315201								
0055 0110 4 10		1,443.000	55.00000	79,365.00	18.00000	25,974.00	17.11000	24,689.73
REMOVAL OF EXISTING CONCRETE								
0060 0110 7 1		3.000	1,173.00000	3,519.00	780.00000	2,340.00	342.49000	1,027.47
MAILBOX, F&I SINGLE								
0065 0110 21		617.000	7.84000	4,837.28	6.00000	3,702.00	7.14000	4,405.38
TREE PROTECTION BARRIER								
0070 0110 22		19.000	856.29000	16,269.51	3,000.00000	57,000.00	802.05000	15,238.95
TREE ROOT AND BRANCH PRUNING								
0075 0120 1		214.000	20.90000	4,472.60	24.00000	5,136.00	330.22000	70,667.08
REGULAR EXCAVATION								
0080 0120 6		18.100	117.30000	2,123.13	24.00000	434.40	227.44000	4,116.66
EMBANKMENT								





Tabulation of Bids

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Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(4) JVA ENGINEERING CONTRACTOR, INC		(5) GENERAL ASPHALT COMPANY, LLC		(6) OHLA USA INC	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0085 0160 4 TYPE B STABILIZATION		2,198.000 SY	26.75000	58,796.50	30.00000	65,940.00	0.01000	21.98
0090 0285704 OPTIONAL BASE, BASE GROUP 04		3,942.000 SY	55.95000	220,554.90	49.33000	194,458.86	37.59000	148,179.78
0095 0286 2 TURNOUT CONSTRUCTION- ASPHALT/DRIVEWAY BASE- ASPHALT MATERIAL		202.500 TN	300.65000	60,881.63	344.44000	69,749.10	410.25000	83,075.63
0100 0327 70 6 MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH		6,358.000 SY	5.01000	31,853.58	3.50000	22,253.00	4.77000	30,327.66
0105 0334 1 53 SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22		124.300 TN	199.65000	24,816.50	310.00000	38,533.00	240.12000	29,846.92
0110 0337 7 83 ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22		668.700 TN	226.90000	151,728.03	225.00000	150,457.50	197.66000	132,175.24
0115 0350 3 5 PLAIN CEMENT CONCRETE PAVEMENT, 8"		922.000 SY	139.28000	128,416.16	144.00000	132,768.00	127.68000	117,720.96
0120 0415 1 1 REINFORCING STEEL- ROADWAY		1,345.000 LB	2.35000	3,160.75	5.40000	7,263.00	1.79000	2,407.55



Tabulation of Bids

Letting: CT220727		July 27, 2022		Call Order: 006		Contract: T4626		
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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0125 0425 1201 INLETS, CURB, TYPE 9, <10'		4.000 EA	7,643.57000	30,574.28	9,600.00000	38,400.00	6,514.96000	26,059.84
0130 0425 1521 INLETS, DT BOT, TYPE C,<10'		23.000 EA	6,718.49000	154,525.27	8,400.00000	193,200.00	4,637.77000	106,668.71
0135 0425 1711 INLETS, GUTTER, TYPE V, <10'		5.000 EA	7,643.57000	38,217.85	8,400.00000	42,000.00	7,398.34000	36,991.70
0140 0425 2 43 MANHOLES, P-7, PARTIAL		2.000 EA	5,925.63000	11,851.26	4,800.00000	9,600.00	4,085.66000	8,171.32
0145 0425 2 61 MANHOLES, P-8, <10'		1.000 EA	7,037.22000	7,037.22	8,400.00000	8,400.00	5,962.84000	5,962.84
0150 0425 5 1 MANHOLE, ADJUST, UTILITIES		11.000 EA	517.03000	5,687.33	780.00000	8,580.00	607.33000	6,680.63
0155 0425 6 VALVE BOXES, ADJUST		20.000 EA	269.28000	5,385.60	660.00000	13,200.00	496.90000	9,938.00
0160 0430175118 PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD		2,011.000 LF	135.56000	272,611.16	168.00000	337,848.00	187.72000	377,504.92
0165 0430175124 PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD		84.000 LF	160.13000	13,450.92	168.00000	14,112.00	447.21000	37,565.64



Tabulation of Bids

Letting: CT220727		July 27, 2022		Call Order: 006		Contract: T4626		
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(4) JVA ENGINEERING CONTRACTOR, INC		(5) GENERAL ASPHALT COMPANY, LLC		(6) OHLA USA INC	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0170	0430175218	32.000 LF	317.85000	10,171.20	168.00000	5,376.00	408.57000	13,074.24
PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 18"S/CD								
0175	0430830	35.000 CY	582.97000	20,403.95	240.00000	8,400.00	645.98000	22,609.30
PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE								
0180	0515 1 2	134.000 LF	76.24000	10,216.16	66.28000	8,881.52	45.66000	6,118.44
PIPE HANDRAIL - GUIDERAIL, ALUMINUM								
0185	0520 1 10	1,185.000 LF	40.22000	47,660.70	48.00000	56,880.00	34.01000	40,301.85
CONCRETE CURB & GUTTER, TYPE F								
0190	0522 2	1,738.000 SY	68.71000	119,417.98	96.00000	166,848.00	65.29000	113,474.02
CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK								
0195	0526 1 1	218.000 SY	105.57000	23,014.26	120.00000	26,160.00	92.41000	20,145.38
PAVERS, ARCHITECTURAL, ROADWAY								
0200	0527 2	589.000 SF	35.19000	20,726.91	54.00000	31,806.00	40.19000	23,671.91
DETECTABLE WARNINGS								
0205	0570 1 2	1,853.000 SY	11.34000	21,013.02	8.10000	15,009.30	7.88000	14,601.64
PERFORMANCE TURF, SOD								
0210	0635 2 12	1.000 EA	1,231.65000	1,231.65	3,000.00000	3,000.00	1,379.73000	1,379.73
PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE								



Tabulation of Bids

Letting: CT220727 July 27, 2022

Call Order: 006

Contract: T4626

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(4) JVA ENGINEERING CONTRACTOR, INC		(5) GENERAL ASPHALT COMPANY, LLC		(6) OHLA USA INC	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0215 0999 25 INITIAL CONTINGENCY AMOUNT, DO NOT BID 44157315201		(1.000) LS	50,000.00000	50,000.00	50,000.00000	50,000.00	50,000.00000	50,000.00
0220 0999 26 LOCAL AGENCY INITIAL CONTINGENCY AMOUNT (DO NOT BID) 44157315202		(1.000) LS	1,968.00000	1,968.00	1,968.00000	1,968.00	1,968.00000	1,968.00
0225 1080 21500 UTILITY FIXTURE, VALVE/METER BOX, ADJUST		14.000 EA	1,118.39000	15,657.46	780.00000	10,920.00	552.11000	7,729.54
0230 1644700 FIRE HYDRANT, ADJUST & MODIFY		3.000 EA	3,058.53000	9,175.59	2,400.00000	7,200.00	4,416.92000	13,250.76
0001 Roadway Section Totals:				\$2,300,679.26		\$2,542,696.70		\$3,065,817.81

SECTION: 0002 Signing								
0235 0700 1 11 SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF		16.000 AS	410.55000	6,568.80	420.00000	6,720.00	627.83000	10,045.28
0240 0700 1 50 SINGLE POST SIGN, RELOCATE		4.000 AS	463.33000	1,853.32	474.00000	1,896.00	306.14000	1,224.56
0245 0700 1 60 SINGLE POST SIGN, REMOVE		13.000 AS	11.73000	152.49	6.00000	78.00	47.83000	621.79



Tabulation of Bids

Letting: CT220727		July 27, 2022		Call Order: 006		Contract: T4626		
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(4) JVA ENGINEERING CONTRACTOR, INC		(5) GENERAL ASPHALT COMPANY, LLC		(6) OHLA USA INC	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0002 Signing								
0250 0700 3101 SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF		2.000 EA	175.95000	351.90	180.00000	360.00	346.80000	693.60
0255 0706 1 3 RAISED PAVEMENT MARKER, TYPE B		238.000 EA	279.17000	66,442.46	4.80000	1,142.40	4.35000	1,035.30
0260 0710 90 PAINTED PAVEMENT MARKINGS, FINAL SURFACE 44157315201		(1.000) LS	9,853.20000	9,853.20	10,078.20000	10,078.20	14,132.94000	14,132.94
0265 0711 11123 THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDBOUT		1,086.000 LF	2.11000	2,291.46	2.16000	2,345.76	3.59000	3,898.74
0270 0711 11125 THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK		317.000 LF	4.22000	1,337.74	4.32000	1,369.44	4.94000	1,565.98
0275 0711 11141 THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"		0.123 GM	1,373.27000	168.91	1,425.60000	175.35	2,717.87000	334.30
0280 0711 11160 THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL		2.000 EA	140.76000	281.52	144.00000	288.00	163.07000	326.14
0285 0711 11170 THERMOPLASTIC, STANDARD, WHITE, ARROW		22.000 EA	93.84000	2,064.48	96.00000	2,112.00	70.66000	1,554.52



Tabulation of Bids

Letting: CT220727 July 27, 2022 Call Order: 006 Contract: T4626

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(4) JVA ENGINEERING CONTRACTOR, INC		(5) GENERAL ASPHALT COMPANY, LLC		(6) OHLA USA INC	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0002 Signing								
0290 0711 11224 THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON		194.000 LF	3.17000	614.98	3.24000	628.56	4.94000	958.36
0295 0711 14160 THERMOPLASTIC, PREFORMED, WHITE, MESSAGE		14.000 EA	304.98000	4,269.72	312.00000	4,368.00	532.70000	7,457.80
0300 0711 16101 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"		0.797 GM	5,651.59000	4,504.32	5,702.40000	4,544.81	6,522.90000	5,198.75
0305 0711 16201 THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"		1.501 GM	5,626.65000	8,445.60	5,702.40000	8,559.30	6,522.90000	9,790.87
0310 0920714100 GREEN COLORED PAVEMENT MARKINGS, BIKE LANE		13,044.000 SF	11.73000	153,006.12	12.00000	156,528.00	8.61000	112,308.84
0002 Signing Section Totals:				\$262,207.02		\$201,193.82		\$171,147.77

SECTION: 0003 Signalization								
0315 0630 2 11 CONDUIT, FURNISH & INSTALL, OPEN TRENCH		28.000 LF	46.92000	1,313.76	73.20000	2,049.60	34.33000	961.24
0320 0632 7 1 SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL		1.000 PI	6,568.80000	6,568.80	8,744.40000	8,744.40	6,072.77000	6,072.77



Tabulation of Bids

Letting: CT220727 July 27, 2022

Call Order: 006

Contract: T4626

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(4) JVA ENGINEERING CONTRACTOR, INC		(5) GENERAL ASPHALT COMPANY, LLC		(6) OHLA USA INC	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0003 Signalization								
0325 0632 7 6 SIGNAL CABLE, REMOVE- INTERSECTION		1.000 PI	997.05000	997.05	896.04000	896.04	1,127.81000	1,127.81
0330 0635 2 11 PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE		3.000 EA	844.56000	2,533.68	1,699.92000	5,099.76	1,379.72000	4,139.16
0335 0646 1 12 ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST		2.000 EA	1,759.50000	3,519.00	2,827.44000	5,654.88	2,688.50000	5,377.00
0340 0653 1 11 PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY		4.000 AS	997.05000	3,988.20	1,768.80000	7,075.20	1,086.22000	4,344.88
0345 0653 1 60 PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN		4.000 AS	58.65000	234.60	112.08000	448.32	169.18000	676.72
0350 0665 1 12 PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE		4.000 EA	3,343.05000	13,372.20	2,673.24000	10,692.96	2,470.93000	9,883.72
0355 0665 1 60 PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN		4.000 EA	58.65000	234.60	112.08000	448.32	112.78000	451.12
0003 Signalization Section Totals:				\$32,761.89		\$41,109.48		\$33,034.42



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Tabulation of Bids

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Letting: CT220727 July 27, 2022			Call Order: 006		Contract: T4626			
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(4) JVA ENGINEERING CONTRACTOR, INC		(5) GENERAL ASPHALT COMPANY, LLC		(6) OHLA USA INC	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
Contract Grand Totals:				\$2,595,648.17		\$2,785,000.00		3,270,000.00





Tabulation of Bids

Letting: CT220727		July 27, 2022		Call Order: 006		Contract: T4626			
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(7) UAG CONSTRUCTION LLC						
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001		Roadway							
0005 0101 1		(1.000)	687,062.99000	687,062.99					
MOBILIZATION 44157315201		LS							
0010 0102 1		(353.000)	206,755.97000	206,755.97					
MAINTENANCE OF TRAFFIC 44157315201		DA (LS)							
0015 0102 3		38.000	3,365.33000	127,882.54					
COMMERCIAL MATERIAL FOR TEMPORARY DRIVEWAY MAINTENANCE		CY							
0020 0102 14		480.000	57.75000	27,720.00					
TRAFFIC CONTROL OFFICER		HR							
0025 0102 60		7,056.000	0.27000	1,905.12					
WORK ZONE SIGN		ED							
0030 0102 74 1		5,040.000	0.19000	957.60					
CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD		ED							
0035 0102 99		112.000	13.65000	1,528.80					
PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY		ED							
0040 0104 18		15.000	165.75000	2,486.25					
INLET PROTECTION SYSTEM		EA							



Tabulation of Bids

Letting: CT220727		July 27, 2022		Call Order: 006		Contract: T4626			
Line No / Item ID	Alternate	Quantity	(7) UAG CONSTRUCTION LLC						
Item Description			Units	Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
<i>( ) indicates item is bid as Lump Sum</i>									
SECTION: 0001		Roadway							
0045	0108 1	(1.000)		56,700.00000	56,700.00				
MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING 44157315201			LS						
0050	0110 1 1	(1.390)		117,442.32000	117,442.32				
CLEARING & GRUBBING 44157315201			AC (LS)						
0055	0110 4 10	1,443.000		37.15000	53,607.45				
REMOVAL OF EXISTING CONCRETE			SY						
0060	0110 7 1	3.000		175.50000	526.50				
MAILBOX, F&I SINGLE			EA						
0065	0110 21	617.000		2.21000	1,363.57				
TREE PROTECTION BARRIER			LF						
0070	0110 22	19.000		236.25000	4,488.75				
TREE ROOT AND BRANCH PRUNING			EA						
0075	0120 1	214.000		121.69000	26,041.66				
REGULAR EXCAVATION			CY						
0080	0120 6	18.100		339.77000	6,149.84				
EMBANKMENT			CY						



Tabulation of Bids

Letting: CT220727		July 27, 2022		Call Order: 006		Contract: T4626			
Line No / Item ID	Alternate	Quantity	(7) UAG CONSTRUCTION LLC						
Item Description			Units	Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
<i>( ) indicates item is bid as Lump Sum</i>									
SECTION: 0001		Roadway							
0085	0160 4	2,198.000		25.56000	56,180.88				
TYPE B STABILIZATION		SY							
0090	0285704	3,942.000		93.99000	370,508.58				
OPTIONAL BASE, BASE GROUP 04		SY							
0095	0286 2	202.500		666.00000	134,865.00				
TURNOUT CONSTRUCTION- ASPHALT/DRIVEWAY BASE- ASPHALT MATERIAL		TN							
0100	0327 70 6	6,358.000		7.11000	45,205.38				
MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH		SY							
0105	0334 1 53	124.300		477.70000	59,378.11				
SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22		TN							
0110	0337 7 83	668.700		216.44000	144,733.43				
ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22		TN							
0115	0350 3 5	922.000		123.31000	113,691.82				
PLAIN CEMENT CONCRETE PAVEMENT, 8"		SY							
0120	0415 1 1	1,345.000		1.87000	2,515.15				
REINFORCING STEEL- ROADWAY		LB							



Tabulation of Bids

Letting: CT220727		July 27, 2022		Call Order: 006		Contract: T4626			
Line No / Item ID	Alternate	Quantity	(7) UAG CONSTRUCTION LLC						
Item Description			Units	Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
<i>( ) indicates item is bid as Lump Sum</i>									
SECTION: 0001		Roadway							
0125	0425 1201	4.000		7,929.65000	31,718.60				
INLETS, CURB, TYPE 9, <10'		EA							
0130	0425 1521	23.000		7,227.65000	166,235.95				
INLETS, DT BOT, TYPE C, <10'		EA							
0135	0425 1711	5.000		8,807.15000	44,035.75				
INLETS, GUTTER, TYPE V, <10'		EA							
0140	0425 2 43	2.000		6,642.65000	13,285.30				
MANHOLES, P-7, PARTIAL		EA							
0145	0425 2 61	1.000		7,637.15000	7,637.15				
MANHOLES, P-8, <10'		EA							
0150	0425 5 1	11.000		760.50000	8,365.50				
MANHOLE, ADJUST, UTILITIES		EA							
0155	0425 6	20.000		643.50000	12,870.00				
VALVE BOXES, ADJUST		EA							
0160	0430175118	2,011.000		149.57000	300,785.27				
PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD		LF							
0165	0430175124	84.000		149.09000	12,523.56				
PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD		LF							





Tabulation of Bids

Letting: CT220727 July 27, 2022 Call Order: 006 Contract: T4626

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(7) UAG CONSTRUCTION LLC					
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0215 0999 25 INITIAL CONTINGENCY AMOUNT, DO NOT BID 44157315201		(1.000) LS	50,000.00000	50,000.00				
0220 0999 26 LOCAL AGENCY INITIAL CONTINGENCY AMOUNT (DO NOT BID) 44157315202		(1.000) LS	1,968.00000	1,968.00				
0225 1080 21500 UTILITY FIXTURE, VALVE/METER BOX, ADJUST		14.000 EA	643.50000	9,009.00				
0230 1644700 FIRE HYDRANT, ADJUST & MODIFY		3.000 EA	5,850.00000	17,550.00				
0001 Roadway Section Totals:				\$3,131,246.24				

SECTION: 0002 Signing								
0235 0700 1 11 SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF		16.000 AS	577.50000	9,240.00				
0240 0700 1 50 SINGLE POST SIGN, RELOCATE		4.000 AS	1,785.00000	7,140.00				
0245 0700 1 60 SINGLE POST SIGN, REMOVE		13.000 AS	57.75000	750.75				



Tabulation of Bids

Letting: CT220727		July 27, 2022		Call Order: 006		Contract: T4626			
Line No / Item ID	Alternate	Quantity	(7) UAG CONSTRUCTION LLC						
Item Description			Units	Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
<i>( ) indicates item is bid as Lump Sum</i>									
SECTION: 0002		Signing							
0250	0700 3101	2.000		399.00000	798.00				
SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF			EA						
0255	0706 1 3	238.000		3.78000	899.64				
RAISED PAVEMENT MARKER, TYPE B			EA						
0260	0710 90	(1.000)		7,730.48000	7,730.48				
PAINTED PAVEMENT MARKINGS, FINAL SURFACE 44157315201			LS						
0265	0711 11123	1,086.000		1.89000	2,052.54				
THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDAABOUT			LF						
0270	0711 11125	317.000		3.78000	1,198.26				
THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK			LF						
0275	0711 11141	0.123		1,522.50000	187.27				
THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"			GM						
0280	0711 11160	2.000		210.00000	420.00				
THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL			EA						
0285	0711 11170	22.000		105.00000	2,310.00				
THERMOPLASTIC, STANDARD, WHITE, ARROW			EA						



Tabulation of Bids

Letting: CT220727 July 27, 2022 Call Order: 006 Contract: T4626

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(7) UAG CONSTRUCTION LLC					
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0002 Signing								
0290 0711 11224 THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON		194.000 LF	2.84000	550.96				
0295 0711 14160 THERMOPLASTIC, PREFORMED, WHITE, MESSAGE		14.000 EA	892.50000	12,495.00				
0300 0711 16101 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"		0.797 GM	4,551.76000	3,627.75				
0305 0711 16201 THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"		1.501 GM	4,551.76000	6,832.19				
0310 0920714100 GREEN COLORED PAVEMENT MARKINGS, BIKE LANE		13,044.000 SF	7.50000	97,830.00				
0002 Signing Section Totals:				\$154,062.84				

SECTION: 0003 Signalization								
0315 0630 2 11 CONDUIT, FURNISH & INSTALL, OPEN TRENCH		28.000 LF	64.05000	1,793.40				
0320 0632 7 1 SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL		1.000 PI	7,651.35000	7,651.35				





Tabulation of Bids

Letting: CT220727 July 27, 2022 Call Order: 006 Contract: T4626

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(7) UAG CONSTRUCTION LLC					
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0003 Signalization								
0325 0632 7 6 SIGNAL CABLE, REMOVE- INTERSECTION		1.000 PI	785.40000	785.40				
0330 0635 2 11 PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE		3.000 EA	1,487.15000	4,461.45				
0335 0646 1 12 ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST		2.000 EA	2,473.80000	4,947.60				
0340 0653 1 11 PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY		4.000 AS	1,547.70000	6,190.80				
0345 0653 1 60 PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN		4.000 AS	97.91000	391.64				
0350 0665 1 12 PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE		4.000 EA	2,338.88000	9,355.52				
0355 0665 1 60 PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN		4.000 EA	97.91000	391.64				
0003 Signalization Section Totals:				\$35,968.80				



Florida Department of Transportation

Issue B  
Exhibit B

07/27/2022

Tabulation of Bids

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Letting: CT220727		July 27, 2022	Call Order: 006		Contract: T4626			
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(7) UAG CONSTRUCTION LLC					
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
Contract Grand Totals:				\$3,321,277.88				



Florida Department of Transportation

Issue B  
Exhibit B

07/27/2022

Tabulation of Bids

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Letting: CT220727 July 27, 2022 Call Order: 006 Contract: T4626

*NOTE: Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.*

Certified in accordance with Code of Federal Regulations Title 23, Chapter 1, Subchapter G, Subsection 635.113(b).

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*Alan D. Autry*  
Manager, Contracts Administration Office

08/08/2022



Vendor Ranking

Letting:	CT221005	October 05, 2022 10:30 AM	Call Order: 008	Contract:	T5764
District:	District 5		Counties: BREVARD	Fed Aid No:	D522004B
Contract Time:	260 AVAILABLE DAYS			Project(s):	44581315201 (*)
Contract Desc:	SR 518				44583515201

Rank	Vendor	Bid Type	Bid Status	Total Bid	Percent Of Low Bid
1	CARR CONSTRUCTION, LLC	Responsive	Winning bid	\$2,470,270.20	100.00%
2	RANGER CONSTRUCTION INDUSTRIES, INC.	Responsive	Non-Winning Bid	\$3,475,443.49	140.69%

NOTE: Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.



Tabulation of Bids

Letting: CT221005 October 05, 2022 Call Order: 008 Contract: T5764  
 District: District 5 Counties: BREVARD Fed Aid No: D522004B  
 Contract Time: 260 AVAILABLE DAYS Project(s): 44581315201 (\*)  
 Contract Descr: SR 518 44583515201

The improvements under this contract consist of milling and resurfacing, drainage improvements, curb & gutter, traffic signals, highway signing, sidewalks and other incidental construction on SR 518.

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) CARR CONSTRUCTION, LLC		(2) RANGER CONSTRUCTION INDUSTRIES, INC.			
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0005 0101 1 MOBILIZATION 44581315201		(1.000) LS	78,349.00000	78,349.00	169,000.00000	169,000.00		
0010 0101 1 MOBILIZATION 44583515201		(1.000) LS	75,749.00000	75,749.00	169,000.00000	169,000.00		
0015 0102 1 MAINTENANCE OF TRAFFIC 44581315201		(260.000) DA (LS)	54,943.00000	54,943.00	431,500.00000	431,500.00		
0020 0102 1 MAINTENANCE OF TRAFFIC 44583515201		(260.000) DA (LS)	54,943.00000	54,943.00	430,246.00000	430,246.00		
0025 0102 4 1 PEDESTRIAN OR BICYCLE SPECIAL DETOUR 44581315201		(42.000) SY (LS)	11,835.00000	11,835.00	35,000.00000	35,000.00		
0030 0102 4 1 PEDESTRIAN OR BICYCLE SPECIAL DETOUR 44583515201		(40.000) SY (LS)	11,835.00000	11,835.00	35,000.00000	35,000.00		
0035 0102 14 TRAFFIC CONTROL OFFICER		548.000 HR	52.00000	28,496.00	113.30000	62,088.40		



Tabulation of Bids

Letting: CT221005		October 05, 2022		Call Order: 008		Contract: T5764		
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) CARR CONSTRUCTION, LLC		(2) RANGER CONSTRUCTION INDUSTRIES, INC.			
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0040 0102 25100 PEDESTRIAN ESCORT OPERATION		524.000 HR	131.00000	68,644.00	61.10000	32,016.40		
0045 0102 60 WORK ZONE SIGN		16,039.000 ED	0.20000	3,207.80	0.25000	4,009.75		
0050 0102 71 13 TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE		144.000 LF	54.00000	7,776.00	73.30000	10,555.20		
0055 0102 74 1 CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD		22,090.000 ED	0.10000	2,209.00	0.10000	2,209.00		
0060 0102 74 8 CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)		148,872.000 FD	0.04000	5,954.88	0.05000	7,443.60		
0065 0102 76 ARROW BOARD / ADVANCE WARNING ARROW PANEL		1,006.000 ED	4.70000	4,728.20	6.65000	6,689.90		
0070 0102 99 PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY		1,354.000 ED	9.60000	12,998.40	12.00000	16,248.00		
0075 0102104 TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION		520.000 ED	90.00000	46,800.00	35.35000	18,382.00		



Tabulation of Bids

Letting: CT221005		October 05, 2022		Call Order: 008		Contract: T5764		
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) CARR CONSTRUCTION, LLC		(2) RANGER CONSTRUCTION INDUSTRIES, INC.			
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0080 0102107 1		520.000	18.00000	9,360.00	26.40000	13,728.00		
TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION		ED						
0085 0102115		362.000	0.30000	108.60	0.30000	108.60		
TYPE III BARRICADE		ED						
0090 0102150 2		382.000	4.70000	1,795.40	6.65000	2,540.30		
RADAR SPEED DISPLAY UNIT		ED						
0095 0102913 21		2.087	21,760.00000	45,413.12	18,600.00000	38,818.20		
REMOVABLE TAPE, WHITE, SOLID 6"		GM						
0100 0104 10 3		1,015.000	7.50000	7,612.50	6.15000	6,242.25		
SEDIMENT BARRIER		LF						
0105 0104 18		11.000	52.00000	572.00	348.50000	3,833.50		
INLET PROTECTION SYSTEM		EA						
0110 0107 1		3.150	999.00000	3,146.85	730.00000	2,299.50		
LITTER REMOVAL		AC						
0115 0107 2		1.180	889.00000	1,049.02	1,390.00000	1,640.20		
MOWING		AC						
0120 0110 1 1		(0.040)	6,986.00000	6,986.00	3,700.00000	3,700.00		
CLEARING & GRUBBING 44581315201		AC (LS)						



Tabulation of Bids

Letting: CT221005		October 05, 2022		Call Order: 008		Contract: T5764			
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) CARR CONSTRUCTION, LLC		(2) RANGER CONSTRUCTION INDUSTRIES, INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001 Roadway									
0125 0110 1 1 CLEARING & GRUBBING 44583515201		(0.060) AC (LS)	4,901.00000	4,901.00	3,700.00000	3,700.00			
0130 0110 4 10 REMOVAL OF EXISTING CONCRETE		880.000 SY	50.00000	44,000.00	31.70000	27,896.00			
0135 0120 6 EMBANKMENT		45.600 CY	85.00000	3,876.00	190.10000	8,668.56			
0140 0160 4 TYPE B STABILIZATION		7.000 SY	407.00000	2,849.00	113.80000	796.60			
0145 0285705 OPTIONAL BASE, BASE GROUP 05		7.000 SY	407.00000	2,849.00	507.50000	3,552.50			
0150 0327 70 5 MILLING EXISTING ASPHALT PAVEMENT, 2" AVG DEPTH		5,916.000 SY	9.60000	56,793.60	11.70000	69,217.20			
0155 0334 1 13 SUPERPAVE ASPHALTIC CONC, TRAFFIC C		1.200 TN	1,809.00000	2,170.80	2,710.00000	3,252.00			
0160 0337 7 83 ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22		665.200 TN	283.00000	188,251.60	337.00000	224,172.40			
0165 0425 1351 INLETS, CURB, TYPE P-5, <10'		1.000 EA	10,426.00000	10,426.00	13,300.00000	13,300.00			





Tabulation of Bids

Letting: CT221005		October 05, 2022		Call Order: 008		Contract: T5764		
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) CARR CONSTRUCTION, LLC		(2) RANGER CONSTRUCTION INDUSTRIES, INC.			
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0170 0425 5 MANHOLE, ADJUST		11.000 EA	704.00000	7,744.00	900.00000	9,900.00		
0175 0425 6 VALVE BOXES, ADJUST		1.000 EA	521.00000	521.00	666.50000	666.50		
0180 0430175118 PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD		4.000 LF	1,460.00000	5,840.00	1,870.00000	7,480.00		
0185 0515 1 1 PIPE HANDRAIL - GUIDERAIL, STEEL		120.000 LF	118.00000	14,160.00	170.10000	20,412.00		
0190 0519 78 BOLLARDS		4.000 EA	2,262.00000	9,048.00	3,560.00000	14,240.00		
0195 0520 1 7 CONCRETE CURB & GUTTER, TYPE E		457.000 LF	59.00000	26,963.00	50.50000	23,078.50		
0200 0520 1 10 CONCRETE CURB & GUTTER, TYPE F		628.000 LF	56.00000	35,168.00	46.30000	29,076.40		
0205 0520 2 2 CONCRETE CURB, TYPE B		130.000 LF	60.00000	7,800.00	50.90000	6,617.00		
0210 0522 2 CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK		923.000 SY	104.00000	95,992.00	146.70000	135,404.10		



Tabulation of Bids

Letting:		CT221005		October 05, 2022		Call Order: 008		Contract: T5764	
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) CARR CONSTRUCTION, LLC		(2) RANGER CONSTRUCTION INDUSTRIES, INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001 Roadway									
0215 0527 2		336.000	33.00000	11,088.00	60.70000	20,395.20			
DETECTABLE WARNINGS		SF							
0220 0570 1 2		195.000	54.00000	10,530.00	28.35000	5,528.25			
PERFORMANCE TURF, SOD		SY							
0225 0706 1 3		55.000	5.20000	286.00	6.65000	365.75			
RAISED PAVEMENT MARKER, TYPE B		EA							
0230 0710 11123		1,430.000	0.80000	1,144.00	3.75000	5,362.50			
PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"		LF							
0235 0710 11125		248.000	1.60000	396.80	7.45000	1,847.60			
PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"		LF							
0240 0710 11170		2.000	36.00000	72.00	66.70000	133.40			
PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS		EA							
0245 0999 25		(1.000)	50,000.00000	50,000.00	50,000.00000	50,000.00			
INITIAL CONTINGENCY AMOUNT, DO NOT BID 44581315201		LS							
0250 0999 25		(1.000)	38,750.00000	38,750.00	38,750.00000	38,750.00			
INITIAL CONTINGENCY AMOUNT, DO NOT BID 44583515201		LS							



Tabulation of Bids

Letting: CT221005 October 05, 2022 Call Order: 008 Contract: T5764

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) CARR CONSTRUCTION, LLC		(2) RANGER CONSTRUCTION INDUSTRIES, INC.			
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount

SECTION: 0001 Roadway

0001 Roadway Section Totals: \$1,176,131.57 \$2,226,111.26

SECTION: 0002 Signing

0255	0700 1 11	10.000	516.00000	5,160.00	800.00000	8,000.00		
	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS						
0260	0700 1 50	8.000	182.00000	1,456.00	500.00000	4,000.00		
	SINGLE POST SIGN, RELOCATE	AS						
0265	0700 1 60	6.000	21.00000	126.00	53.30000	319.80		
	SINGLE POST SIGN, REMOVE	AS						
0270	0700 3401	6.000	219.00000	1,314.00	500.00000	3,000.00		
	SIGN PANEL, INSTALL, UP TO 12 SF	EA						
0275	0700 3501	2.000	182.00000	364.00	240.00000	480.00		
	SIGN PANEL, RELOCATE, UP TO 12 SF	EA						
0280	0700 3601	12.000	21.00000	252.00	53.30000	639.60		
	SIGN PANEL, REMOVE, UP TO 12 SF	EA						
0285	0705 10 1	4.000	313.00000	1,252.00	166.70000	666.80		
	OBJECT MARKER, TYPE 1	EA						



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0002 Signing									
0290 0705 10 4 OBJECT MARKER, TYPE 4		3.000 EA	313.00000	939.00	333.50000	1,000.50			
0295 0706 1 3 RAISED PAVEMENT MARKER, TYPE B		110.000 EA	5.20000	572.00	6.65000	731.50			
0300 0710 11290 PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE		21.000 SF	5.20000	109.20	5.35000	112.35			
0305 0710 12290 PAINTED PAVEMENT MARKINGS, DURABLE PAINT, YELLOW, ISLAND NOSE		48.000 SF	8.30000	398.40	6.65000	319.20			
0310 0710 90 PAINTED PAVEMENT MARKINGS, FINAL SURFACE 44581315201		(1.000) LS	1,877.00000	1,877.00	6,400.00000	6,400.00			
0315 0710 90 PAINTED PAVEMENT MARKINGS, FINAL SURFACE 44583515201		(1.000) LS	1,877.00000	1,877.00	6,000.00000	6,000.00			
0320 0711 11123 THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDBOUT		1,131.000 LF	2.10000	2,375.10	5.35000	6,050.85			
0325 0711 11125 THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK		317.000 LF	5.20000	1,648.40	10.65000	3,376.05			



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0002 Signing								
0330 0711 11141		0.040	2,867.00000	114.68	4,670.00000	186.80		
THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"		GM						
0335 0711 11170		10.000	94.00000	940.00	133.30000	1,333.00		
THERMOPLASTIC, STANDARD, WHITE, ARROW		EA						
0340 0711 11241		0.122	2,256.00000	275.23	4,590.00000	559.98		
THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"		GM						
0345 0711 14125		975.000	34.00000	33,150.00	29.35000	28,616.25		
THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK		LF						
0350 0711 16101		0.302	6,214.00000	1,876.63	7,950.00000	2,400.90		
THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"		GM						
0355 0711 16131		0.048	2,389.00000	114.67	3,890.00000	186.72		
THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP		GM						
0360 0711 16201		0.099	6,319.00000	625.58	7,270.00000	719.73		
THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"		GM						
0002 Signing Section Totals:				\$56,816.89		\$75,100.03		



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0365 0121 70		3.200	359.00000	1,148.80	1,770.00000	5,664.00			
FLOWABLE FILL		CY							
0370 0611 1 1		0.072	15,638.00000	1,125.94	2,400.00000	172.80			
ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH		MI							
0375 0611 2 1		1.000	1,877.00000	1,877.00	2,470.00000	2,470.00			
ITSFM LOCATION DOCUMENTATION- INTERSECTION		EA							
0380 0630 2 11		705.000	26.00000	18,330.00	36.20000	25,521.00			
CONDUIT, FURNISH & INSTALL, OPEN TRENCH		LF							
0385 0630 2 12		640.000	52.00000	33,280.00	62.60000	40,064.00			
CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE		LF							
0390 0630 2 14		50.000	57.00000	2,850.00	55.00000	2,750.00			
CONDUIT, FURNISH & INSTALL, ABOVEGROUND		LF							
0395 0632 7 1		2.000	13,800.00000	27,600.00	12,600.00000	25,200.00			
SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL		PI							
0400 0632 7 6		2.000	1,574.00000	3,148.00	1,130.00000	2,260.00			
SIGNAL CABLE, REMOVE- INTERSECTION		PI							



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0405 0633 1121 FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS		810.000 LF	4.40000	3,564.00	3.65000	2,956.50			
0410 0633 2 31 FIBER OPTIC CONNECTION, INSTALL, SPLICE		24.000 EA	42.00000	1,008.00	65.90000	1,581.60			
0415 0633 3 12 FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY		1.000 EA	52.00000	52.00	107.00000	107.00			
0420 0633 3 15 FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL		1.000 EA	2,080.00000	2,080.00	617.50000	617.50			
0425 0633 6 FIBER OPTIC CABLE LOCATOR		260.000 DA	25.00000	6,500.00	90.60000	23,556.00			
0430 0635 2 11 PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE		41.000 EA	1,872.00000	76,752.00	2,640.00000	108,240.00			
0435 0639 1112 ELECTRICAL POWER SERVICE, F&I, OVERHEAD METER PURCHASED BY CONTRACTOR FROM POWER COMPANY		1.000 AS	3,967.00000	3,967.00	5,610.00000	5,610.00			
0440 0639 2 1 ELECTRICAL SERVICE WIRE, FURNISH & INSTALL		165.000 LF	10.00000	1,650.00	6.20000	1,023.00			



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0445 0639 3 11 ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT		1.000 EA	2,146.00000	2,146.00	2,410.00000	2,410.00			
0450 0639 3 12 ELECTRICAL SERVICE DISCONNECT, F&I, CABINET		1.000 EA	2,146.00000	2,146.00	2,410.00000	2,410.00			
0455 0641 2 12 PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE		1.000 EA	2,174.00000	2,174.00	1,760.00000	1,760.00			
0460 0641 2 80 PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- POLE 30' AND GREATER		3.000 EA	7,077.00000	21,231.00	7,190.00000	21,570.00			
0465 0646 1 11 ALUMINUM SIGNALS POLE, PEDESTAL		16.000 EA	3,190.00000	51,040.00	4,340.00000	69,440.00			
0470 0649 21 6 STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'		2.000 EA	99,021.00000	198,042.00	86,700.00000	173,400.00			
0475 0649 21 10 STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'		1.000 EA	99,031.00000	99,031.00	92,300.00000	92,300.00			
0480 0649 21 15 STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'		2.000 EA	101,000.00000	202,000.00	99,900.00000	199,800.00			





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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0485 0649 26 3		1.000	8,000.00000	8,000.00	8,590.00000	8,590.00			
STEEL MAST ARM ASSEMBLY, REMOVE, SHALLOW FOUNDATION- BOLT ON ATTACHMENT		EA							
0490 0650 1 14		15.000	2,329.00000	34,935.00	1,730.00000	25,950.00			
VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY		AS							
0495 0650 1 16		2.000	2,492.00000	4,984.00	2,130.00000	4,260.00			
VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY		AS							
0500 0650 2109		7.000	1,051.00000	7,357.00	470.00000	3,290.00			
VEHICULAR SIGNAL AUXILIARIES, REPAIR/REPLACE/RETROFIT- FURNISH & INSTALL, BACKPLATE- FLEXIBLE REQUIRED		EA							
0505 0653 1 11		16.000	1,073.00000	17,168.00	1,080.00000	17,280.00			
PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY		AS							
0510 0653 1 60		8.000	66.00000	528.00	70.40000	563.20			
PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN		AS							
0515 0660 1109		8.000	603.00000	4,824.00	494.00000	3,952.00			
LOOP DETECTOR INDUCTIVE, F&I, TYPE 9		EA							
0520 0660 2106		12.000	1,547.00000	18,564.00	1,700.00000	20,400.00			
LOOP ASSEMBLY, F&I, TYPE F		AS							



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0003 Signalization								
0525 0660 4 11 VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT		2.000 EA	45,000.00000	90,000.00	10,200.00000	20,400.00		
0530 0660 4 12 VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT		6.000 EA	5,500.00000	33,000.00	7,170.00000	43,020.00		
0535 0663 1121 SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, REPLACE CABINET ELECTRONICS		1.000 EA	10,044.00000	10,044.00	8,750.00000	8,750.00		
0540 0663 1122 SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, DETECTOR		1.000 EA	13,106.00000	13,106.00	8,530.00000	8,530.00		
0545 0665 1 12 PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE		16.000 EA	1,861.00000	29,776.00	734.50000	11,752.00		
0550 0665 1 60 PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN		8.000 EA	33.00000	264.00	35.20000	281.60		
0555 0670 5111 TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION		1.000 AS	65,702.00000	65,702.00	48,200.00000	48,200.00		
0560 0670 5500 TRAFFIC CONTROLLER ASSEMBLY, RELOCATE CONTROLLER WITH CABINET		1.000 AS	6,379.00000	6,379.00	3,380.00000	3,380.00		



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0565 0671 2 40		2.000	1,049.00000	2,098.00	3,880.00000	7,760.00			
TRAFFIC CONTROLLER, MODIFY		EA							
0570 0671 2 60		1.000	787.00000	787.00	1,130.00000	1,130.00			
TRAFFIC CONTROLLER, REMOVE-CABINET TO REMAIN		EA							
0575 0682 1113		1.000	8,609.00000	8,609.00	10,200.00000	10,200.00			
ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION		EA							
0580 0684 1 1		1.000	4,173.00000	4,173.00	3,750.00000	3,750.00			
MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL		EA							
0585 0700 5 22		5.000	9,898.00000	49,490.00	5,900.00000	29,500.00			
INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF		EA							
0590 0700 11391		8.000	6,732.00000	53,856.00	7,920.00000	63,360.00			
ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF		AS							
0595 0715 5 31		5.000	2,187.00000	10,935.00	3,810.00000	19,050.00			
LUMINAIRE & BRACKET ARM-ALUMINUM, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE		EA							



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Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) CARR CONSTRUCTION, LLC		(2) RANGER CONSTRUCTION INDUSTRIES, INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003		Signalization							
0003 Signalization		Section Totals:		\$1,237,321.74		\$1,174,232.20			
Contract Grand Totals:				\$2,470,270.20		\$3,475,443.49			



Florida Department of Transportation

Issue B  
Exhibit B

10/13/2022

Tabulation of Bids

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Letting: CT221005 October 05, 2022 Call Order: 008 Contract: T5764

NOTE: Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.

Certified in accordance with Code of Federal Regulations Title 23, Chapter 1, Subchapter G, Subsection 635.113(b).

*Alan D. Autry*  
\_\_\_\_\_  
Manager, Contracts Administration Office

10/14/2022



Vendor Ranking

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Letting: CT221005    October 05, 2022 10:30 AM    Call Order: 011    Contract: T5768  
District: District 5    Counties: MARION    Fed Aid No: D522024B  
Contract Time: 270 AVAILABLE DAYS    Project(s): 44570115201 (\*)  
Contract Desc: SR 25 (HAMES RD)

Rank	Vendor	Bid Type	Bid Status	Total Bid	Percent Of Low Bid
1	C.W. ROBERTS CONTRACTING, INC.	Responsive	Winning bid	\$3,048,767.88	100.00%
2	CHINCHOR ELECTRIC INC.	Responsive	Non-Winning Bid	\$3,258,324.38	106.87%

NOTE: Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.



Tabulation of Bids

Letting: CT221005 October 05, 2022 Call Order: 011 Contract: T5768  
 District: District 5 Counties: MARION Fed Aid No: D522024B  
 Contract Time: 270 AVAILABLE DAYS Project(s): 44570115201 (\*)  
 Contract Descr: SR 25 (HAMES RD)

The improvements under this contract consist of providing crash reduction counter measures at the intersection of SR 25 (Hames Rd.). The existing free flow right turn lane will be removed and replaced with a right turn lane. SR 500 will be widened to accommodate a 4' traffic separator. Milling, resurfacing, drainage structures, signing and pavement markings and mast arms are also a part of this project.

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.			
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0005 0101 1 MOBILIZATION 44570115201		(1.000) LS	275,210.00000	275,210.00	434,598.00000	434,598.00		
0010 0102 1 MAINTENANCE OF TRAFFIC 44570115201		(270.000) DA (LS)	616,042.00000	616,042.00	369,058.00000	369,058.00		
0015 0102 3 COMMERCIAL MATERIAL FOR TEMPORARY DRIVEWAY MAINTENANCE		8.100 CY	400.00000	3,240.00	350.30000	2,837.43		
0020 0102 4 1 PEDESTRIAN OR BICYCLE SPECIAL DETOUR 44570115201		(179.000) SY (LS)	3,500.00000	3,500.00	26,216.00000	26,216.00		
0025 0102 60 WORK ZONE SIGN		5,856.000 ED	0.23000	1,346.88	0.34000	1,991.04		
0030 0102 61 BUSINESS SIGN		29.000 EA	35.50000	1,029.50	33.90000	983.10		



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001 Roadway									
0035 0102 74 1		28,681.000	0.11000	3,154.91	0.17000	4,875.77			
CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD									
		ED							
0040 0102 74 8		27,534.000	0.04000	1,101.36	0.11000	3,028.74			
CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)									
		FD							
0045 0102 76		251.000	5.90000	1,480.90	6.78000	1,701.78			
ARROW BOARD / ADVANCE WARNING ARROW PANEL									
		ED							
0050 0102 99		905.000	10.65000	9,638.25	13.56000	12,271.80			
PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY									
		ED							
0052 0102104		270.000	56.00000	15,120.00	38.42000	10,373.40			
TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION									
		ED							
0055 0102107 1		270.000	1.15000	310.50	42.23000	11,402.10			
TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION									
		ED							
0060 0102115		465.000	0.30000	139.50	0.57000	265.05			
TYPE III BARRICADE									
		ED							
0065 0104 10 3		1,070.000	3.00000	3,210.00	5.65000	6,045.50			
SEDIMENT BARRIER									
		LF							





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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001		Roadway							
0070 0104 18		6.000	350.00000	2,100.00	203.40000	1,220.40			
INLET PROTECTION SYSTEM		EA							
0075 0107 1		4.470	360.00000	1,609.20	565.00000	2,525.55			
LITTER REMOVAL		AC							
0080 0107 2		0.780	1,800.00000	1,404.00	1,695.00000	1,322.10			
MOWING		AC							
0085 0110 1 1		(0.780)	296,452.00000	296,452.00	144,414.00000	144,414.00			
CLEARING & GRUBBING 44570115201		AC (LS)							
0090 0110 4 10		1,083.000	39.45000	42,724.35	35.03000	37,937.49			
REMOVAL OF EXISTING CONCRETE		SY							
0095 0110 7 1		1.000	400.00000	400.00	339.00000	339.00			
MAILBOX, F&I SINGLE		EA							
0100 0120 1		240.800	118.00000	28,414.40	88.14000	21,224.11			
REGULAR EXCAVATION		CY							
0105 0120 6		196.000	92.00000	18,032.00	88.14000	17,275.44			
EMBANKMENT		CY							
0110 0160 4		1,221.000	50.00000	61,050.00	55.37000	67,606.77			
TYPE B STABILIZATION		SY							



Tabulation of Bids

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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0115 0285710		1,027.000	105.00000	107,835.00	136.73000	140,421.71		
OPTIONAL BASE, BASE GROUP 10		SY						
0120 0327 70 6		7,739.000	7.50000	58,042.50	5.93000	45,892.27		
MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH		SY						
0125 0334 1 13		15.800	1,125.00000	17,775.00	655.40000	10,355.32		
SUPERPAVE ASPHALTIC CONC, TRAFFIC C		TN						
0130 0334 1 53		130.100	425.00000	55,292.50	395.50000	51,454.55		
SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22		TN						
0135 0337 7 83		716.500	211.54000	151,568.41	250.86000	179,741.19		
ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22		TN						
0140 0339 1		8.100	1,000.00000	8,100.00	621.50000	5,034.15		
MISCELLANEOUS ASPHALT PAVEMENT		TN						
0145 0425 1311		1.000	15,650.00000	15,650.00	35,934.00000	35,934.00		
INLETS, CURB, TYPE P-1, <10'		EA						
0150 0425 1321		2.000	12,900.00000	25,800.00	17,356.80000	34,713.60		
INLETS, CURB, TYPE P-2, <10'		EA						
0155 0425 1351		1.000	17,000.00000	17,000.00	17,356.80000	17,356.80		
INLETS, CURB, TYPE P-5, <10'		EA						



Tabulation of Bids

Letting:		CT221005		October 05, 2022		Call Order: 011		Contract: T5768	
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001		Roadway							
0165 0425 1411		1.000	23,350.00000	23,350.00	64,138.80000	64,138.80			
INLETS, CURB TYPE J-1, <10'		EA							
0170 0425 1521		2.000	8,500.00000	17,000.00	17,402.00000	34,804.00			
INLETS, DT BOT, TYPE C, <10'		EA							
0175 0425 1561		1.000	9,425.00000	9,425.00	17,402.00000	17,402.00			
INLETS, DT BOT, TYPE F, <10'		EA							
0180 0425 1711		1.000	15,900.00000	15,900.00	35,934.00000	35,934.00			
INLETS, GUTTER, TYPE V, <10'		EA							
0185 0425 2 61		3.000	11,825.00000	35,475.00	51,076.00000	153,228.00			
MANHOLES, P-8, <10'		EA							
0190 0425 2 63		1.000	9,850.00000	9,850.00	14,916.00000	14,916.00			
MANHOLES, P-8, PARTIAL		EA							
0200 0425 5 1		4.000	1,615.00000	6,460.00	3,390.00000	13,560.00			
MANHOLE, ADJUST, UTILITIES		EA							
0205 0430175115		61.000	240.00000	14,640.00	483.64000	29,502.04			
PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD		LF							
0210 0430175118		404.000	150.00000	60,600.00	327.70000	132,390.80			
PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD		LF							



Tabulation of Bids

Letting:		CT221005		October 05, 2022		Call Order: 011		Contract: T5768	
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001 Roadway									
0215 0520 1 10 CONCRETE CURB & GUTTER, TYPE F		1,083.000 LF	60.00000	64,980.00	83.62000	90,560.46			
0220 0520 2 1 CONCRETE CURB, TYPE A		123.000 LF	75.00000	9,225.00	88.14000	10,841.22			
0225 0520 2 2 CONCRETE CURB, TYPE B		349.000 LF	35.00000	12,215.00	88.14000	30,760.86			
0230 0520 3 VALLEY GUTTER- CONCRETE		134.000 LF	55.00000	7,370.00	93.79000	12,567.86			
0235 0520 5 11 TRAFFIC SEPARATOR CONCRETE- TYPE I, 4' WIDE		385.000 LF	60.00000	23,100.00	167.24000	64,387.40			
0240 0522 1 CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK		541.000 SY	100.00000	54,100.00	115.26000	62,355.66			
0245 0522 2 CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK		462.000 SY	120.00000	55,440.00	128.82000	59,514.84			
0250 0527 2 DETECTABLE WARNINGS		130.000 SF	40.00000	5,200.00	30.51000	3,966.30			
0255 0570 1 2 PERFORMANCE TURF, SOD		597.000 SY	7.70000	4,596.90	22.60000	13,492.20			



Tabulation of Bids

Letting: CT221005		October 05, 2022		Call Order: 011		Contract: T5768			
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001 Roadway									
0260 0710 11101 PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"		0.525 GM	1,750.00000	918.75	1,695.00000	889.88			
0265 0710 11123 PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"		1,071.000 LF	1.40000	1,499.40	1.36000	1,456.56			
0270 0710 11125 PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"		712.000 LF	1.65000	1,174.80	1.58000	1,124.96			
0275 0710 11131 PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE		0.186 GM	530.00000	98.58	508.50000	94.58			
0280 0710 11141 PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"		0.228 GM	685.00000	156.18	678.00000	154.58			
0285 0710 11160 PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL		9.000 EA	40.00000	360.00	39.55000	355.95			
0290 0710 11170 PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS		14.000 EA	40.00000	560.00	39.55000	553.70			



Tabulation of Bids

Letting: CT221005 October 05, 2022 Call Order: 011 Contract: T5768

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.			
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0295 0710 11201 PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"		0.402 GM	1,750.00000	703.50	1,695.00000	681.39		
0300 0710 11224 PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"		158.000 LF	1.55000	244.90	1.47000	232.26		
0305 0710 11231 PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 6"		0.086 GM	480.00000	41.28	508.50000	43.73		
0310 0710 11241 PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"		0.082 GM	690.00000	56.58	678.00000	55.60		
0315 0999 25 INITIAL CONTINGENCY AMOUNT, DO NOT BID		(1.000) LS	50,000.00000	50,000.00	50,000.00000	50,000.00		
0001 Roadway Section Totals:				\$2,328,514.03		\$2,600,381.79		

SECTION: 0002 Signing								
0320 0700 1 11 SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF		5.000 AS	650.00000	3,250.00	960.50000	4,802.50		
0325 0700 1 12 SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF		2.000 AS	1,500.00000	3,000.00	2,712.00000	5,424.00		



Tabulation of Bids

Letting:		CT221005		October 05, 2022		Call Order: 011		Contract: T5768	
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0002 Signing									
0330 0700 1 50 SINGLE POST SIGN, RELOCATE		10.000 AS	550.00000	5,500.00	791.00000	7,910.00			
0335 0700 1 60 SINGLE POST SIGN, REMOVE		5.000 AS	45.00000	225.00	56.50000	282.50			
0337 0700 2 50 MULTI- POST SIGN, GROUND MOUNT, RELOCATE		1.000 AS	7,500.00000	7,500.00	8,475.00000	8,475.00			
0340 0706 1 3 RAISED PAVEMENT MARKER, TYPE B		165.000 EA	4.25000	701.25	4.24000	699.60			
0345 0710 11290 PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE		14.000 SF	5.50000	77.00	5.65000	79.10			
0350 0710 90 PAINTED PAVEMENT MARKINGS, FINAL SURFACE 44570115201		(1.000) LS	5,100.00000	5,100.00	4,906.46000	4,906.46			
0355 0711 11123 THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDBOUT		1,071.000 LF	3.00000	3,213.00	2.94000	3,148.74			
0360 0711 11125 THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK		712.000 LF	6.00000	4,272.00	5.88000	4,186.56			



Tabulation of Bids

Letting:		CT221005		October 05, 2022		Call Order: 011		Contract: T5768	
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0002 Signing									
0365	0711 11141	0.228	2,700.00000	615.60	2,687.14000	612.67			
THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"									
0370	0711 11170	14.000	53.00000	742.00	50.85000	711.90			
THERMOPLASTIC, STANDARD, WHITE, ARROW									
0375	0711 11224	158.000	4.60000	726.80	4.41000	696.78			
THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON									
0380	0711 11241	0.082	2,700.00000	221.40	2,687.14000	220.35			
THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"									
0385	0711 14160	5.000	290.00000	1,450.00	276.85000	1,384.25			
THERMOPLASTIC, PREFORMED, WHITE, MESSAGE									
0390	0711 14170	4.000	130.00000	520.00	123.17000	492.68			
THERMOPLASTIC, PREFORMED, WHITE, ARROW									
0395	0711 16101	0.525	7,400.00000	3,885.00	7,169.85000	3,764.17			
THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"									
0400	0711 16131	0.186	1,800.00000	334.80	1,793.31000	333.56			
THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP									





Tabulation of Bids

Letting: CT221005 October 05, 2022 Call Order: 011 Contract: T5768

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.			
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0002 Signing								
0405 0711 16201 THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"		0.402 GM	7,400.00000	2,974.80	7,169.85000	2,882.28		
0410 0711 16231 THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"		0.086 GM	1,700.00000	146.20	1,793.31000	154.22		
0002 Signing Section Totals:				\$44,454.85		\$51,167.32		

SECTION: 0003 Signalization								
0415 0611 1 1 ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH		0.200 MI	850.00000	170.00	11,300.00000	2,260.00		
0420 0611 2 1 ITSFM LOCATION DOCUMENTATION- INTERSECTION		1.000 EA	1,700.00000	1,700.00	1,356.00000	1,356.00		
0425 0630 2 11 CONDUIT, FURNISH & INSTALL, OPEN TRENCH		147.000 LF	19.50000	2,866.50	24.86000	3,654.42		
0430 0630 2 12 CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE		413.000 LF	45.00000	18,585.00	45.20000	18,667.60		
0435 0632 7 1 SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL		1.000 PI	13,700.00000	13,700.00	11,164.40000	11,164.40		



Tabulation of Bids

Letting:		CT221005		October 05, 2022		Call Order: 011		Contract: T5768	
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0440 0632 7 6 SIGNAL CABLE, REMOVE- INTERSECTION		1.000 PI	1,590.00000	1,590.00	2,440.80000	2,440.80			
0445 0633 1420 FIBER OPTIC CABLE, RELOCATE, UNDERGROUND		67.000 LF	4.75000	318.25	2.94000	196.98			
0450 0633 2 31 FIBER OPTIC CONNECTION, INSTALL, SPLICE		24.000 EA	57.50000	1,380.00	45.20000	1,084.80			
0455 0633 3 12 FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY		1.000 EA	72.25000	72.25	73.45000	73.45			
0460 0633 3 15 FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL		1.000 EA	4,180.00000	4,180.00	508.50000	508.50			
0465 0633 6 FIBER OPTIC CABLE LOCATOR		130.000 DA	360.00000	46,800.00	73.45000	9,548.50			
0470 0635 2 11 PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE		10.000 EA	1,230.00000	12,300.00	2,474.70000	24,747.00			
0475 0635 2 12 PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE		5.000 EA	3,100.00000	15,500.00	4,248.80000	21,244.00			



Tabulation of Bids

Letting:		CT221005		October 05, 2022		Call Order: 011		Contract: T5768	
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0480	0639 1122	1.000	3,600.00000	3,600.00	4,474.80000	4,474.80			
ELECTRICAL POWER SERVICE, F&I, UNDERGROUND. METER PURCHASED BY CONTRACTOR		AS							
0485	0639 1610	1.000	1,300.00000	1,300.00	976.32000	976.32			
ELECTRICAL POWER SERVICE, REMOVE OVERHEAD		AS							
0490	0639 2 1	41.000	8.25000	338.25	4.85000	198.85			
ELECTRICAL SERVICE WIRE, FURNISH & INSTALL		LF							
0495	0639 2 6	41.000	4.75000	194.75	1.46000	59.86			
ELECTRICAL SERVICE WIRE, REMOVE		LF							
0500	0641 2 12	1.000	2,100.00000	2,100.00	2,049.82000	2,049.82			
PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE		EA							
0505	0641 2 60	1.000	315.00000	315.00	650.88000	650.88			
PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE		EA							
0510	0641 2 70	2.000	6,450.00000	12,900.00	8,768.80000	17,537.60			
PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER		EA							
0515	0646 1 11	5.000	2,690.00000	13,450.00	4,166.31000	20,831.55			
ALUMINUM SIGNALS POLE, PEDESTAL		EA							



Tabulation of Bids

Letting:		CT221005		October 05, 2022		Call Order: 011		Contract: T5768	
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0520 0649 21 6 STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'		1.000 EA	70,900.00000	70,900.00	66,059.80000	66,059.80			
0525 0649 21 10 STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'		2.000 EA	77,900.00000	155,800.00	70,918.80000	141,837.60			
0530 0649 21 15 STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'		1.000 EA	91,300.00000	91,300.00	76,794.80000	76,794.80			
0535 0650 1 14 VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY		11.000 AS	1,750.00000	19,250.00	1,530.02000	16,830.22			
0540 0650 1 16 VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY		3.000 AS	2,200.00000	6,600.00	1,792.18000	5,376.54			
0545 0653 1 11 PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY		6.000 AS	990.00000	5,940.00	830.55000	4,983.30			
0550 0653 1 60 PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN		2.000 AS	53.00000	106.00	81.36000	162.72			
0555 0660 4 11 VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT		1.000 EA	19,800.00000	19,800.00	14,861.76000	14,861.76			



Tabulation of Bids

Letting:		CT221005		October 05, 2022		Call Order: 011		Contract: T5768	
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0560	0660 4 12	4.000	9,450.00000	37,800.00	7,842.20000	31,368.80			
VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT		EA							
0565	0660 4 60	1.000	2,130.00000	2,130.00	976.32000	976.32			
VEHICLE DETECTION SYSTEM- VIDEO, REMOVE		EA							
0570	0660 6421	1.000	1,085.00000	1,085.00	2,474.70000	2,474.70			
VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH RELOCATE, CABINET EQUIPMENT		EA							
0575	0660 6422	1.000	1,290.00000	1,290.00	2,757.20000	2,757.20			
VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH RELOCATE, ABOVE GROUND EQUIPMENT		EA							
0580	0665 1 11	6.000	280.00000	1,680.00	326.57000	1,959.42			
PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD		EA							
0585	0665 1 60	2.000	26.50000	53.00	40.68000	81.36			
PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN		EA							
0590	0670 5600	1.000	1,600.00000	1,600.00	1,627.20000	1,627.20			
TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET		AS							
0595	0676 1116	1.000	35,750.00000	35,750.00	29,922.40000	29,922.40			
TRAFFIC SIGNAL CONTROLLER CABINET, FURNISH & INSTALL WITHOUT CONTROLLER, NEMA SIZE6, 44" W X 52" H X 24" D		EA							



Tabulation of Bids

Letting:		CT221005		October 05, 2022		Call Order: 011		Contract: T5768	
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0600 0682 1400 ITS CCTV CAMERA, RELOCATE		2.000 EA	3,700.00000	7,400.00	1,695.00000	3,390.00			
0605 0684 1 4 MANAGED FIELD ETHERNET SWITCH, RELOCATE		2.000 EA	765.00000	1,530.00	847.50000	1,695.00			
0610 0684 6 40 WIRELESS COMMUNICATION DEVICE, RELOCATE		2.000 EA	2,630.00000	5,260.00	1,695.00000	3,390.00			
0615 0685 1 13 UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET		1.000 EA	13,400.00000	13,400.00	10,581.32000	10,581.32			
0620 0685 2 1 REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL		1.000 EA	1,600.00000	1,600.00	2,006.88000	2,006.88			
0625 0700 3101 SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF		1.000 EA	370.00000	370.00	1,102.88000	1,102.88			
0630 0700 3201 SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF		6.000 EA	1,115.00000	6,690.00	1,484.82000	8,908.92			
0635 0700 3601 SIGN PANEL, REMOVE, UP TO 12 SF		1.000 EA	105.00000	105.00	325.44000	325.44			



Tabulation of Bids

Letting:		CT221005		October 05, 2022		Call Order: 011		Contract: T5768	
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) C.W. ROBERTS CONTRACTING, INC.		(2) CHINCHOR ELECTRIC INC.				
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0640 0700 5 22		6.000	4,000.00000	24,000.00	4,465.76000	26,794.56			
INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF		EA							
0645 0920681 9		2.000	5,500.00000	11,000.00	3,390.00000	6,780.00			
CONNECTED VEHICLE ROAD SIDE UNIT, RELOCATE, PROJECT 445701-1- 52-01		EA							
0003 Signalization Section Totals:				\$675,799.00		\$606,775.27			
Contract Grand Totals:				\$3,048,767.88		\$3,258,324.38			



Florida Department of Transportation

Issue B  
Exhibit B

10/13/2022

Tabulation of Bids

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Letting: CT221005    October 05, 2022    Call Order: 011    Contract: T5768

NOTE: Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.

Certified in accordance with Code of Federal Regulations Title 23, Chapter 1, Subchapter G, Subsection 635.113(b).

*Alan D. Autry*  
\_\_\_\_\_  
Manager, Contracts Administration Office

10/14/2022





Vendor Ranking

Letting: CT221005 October 05, 2022 10:30 AM Call Order: 012 Contract: T5769  
District: District 5 Counties: ORANGE Fed Aid No: D521093B  
Contract Time: 300 AVAILABLE DAYS Project(s): 44571515201 (\*)  
Contract Desc: SR 438

Rank	Vendor	Bid Type	Bid Status	Total Bid	Percent Of Low Bid
1	TRAFFIC CONTROL DEVICES, LLC	Responsive	Winning bid	\$1,830,300.00	100.00%
2	HIGHWAY SAFETY DEVICES, INC.	Responsive	Non-Winning Bid	\$2,297,325.53	125.52%
3	RANGER CONSTRUCTION INDUSTRIES, INC.	Responsive	Non-Winning Bid	\$2,346,975.78	128.23%

NOTE: Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.



Tabulation of Bids

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 District: District 5 Counties: ORANGE Fed Aid No: D521093B  
 Contract Time: 300 AVAILABLE DAYS Project(s): 44571515201 (\*)  
 Contract Descr: SR 438

The improvements under this contract consist of milling & resurfacing, base work, sidewalk, drainage improvements, curb & gutter, traffic signals, and signing and pavement markings at the intersection of SR 438.

Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) TRAFFIC CONTROL DEVICES, LLC		(2) HIGHWAY SAFETY DEVICES, INC.		(3) RANGER CONSTRUCTION INDUSTRIES, INC.	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0005 0101 1 MOBILIZATION 44571515201		(1.000) LS	183,000.00000	183,000.00	224,681.00000	224,681.00	229,000.00000	229,000.00
0010 0102 1 MAINTENANCE OF TRAFFIC 44571515201		(300.000) DA (LS)	261,350.00000	261,350.00	254,000.00000	254,000.00	801,000.00000	801,000.00
0015 0102 4 1 PEDESTRIAN OR BICYCLE SPECIAL DETOUR 44571515201		(33.000) SY (LS)	7,970.00000	7,970.00	11,300.00000	11,300.00	28,000.00000	28,000.00
0020 0102 14 TRAFFIC CONTROL OFFICER		56.000 HR	115.00000	6,440.00	125.00000	7,000.00	113.30000	6,344.80
0025 0102 60 WORK ZONE SIGN		8,140.000 ED	0.25000	2,035.00	0.30000	2,442.00	0.25000	2,035.00
0030 0102 71 13 TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE		160.000 LF	48.00000	7,680.00	67.50000	10,800.00	50.70000	8,112.00
0035 0102 71 23 TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE		480.000 LF	17.50000	8,400.00	25.00000	12,000.00	16.00000	7,680.00



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001 Roadway									
0040 0102 74 1		26,452.000	0.12000	3,174.24	0.15000	3,967.80	0.10000	2,645.20	
CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD		ED							
0045 0102 74 8		41,504.000	0.10000	4,150.40	0.05000	2,075.20	0.05000	2,075.20	
CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)		FD							
0050 0102 76		1,080.000	4.95000	5,346.00	8.20000	8,856.00	6.65000	7,182.00	
ARROW BOARD / ADVANCE WARNING ARROW PANEL		ED							
0055 0102 99		640.000	11.30000	7,232.00	14.50000	9,280.00	12.00000	7,680.00	
PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY		ED							
0060 0102104		300.000	39.80000	11,940.00	21.00000	6,300.00	32.40000	9,720.00	
TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION		ED							
0065 0102107 1		300.000	1.00000	300.00	55.00000	16,500.00	29.20000	8,760.00	
TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION		ED							
0070 0102115		1,220.000	0.35000	427.00	0.40000	488.00	0.30000	366.00	
TYPE III BARRICADE		ED							
0075 0104 18		7.000	232.00000	1,624.00	330.00000	2,310.00	285.20000	1,996.40	
INLET PROTECTION SYSTEM		EA							



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001 Roadway									
0080 0107 1 LITTER REMOVAL		1.980 AC	41.00000	81.18	41.00000	81.18	732.50000	1,450.35	
0085 0107 2 MOWING		1.980 AC	81.00000	160.38	125.00000	247.50	691.00000	1,368.18	
0090 0110 1 1 CLEARING & GRUBBING 44571515201		(0.060) AC (LS)	165,000.00000	165,000.00	142,000.00000	142,000.00	37,569.00000	37,569.00	
0095 0110 4 10 REMOVAL OF EXISTING CONCRETE		445.000 SY	54.25000	24,141.25	76.50000	34,042.50	32.50000	14,462.50	
0100 0120 6 EMBANKMENT		53.400 CY	457.00000	24,403.80	645.00000	34,443.00	102.30000	5,462.82	
0105 0160 4 TYPE B STABILIZATION		32.000 SY	259.00000	8,288.00	365.00000	11,680.00	115.30000	3,689.60	
0110 0285709 OPTIONAL BASE, BASE GROUP 09		32.000 SY	360.00000	11,520.00	510.00000	16,320.00	637.00000	20,384.00	
0115 0327 70 6 MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH		4,532.000 SY	11.70000	53,024.40	16.50000	74,778.00	6.85000	31,044.20	
0120 0334 1 53 SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22		2.700 TN	3,525.00000	9,517.50	5,000.00000	13,500.00	2,230.00000	6,021.00	



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001 Roadway									
0125	0337 7 83	373.900	350.00000	130,865.00	495.00000	185,080.50	290.70000	108,692.73	
ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22		TN							
0130	0339 1	0.800	6,335.00000	5,068.00	8,550.00000	6,840.00	2,100.00000	1,680.00	
MISCELLANEOUS ASPHALT PAVEMENT		TN							
0135	0425 1203	1.000	38,070.00000	38,070.00	53,800.00000	53,800.00	25,600.00000	25,600.00	
INLETS, CURB, TYPE 9, J BOT, <10'		EA							
0140	0425 1351	5.000	15,600.00000	78,000.00	22,100.00000	110,500.00	15,200.00000	76,000.00	
INLETS, CURB, TYPE P-5, <10'		EA							
0145	0425 1451	1.000	20,755.00000	20,755.00	29,300.00000	29,300.00	22,800.00000	22,800.00	
INLETS, CURB, TYPE J-5, <10'		EA							
0150	0425 2 61	1.000	8,692.97000	8,692.97	12,200.00000	12,200.00	9,700.00000	9,700.00	
MANHOLES, P-8, <10'		EA							
0155	0425 2 71	1.000	36,500.00000	36,500.00	51,600.00000	51,600.00	21,000.00000	21,000.00	
MANHOLES, J-7, <10'		EA							
0160	0430175115	24.000	900.00000	21,600.00	1,250.00000	30,000.00	1,110.00000	26,640.00	
PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"S/CD		LF							
0165	0430175118	18.000	980.00000	17,640.00	1,400.00000	25,200.00	900.00000	16,200.00	
PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD		LF							



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0001 Roadway									
0170	0430175142	9.000 LF	1,895.00000	17,055.00	2,700.00000	24,300.00	2,770.00000	24,930.00	
PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD									
0175	0430175148	18.000 LF	956.00000	17,208.00	1,350.00000	24,300.00	1,180.00000	21,240.00	
PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD									
0180	0520 1 10	635.000 LF	51.00000	32,385.00	71.50000	45,402.50	78.10000	49,593.50	
CONCRETE CURB & GUTTER, TYPE F									
0185	0522 1	219.000 SY	91.00000	19,929.00	130.00000	28,470.00	138.30000	30,287.70	
CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK									
0190	0522 2	142.000 SY	133.00000	18,886.00	190.00000	26,980.00	185.80000	26,383.60	
CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK									
0195	0527 2	77.000 SF	37.00000	2,849.00	52.50000	4,042.50	117.30000	9,032.10	
DETECTABLE WARNINGS									
0200	0570 1 2	219.000 SY	75.00000	16,425.00	105.00000	22,995.00	30.45000	6,668.55	
PERFORMANCE TURF, SOD									
0205	0710 11101	0.019 GM	2,162.00000	41.08	4,100.00000	77.90	2,110.00000	40.09	
PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"									



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Roadway								
0210 0710 11123 PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"		1,851.000 LF	3.50000	6,478.50	2.50000	4,627.50	3.35000	6,200.85
0215 0710 11125 PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"		39.000 LF	4.70000	183.30	3.30000	128.70	6.65000	259.35
0220 0710 11170 PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS		4.000 EA	41.00000	164.00	65.50000	262.00	53.30000	213.20
0225 0999 25 INITIAL CONTINGENCY AMOUNT, DO NOT BID 44571515201		(1.000) LS	50,000.00000	50,000.00	50,000.00000	50,000.00	50,000.00000	50,000.00
0001 Roadway Section Totals:				\$1,346,000.00		\$1,635,198.78		\$1,777,209.92
SECTION: 0002 Signing								
0230 0700 1 11 SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF		4.000 AS	780.00000	3,120.00	535.00000	2,140.00	1,030.00000	4,120.00
0235 0700 1 60 SINGLE POST SIGN, REMOVE		4.000 AS	80.00000	320.00	82.50000	330.00	186.70000	746.80
0240 0704 1 2 TUBULAR MARKER, DURABLE, 36" YELLOW POST		4.000 EA	333.00000	1,332.00	470.00000	1,880.00	333.50000	1,334.00



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0002 Signing									
0245 0706 1 3 RAISED PAVEMENT MARKER, TYPE B		91.000 EA	4.70000	427.70	6.10000	555.10	6.65000	605.15	
0250 0710 90 PAINTED PAVEMENT MARKINGS, FINAL SURFACE 44571515201		(1.000) LS	10,305.14000	10,305.14	8,350.00000	8,350.00	6,000.00000	6,000.00	
0255 0711 11123 THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDBABOUT		652.000 LF	4.70000	3,064.40	4.40000	2,868.80	5.35000	3,488.20	
0260 0711 11125 THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK		170.000 LF	7.00000	1,190.00	8.80000	1,496.00	10.65000	1,810.50	
0265 0711 11170 THERMOPLASTIC, STANDARD, WHITE, ARROW		7.000 EA	100.00000	700.00	75.50000	528.50	100.00000	700.00	
0270 0711 11241 THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"		0.042 GM	2,470.00000	103.74	3,900.00000	163.80	4,440.00000	186.48	
0275 0711 14125 THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK		617.000 LF	17.50000	10,797.50	24.00000	14,808.00	29.35000	18,108.95	
0280 0711 16101 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"		0.304 GM	6,170.00000	1,875.68	11,800.00000	3,587.20	7,890.00000	2,398.56	





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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0002 Signing									
0285 0711 16131		0.061	2,470.00000	150.67	2,950.00000	179.95	4,590.00000	279.99	
THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP		GM							
0290 0711 16201		0.143	6,170.00000	882.31	11,800.00000	1,687.40	7,830.00000	1,119.69	
THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"		GM							
0295 0711 16202		0.004	7,715.00000	30.86	15,700.00000	62.80	9,785.00000	39.14	
THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"		GM							
0002 Signing Section Totals:				\$34,300.00		\$38,637.55		\$40,937.46	
SECTION: 0003 Signalization									
0300 0611 1 1		0.051	5,785.00000	295.04	8,200.00000	418.20	31,400.00000	1,601.40	
ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH		MI							
0305 0611 2 1		1.000	1,415.00000	1,415.00	2,000.00000	2,000.00	1,920.00000	1,920.00	
ITSFM LOCATION DOCUMENTATION- INTERSECTION		EA							
0310 0611 2 2		1.000	1,104.96000	1,104.96	1,450.00000	1,450.00	1,600.00000	1,600.00	
ITSFM LOCATION DOCUMENTATION- ITS SITE		EA							
0315 0630 2 11		210.000	23.00000	4,830.00	25.00000	5,250.00	35.20000	7,392.00	
CONDUIT, FURNISH & INSTALL, OPEN TRENCH		LF							



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0320 0630 2 12 CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE		710.000 LF	25.00000	17,750.00	40.00000	28,400.00	48.00000	34,080.00	
0325 0630 2 14 CONDUIT, FURNISH & INSTALL, ABOVEGROUND		40.000 LF	43.00000	1,720.00	47.50000	1,900.00	52.00000	2,080.00	
0330 0632 7 1 SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL		1.000 PI	13,750.00000	13,750.00	17,400.00000	17,400.00	12,000.00000	12,000.00	
0335 0632 7 2 SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL		340.000 LF	7.60000	2,584.00	6.30000	2,142.00	16.10000	5,474.00	
0340 0632 7 6 SIGNAL CABLE, REMOVE- INTERSECTION		1.000 PI	1,287.00000	1,287.00	845.00000	845.00	1,310.00000	1,310.00	
0345 0633 1121 FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS		320.000 LF	5.00000	1,600.00	7.00000	2,240.00	3.55000	1,136.00	
0350 0633 2 31 FIBER OPTIC CONNECTION, INSTALL, SPLICE		24.000 EA	46.00000	1,104.00	65.50000	1,572.00	64.00000	1,536.00	
0355 0633 3 12 FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY		1.000 EA	58.00000	58.00	82.00000	82.00	104.00000	104.00	



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0360 0633 3 14 FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT		1.000 EA	87.00000	87.00	125.00000	125.00	136.00000	136.00	
0365 0633 3 15 FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL		1.000 EA	2,065.00000	2,065.00	2,900.00000	2,900.00	600.00000	600.00	
0370 0633 6 FIBER OPTIC CABLE LOCATOR		300.000 DA	165.00000	49,500.00	350.00000	105,000.00	72.00000	21,600.00	
0372 0634 4153 SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX OR DROP BOX		1.000 PI	7,385.00000	7,385.00	10,600.00000	10,600.00	10,500.00000	10,500.00	
0375 0634 5 1 FIBERGLASS INSULATOR, FURNISH & INSTALL		40.000 LF	50.00000	2,000.00	63.00000	2,520.00	41.30000	1,652.00	
0380 0635 2 11 PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE		11.000 EA	970.00000	10,670.00	1,500.00000	16,500.00	2,510.00000	27,610.00	
0385 0635 2 12 PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE		1.000 EA	2,492.00000	2,492.00	2,800.00000	2,800.00	4,530.00000	4,530.00	
0390 0639 1122 ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR		1.000 AS	3,318.00000	3,318.00	6,200.00000	6,200.00	5,240.00000	5,240.00	



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0395 0639 2 1		240.000	6.90000	1,656.00	11.50000	2,760.00	6.00000	1,440.00	
ELECTRICAL SERVICE WIRE, FURNISH & INSTALL		LF							
0400 0641 2 12		1.000	1,840.00000	1,840.00	1,950.00000	1,950.00	2,430.00000	2,430.00	
PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE		EA							
0405 0641 2 18		4.000	13,185.00000	52,740.00	20,500.00000	82,000.00	18,500.00000	74,000.00	
PRESTRESSED CONCRETE POLE, F&I, TYPE P-VIII		EA							
0410 0641 2 70		4.000	4,465.00000	17,860.00	4,200.00000	16,800.00	8,450.00000	33,800.00	
PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER		EA							
0415 0646 1 11		5.000	2,190.00000	10,950.00	2,550.00000	12,750.00	4,110.00000	20,550.00	
ALUMINUM SIGNALS POLE, PEDESTAL		EA							
0420 0646 1 12		4.000	2,075.00000	8,300.00	2,500.00000	10,000.00	3,950.00000	15,800.00	
ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST		EA							
0425 0650 1 14		10.000	1,440.00000	14,400.00	1,550.00000	15,500.00	1,820.00000	18,200.00	
VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY		AS							
0430 0650 1 16		4.000	1,808.00000	7,232.00	1,900.00000	7,600.00	2,140.00000	8,560.00	
VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY		AS							



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			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	
SECTION: 0003 Signalization									
0435 0653 1 11 PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY		8.000 AS	702.00000	5,616.00	815.00000	6,520.00	993.50000	7,948.00	
0440 0660 4 11 VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT		2.000 EA	16,155.00000	32,310.00	25,400.00000	50,800.00	10,600.00000	21,200.00	
0445 0660 4 12 VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT		5.000 EA	8,435.00000	42,175.00	9,050.00000	45,250.00	6,110.00000	30,550.00	
0450 0663 1111 SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, CABINET ELECTRONICS		1.000 EA	7,495.00000	7,495.00	9,700.00000	9,700.00	8,730.00000	8,730.00	
0455 0663 1112 SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, DETECTOR		2.000 EA	1,968.00000	3,936.00	4,000.00000	8,000.00	3,050.00000	6,100.00	
0460 0665 1 11 PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD		8.000 EA	230.00000	1,840.00	255.00000	2,040.00	379.00000	3,032.00	
0465 0670 5111 TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION		1.000 AS	45,260.00000	45,260.00	53,300.00000	53,300.00	55,500.00000	55,500.00	
0470 0670 5600 TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET		1.000 AS	840.00000	840.00	875.00000	875.00	787.00000	787.00	



Tabulation of Bids

Letting: CT221005		October 05, 2022		Call Order: 012		Contract: T5769		
Line No / Item ID Item Description ( ) indicates item is bid as Lump Sum	Alternate	Quantity Units	(1) TRAFFIC CONTROL DEVICES, LLC		(2) HIGHWAY SAFETY DEVICES, INC.		(3) RANGER CONSTRUCTION INDUSTRIES, INC.	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0003 Signalization								
0475 0682 1400 ITS CCTV CAMERA, RELOCATE		1.000 EA	4,535.00000	4,535.00	1,750.00000	1,750.00	2,400.00000	2,400.00
0480 0684 1 1 MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL		1.000 EA	4,420.00000	4,420.00	6,050.00000	6,050.00	3,640.00000	3,640.00
0485 0685 1 13 UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET		1.000 EA	9,580.00000	9,580.00	10,700.00000	10,700.00	9,850.00000	9,850.00
0490 0685 2 1 REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL		1.000 EA	1,140.00000	1,140.00	1,000.00000	1,000.00	1,730.00000	1,730.00
0495 0700 5 22 INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF		4.000 EA	7,315.00000	29,260.00	8,900.00000	35,600.00	8,570.00000	34,280.00
0500 0700 11321 ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, REGULATORY SIGN, UP TO 12 SF		4.000 AS	5,400.00000	21,600.00	8,050.00000	32,200.00	6,550.00000	26,200.00
0003 Signalization Section Totals:				\$450,000.00		\$623,489.20		\$528,828.40
Contract Grand Totals:				\$1,830,300.00		\$2,297,325.53		\$2,346,975.78



Florida Department of Transportation

Issue B  
Exhibit B

10/13/2022

Tabulation of Bids

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Letting: CT221005    October 05, 2022    Call Order: 012    Contract: T5769

NOTE: Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.

Certified in accordance with Code of Federal Regulations Title 23, Chapter 1, Subchapter G, Subsection 635.113(b).

*Alan D. Autry*

10/14/2022

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Manager, Contracts Administration Office