




ST. CHARLES PARISH

OFFICE OF THE COUNCIL SECRETARY

P.O. BOX 302 • HAHNVILLE, LOUISIANA 70057
(985) 783-5000 • www.stcharlesparish.gov

24-11-4
2024-0342

COUNCIL OFFICE MEMORANDUM

DATE: NOVEMBER 8, 2024
TO: MR. MILES BINGHAM
PUBLIC WORKS DIRECTOR
FROM: MICHELLE IMPASTATO 
COUNCIL SECRETARY
RE: CHANGE ORDER NO. 2
WILLOWDALE TURN LANE
(PROJECT NO. P230804)

On November 4, 2024, the St. Charles Parish Council adopted Ordinance No. 24-11-4 approving and authorizing execution of Change Order No. 2 for the Willowdale Turn Lane (Project No. P230804), to increase the contract amount by \$45,876.93.

A fully executed ordinance and change order have been recorded. A copy of the recorded ordinance and two (2) original change orders are enclosed for your records.

MI/ag

Enclosures

cc: ¹Parish Council
Ms. Samantha de Castro w/enclosure
Mr. Corey Oubre w/enclosure
Mr. Grant Dussom w/enclosure
Mr. Brandon Bernard w/enclosure
Digital Engineering and Imaging, Inc. w/original enclosure
Barrier Construction, LLC w/original enclosure

¹ Council Dept. retained 1 original for file; 1 original filed in COC (2)

2024-0342

**INTRODUCED BY: MATTHEW JEWELL, PARISH PRESIDENT
(DEPARTMENT OF PUBLIC WORKS)**

ORDINANCE NO. 24-11-4

An ordinance approving and authorizing the execution of Change Order No. 2 for the Willowdale Turn Lane (Project No. P230804), to increase the contract amount by \$45,876.93.

WHEREAS, Ordinance No. 22-7-2 adopted on July 5, 2022, by the St. Charles Parish Council, approved and authorized the execution of a Professional Services Agreement with Digital Engineering & Imaging, Inc., to perform planning services for the Road Maintenance 2022-23 (Project No. P220501), in the not to exceed amount of \$316,728.72; and,

WHEREAS, Ordinance No. 23-9-2 adopted on September 25, 2023, by the St. Charles Parish Council, approved and authorized the execution of Amendment No. 1 to Ordinance No. 22-7-2, which approved the Professional Services Agreement with Digital Engineering & Imaging, Inc. to perform planning services for the Road Maintenance 2022-23 (Project No. P220501), adding Willowdale Turn Lane (Project No. P230804), in the amount of \$98,235.00; and,

WHEREAS, Ordinance No. 24-5-5 adopted on May 6, 2024, by the St. Charles Parish Council, approved and authorized the execution of a Contract with Barriere Construction Co., L.L.C., for the Willowdale Turn Lane (Project No. P230804), in the amount of \$389,442.70; and,

WHEREAS, Ordinance No. 24-9-4 adopted on September 9, 2024, by the St. Charles Parish Council, approved and authorized the execution of Change Order No. 1 for the Willowdale Turn Lane (Project No. P230804), to increase the contract amount by \$87,641.69 and increase the contract time by forty-four (44) days; and,

WHEREAS, it is necessary to amend the contract to incorporate items added during construction that improved the roadway quality and safety, and also facilitated work around utility conflicts; and,

WHEREAS, St. Charles Parish and Barriere Construction Co., L.L.C. have mutually agreed to increase the contract price of \$45,876.93.

THE ST. CHARLES PARISH COUNCIL HEREBY ORDAINS:

SECTION I. That Change Order No. 2 for the Willowdale Turn Lane (Project No. P230804), to increase the contract amount by \$45,876.93 is hereby approved and accepted.

SECTION II. That the Parish President is hereby authorized to execute said Change Order on behalf of St. Charles Parish.

The foregoing ordinance having been submitted to a vote, the vote thereon was as follows:

YEAS: MOBLEY, FONSECA, WILSON, SKIBA, PILIE, COMARDELLE, O'DANIELS, DEBRULER

NAYS: NONE

ABSENT: FISHER

And the ordinance was declared adopted this 4th day of November, 2024, to become effective five (5) days after publication in the Official Journal.

ACTING CHAIRMAN: Nolly Fonseca
SECRETARY: Michelle Dupontato
DLVD/PARISH PRESIDENT: November 5, 2024
APPROVED: _____ DISAPPROVED: _____
PARISH PRESIDENT: Matthew Jewell
RETD/SECRETARY: November 5, 2024
AT: 3:02pm RECD BY: [Signature]

RECORDED IN THE ST. CHARLES PARISH
CLERK OF COURT OFFICE
ON 11/8/2024
AS INSTRUMENT NO. 485136
IN (MORTGAGE) CONVEYANCE/OATH BOOK

SECTION 00806

CHANGE ORDER

No. 2

DATE OF ISSUANCE 10/09/24 EFFECTIVE DATE 10/09/24

OWNER St. Charles Parish
CONTRACTOR Barriere Construction, LLC
Contract: Willowdale Turn Lane
Project: _____
OWNER's Contract No. P230804 ENGINEER's Contract No. 22R00001.002
ENGINEER Digital Engineering and Imaging, Inc.

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

Description: *See attached example on how to fill in this information*

1. Delete the Following Work Items:

- a. Contract Item 070: *Relocation of Infrastructure Items*
Delete item in its entirety. 1 LS (-\$8,500.00)
- b. Contract Item 090: *Hydro-Seeding*
Delete item in its entirety. 0.07 ACRE (-\$2,170.00)

Total of Deleted Work Items = (-\$10,670.00)

2. Add the Following Work Items:

- a. New Contract Item 170: *GR Modifications*
Addition of \$17,274.08 (1 LS). See attached cost estimate for details.
- b. New Contract Item 180: *Omni Directional Type A Signs*
Addition of \$3,165.99 (1 LS). See attached cost estimate for details.
- c. New Contract Item 190: *T&M for Milling*
Addition of \$4,418.01 (1 LS). See attached cost estimate for details.
- d. New Contract Item 191: *T&M for Paving*
Addition of \$7,880.50 (1 LS). See attached cost estimate for details.

Total of Added Work Items = (+\$32,738.58)

3. Revise the Following Work Item Quantities:

- a. Contract Item 020: *Cold Plane (2" Thick)*
The quantity is to be increased by 515.5 SY. (+\$4,897.25)
- b. Contract Item 030: *Asphalt Pavement Overlay (2" Thick)*
The quantity is to be increased by 640.42 SY. (+\$22,414.70)
- c. Contract Item 031: *Asphalt Pavement Guardrail Pad (4" Thick)*
The quantity is to be increased by 41.3 SY. (+\$3,510.50)
- d. Contract Item 040: *Asphalt Patching (14" Thick)*
The quantity is to be decreased by 13.24 TONS. (-\$3,508.60)
- e. Contract Item 050: *Class II Base Course (8" Thick)*
The quantity is to be increased by 0.7 SY. (+\$121.80)
- f. Contract Item 060: *Removal of Guard Rail*
The quantity is to be decreased by 0.3 LF. (-\$6.30)
- g. Contract Item 061: *Blocked Out Guard Rail - 31", (6'-3" Post Spacing)*
The quantity is to be decreased by 31.25 LF. (-\$2,125.00)
- h. Contract Item 080: *Shoulder Material (Stone Fill)*
The quantity is to be decreased by 16 SY. (-\$560.00)

- i. Contract Item 100: *Plastic Pavement Striping (Solid Line)(4" Width)(Thermoplastic 90 Mil)*
The quantity is to be decreased by 0.135 MILE. (-\$1,107.00)
- j. Contract Item 101: *Plastic Pavement Striping (Broken Line)(4" Width)(Thermoplastic 90 Mil)*
The quantity is to be decreased by 0.033 MILE. (-\$99.00)
- k. Contract Item 103: *Plastic Pavement Striping (24" Width)(Thermoplastic 125 Mil)*
The quantity is to be increased by 9 LF. (+\$270.00)

Total of Change in Work Items Quantity = (+\$23,808.35)

Reason for Change Order: List a reason for each Line Item listed above. See attached example on how to fill in this information

1. Deleted Work Items
 - a. Both Relocation of Infrastructure Items and Hydro-Seeding were not needed for this project, therefore, they are being removed via this Final Change Order.
2. Add Work Items
 - a. The GR Modifications were included because of waterline and gas line possible conflicts. Exploratory digging was performed to ensure proper offsets from the buried lines. A restocking fee was applied to materials that were ordered but ended up not being needed.
 - b. Signal Ahead, Curve Warning, and Chevron signs were added to this project at the request of the Parish. This is covered by the Omni Directional Type A Signs item.
 - c. On August 19, 2024, during the installation of the guardrail, Digital Engineering, went to the site and noticed an 80' x 12' area that was rutting along Willowdale. They asked Barriere to do a mill patch to level out the roadway. This requested work is handled by Items 190 & 191: T&M for Milling and T&M for Paving.
3. Revise Work Item Quantities
 - a. This cold plane item increased because of the added areas of the loop detectors as described in Work Change Directive #1. This number accounts for actual areas cold planed.
 - b. This asphalt pavement overlay item increased similarly to the cold plane item, because of the added areas of the loop detectors as described in Work Change Directive #1. This number accounts for actual areas overlaid.
 - c. The guardrail pad item increased because of the changes made to the guardrail design. The total square yards of guardrail pad were measured and that area was used as the total item quantity.
 - d. The asphalt patching item increased in Change Order #1, this decrease accounts for actual patching placed. It was slightly lower than the calculated amount from the Work Change Directive.
 - e. The class II base course item increased in Change Order #1, this increase accounts for actual base course placed. It was slightly higher than the calculated amount from the Work Change Directive.
 - f. Actual guardrail removal length was slightly lower than anticipated.
 - g. The guardrail lengths changed with Revision E and most recent Guardrail Modifications.
 - h. Actual placed shoulder material was lower than anticipated.
 - i. Actual placed solid line striping was less than originally anticipated.
 - j. Actual placed broken solid line striping was less than originally anticipated.
 - k. Actual placed stop bar length was more than originally anticipated.

Attachments: (List documents supporting change)

- Updated Base Bid Probable Cost
- Work Change Directive #1
- Work Change Directive #2
- Change Order Breakdown for Guardrail Modifications and Signs
- Change Order Breakdown for T&M Mill/Patch
- Revised Plan Sheets that relate to GR Mods and Signing Updates

CHANGE IN CONTRACT PRICE:
Original Contract Price \$389,442.70
Net Increase (Decrease) from previous Change Orders No. <u>1</u> to <u>2</u> : \$45,876.93
Contract Price prior to this Change Order: \$477,084.39
Net increase of this Change Order: \$45,876.93
Contract Price with all approved Change Orders: \$522,961.32

CHANGE IN CONTRACT TIMES:
Original Contract Times: Substantial Completion: <u>80 days</u> Ready for final payment: _____ (days or dates)
Net change from previous Change Orders No. <u>1</u> to No. <u>2</u> : Substantial Completion: <u>0</u> Ready for final payment: _____ (days)
Contract Times prior to this Change Order: Substantial Completion: <u>124 days</u> Ready for final payment: _____ (days or dates)
Net increase this Change Order: Substantial Completion: <u>0 days</u> Ready for final payment: _____ (days)
Contract Times with all approved Change Orders: Substantial Completion: <u>124 days</u> Ready for final payment: _____ (days or dates)

RECOMMENDED:

By: Stephanie B. Turner
ENGINEER (Authorized Signature)

APPROVED:

By: _____
OWNER (Authorized Signature)

ACCEPTED:

By: [Signature]
CONTRACTOR (Authorized Signature)

Date: 10/09/24

Date: _____

Date: 10/14/2024



**WILLOWDALE TURN LANE
BASE BID WITH
CHANGE ORDER #1 & #2 (FINAL)**

ITEM NO.	DESCRIPTION	UNIT PRICE	UNIT	QUANTITY CONTRACT	CONTRACT EXTENSION
010	TEMPORARY CONSTRUCTION SIGNS AND BARRICADES	\$ 47,395.39	LS	1	\$ 47,395.39
020	COLD PLANE (2" THICK)	\$ 9.50	SY	2,325.5	\$ 22,092.25
030	ASPHALT PAVEMENT OVERLAY (2" THICK)	\$ 35.00	SY	2,450.42	\$ 85,764.70
031	ASPHALT PAVEMENT GUARDRAIL PAD (4" THICK)	\$ 85.00	SY	277.3	\$ 23,570.50
040	ASPHALT PATCHING (14" THICK)	\$ 265.00	TON	521.8	\$ 138,266.40
050	CLASS II BASE COURSE (8" THICK)	\$ 174.00	SY	25.5	\$ 4,437.00
060	REMOVAL OF GUARD RAIL	\$ 21.00	LF	372.5	\$ 7,822.50
061	BLOCKED OUT GUARD RAIL - 31", (6'-3" POST SPACING)	\$ 68.00	LF	193.75	\$ 13,175.00
062	GUARD RAIL END TREATMENT, MASH, (TL-3 TANGENT)	\$ 5,000.00	EA	4	\$ 20,000.00
063	REMOVAL OF TYPE 3 OBJECT MARKER	\$ 62.00	EA	8	\$ 496.00
064	REQUIRED TYPE 3 OBJECT MARKER	\$ 125.00	EA	4	\$ 500.00
070	RELOCATION OF INFRASTRUCTURE ITEMS	\$ 8,500.00	LS	0	\$ -
080	SHOULDER MATERIAL (STONE FILL)	\$ 35.00	SY	85	\$ 2,975.00
090	HYDRO-SEEDING	\$ 31,000.00	ACRE	0	\$ -
100	PLASTIC PAVEMENT STRIPING (SOLID LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	\$ 8,200.00	MILE	0.285	\$ 2,337.00
101	PLASTIC PAVEMENT STRIPING (BROKEN LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	\$ 3,000.00	MILE	0.06	\$ 180.00
102	PLASTIC PAVEMENT STRIPING (SOLID LINE)(8" WIDTH)(THERMOPLASTIC 90 MIL)	\$ 7.00	LF	50	\$ 350.00
103	PLASTIC PAVEMENT STRIPING (24" WIDTH)(THERMOPLASTIC 125 MIL)	\$ 30.00	LF	75	\$ 2,250.00
104	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - LEFT TURN)	\$ 475.00	EA	2	\$ 950.00
105	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - RIGHT TURN)	\$ 495.00	EA	2	\$ 990.00
106	PAINTED CURBS AND ISLANDS	\$ 49.82	SY	30	\$ 1,494.60
110	EXCAVATION AND EMBANKMENT	\$ 42,047.24	LS	1	\$ 42,047.24
120	MOBILIZATION / DEMOBILIZATION	\$ 45,452.62	LS	1	\$ 45,452.62
130	LOOP DETECTOR	\$ 41.36	LF	113	\$ 4,673.68
140	736-01-00100 TRENCHING AND BACKFILLING	\$ 17.70	LF	50	\$ 885.00
150	736-11-00050 CONDUIT (1/2" HDPE, SCHEDULE 80)	\$ 5.76	LF	50	\$ 288.00
151	736-11-00100 CONDUIT (1" HDPE, SCHEDULE 80)	\$ 7.06	LF	50	\$ 353.00
160	REMOVAL OF ASPHALT PAVEMENT	\$ 153.44	SY	15.2	\$ 2,332.29
161	REMOVAL OF CURBS (ASPHALT)	\$ 38.92	LF	73	\$ 2,841.16
162	COMBINATION CURB & GUTTER	\$ 86.73	LF	64	\$ 5,550.72
163	INCIDENTAL CONCRETE PAVING (6" THICK)	\$ 361.36	SY	10.2	\$ 3,685.87
164	INCIDENTAL CONCRETE PAVING (10" THICK)	\$ 356.91	SY	19.8	\$ 7,066.82
170	GR MODIFICATIONS	\$ 17,274.08	LS	1	\$ 17,274.08
180	OMNI DIRECTIONAL TYPE A SIGNS	\$ 3,165.99	LS	1	\$ 3,165.99
190	T&M FOR MILLING	\$ 4,418.01	LS	1	\$ 4,418.01
191	T&M FOR PAVING	\$ 7,880.50	LS	1	\$ 7,880.50

CONTRACT TOTAL \$ 522,961.32

SECTION 00805

WORK CHANGE DIRECTIVE

No. 1

DATE OF ISSUANCE 06/17/24 EFFECTIVE DATE 06/17/24

Owner: St. Charles Parish

Contractor: Barriere Construction, LLC

Contract: Willowdale Turn Lane

Owner's Contract No. P230804 Engineer's Contract No. 22R00001.002

ENGINEER: Digital Engineering and Imaging, Inc.

Contractor is directed to proceed promptly with the following change(s):

Description: In RFI #1, Barriere requested placing Asphalt Pavement Base to replace the Class II Base Course and Geotextile Fabric. This Work Change Directive is a result of the Parish and Engineer agreeing to this change. The typical section has been revised to have a 16-inch-thick asphalt concrete widening. The minimum width of this base section is 4 feet. The base that extends past the finished surface is 1 foot in sections where the base widening is 4 feet. Where the base widening is greater than 4 feet, the extension will transition to 0.5 feet. For clarification, the typical section has been updated as well to show the existing crown is to remain the crown through this proposed work. A change has been made to extend the mill and overlay section to the edge of US 90 through the existing loop detectors. Loop detectors have been added to the plans to replace the existing ones. DOTD suggested in their permit to include the following items in small quantities in order to properly install the new loop detectors: Conduit (1/2" HDPE, Schedule 80), Conduit (1" HDPE, Schedule 80), and Trenching and Backfilling. These items have not been added to the plan sheets but have been included in the Estimated Change in Contract Price.

Attachments: (List documents supporting change) RFI #1, Revised Plans (Sheets 3-5), TSD-11(1 sheet), DOTD Permit, Update Summary of Estimated Quantities.

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to: (check one)

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: \$ \$15,045.12 [increase] [decrease]

Contract Time 0 days [increase] [decrease]

Basis of estimated change in Contract Price:

- Lump Sum
- Unit Price
- Cost of the Work
- Other

Recommended: _____ Limited Authorization By*: _____ Received: _____
 By: Stephanie Johnson By: Yvonne P. White By: [Signature]
 Engineer (Authorized Signature) Owner's Representative* Contractor (Authorized Signature)

Title: Senior Project Manager Title: Parish Engineer Title: PROJECT MANAGER
 Date: 06/14/24 Date: 6/17/24 Date: 6/17/24


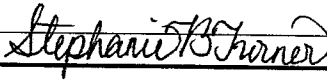
*Owner's Representative is not authorized to finalize a Change Order nor does the Work Change Directive substitute the Change Order process as more fully set out in the General Conditions of the Construction Contract.

Approved by Funding Agency (if applicable)

By: _____ Date: _____
Title: _____



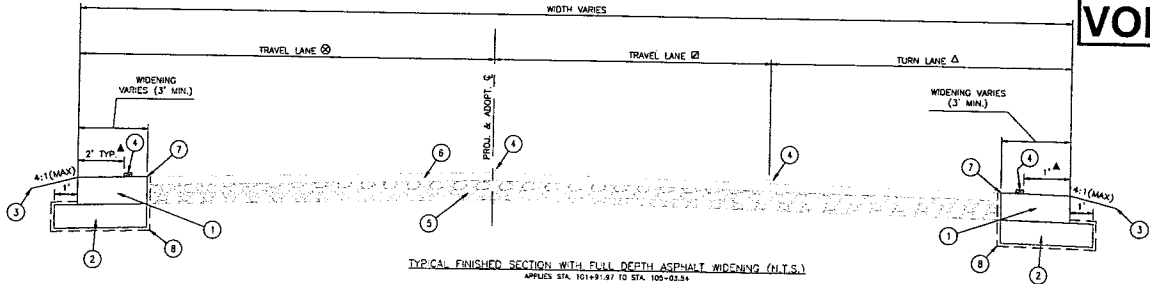
REQUEST FOR INFORMATION

Project Number: P230804		RFI Number: 1.0	
Project Name: Willowdale Turn Lane		Date Received: 5/28/2024	
Project Engineer: Frank Liang		Date Required: 5/31/2024	
Contractor: Barriere Construction		Forwarded To: Frank Liang	
Specification No.:		Date Responded: 05/30/2024	
check one: <input type="checkbox"/> RFI check one: <input type="checkbox"/> Standard Specification		Page No.: <input type="checkbox"/> Design Modification Supplemental Specification	
<input checked="" type="checkbox"/> Proposed VE <input type="checkbox"/> Special Provision		Plan Sheet No.: Detail:	
REQUEST: Barriere is proposing to install 18" of asphalt base in the widening sections in lieu of geotextile fabric, 8" of class II base course & 14" of asphalt base course.			
PROPOSED SOLUTION (If applicable): This would help speed up the installation of the widening section as well as provide a better product given that it will be challenging to compact the base course since it is so narrow. Please let us know if this is proposal is acceptable.			
By: Christian Valetton		Signature: 	Date: 5/28/2024
RESPONSE: After discussion with Barriere and St. Charles Parish, separately, it was agreed that Barriere can go back with a 16" thick asphalt widening and eliminate the Class II Base Course in the widening section. The 14" thick asphalt base shall, as was done with the Class II Base Course, extend 1' beyond the edge of finished grade asphalt lift.			
By: Stephanie B. Turner		Signature: 	Date: 05/30/2024
After reviewing the response, does the contractor anticipate: That a change order will be required? <input type="checkbox"/> Yes <input type="checkbox"/> No That there will be an increase in the cost of the project? <input type="checkbox"/> Yes <input type="checkbox"/> No			

SUMMARY OF ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
010	TEMPORARY CONSTRUCTION SIGNS AND BARRICADES	1	LS
020	COLD PLANE (2" THICK)	2,144	SY
030	ASPHALT PAVEMENT OVERLAY (2" THICK)	2,144	SY
031	ASPHALT PAVEMENT GUARDRAIL PAD (4" THICK)	236	SY
040	ASPHALT PATCHING (14" THICK)	19.1	TON
041	ASPHALT WIDENING (16" THICK)	480.0	TON
050	CLASS II BASE COURSE (8" THICK)	24.8	SY
060	REMOVAL OF GUARD RAIL	372.8	LF
061	BLOCKED OUT GUARD RAIL - 31", (6'-3" POST SPACING)	225	LF
062	GUARD RAIL END TREATMENT, MASH, (TL-3 TANGENT)	4	EA
063	REMOVAL OF TYPE 3 OBJECT MARKER	8	EA
064	REQUIRED TYPE 3 OBJECT MARKER	4	EA
070	RELOCATION OF INFRASTRUCTURE ITEMS	1	LS
080	SHOULDER MATERIAL (STONE FILL)	101	SY
090	HYDRO-SEEDING	0.07	ACRE
100	PLASTIC PAVEMENT STRIPING (SOLID LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.408	MILE
101	PLASTIC PAVEMENT STRIPING (BROKEN LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.093	MILE
102	PLASTIC PAVEMENT STRIPING (SOLID LINE)(8" WIDTH)(THERMOPLASTIC 90 MIL)	50	LF
103	PLASTIC PAVEMENT STRIPING (24" WIDTH)(THERMOPLASTIC 125 MIL)	30	LF
104	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - LEFT TURN)	2	EA
105	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - RIGHT TURN)	2	EA
110	EXCAVATION AND EMBANKMENT	1	LS
120	MOBILIZATION / DEMOBILIZATION	1	LS
130	LOOP DETECTOR	113	LF
140	736-01-00100 TRENCHING AND BACKFILLING	50	LF
150	736-11-00050 CONDUIT (1/2" HDPE, SCHEDULE 80)	50	LF
151	736-11-00100 CONDUIT (1" HDPE, SCHEDULE 80)	50	LF

6/14/2024

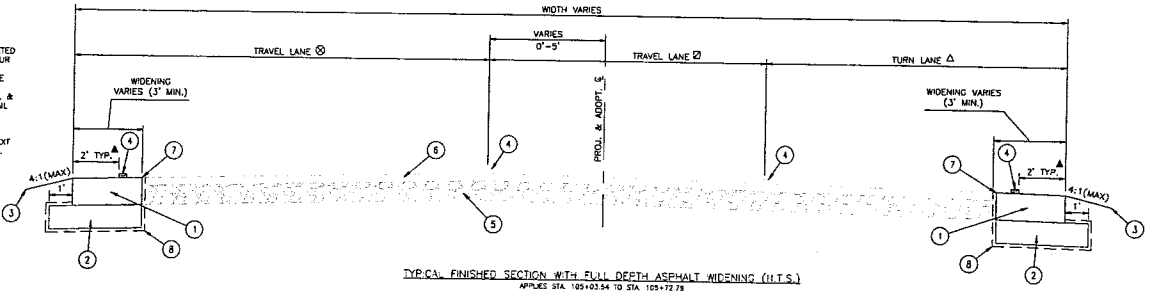
- 1 14" SUPERPAVE[®] ASPHALTIC CONCRETE
- 2 8" CLASS II BASE COURSE
- 3 2" SHOULDER (AGGREGATE SURFACE COURSE)
- 4 PAVEMENT STRIPING
- 5 EXISTING BASE
- 6 SEE MILL & OVERLAY TYPICAL SECTION SAWCUT EXISTING EDGE OF ROAD FOR WIDENING WORK
- 7 GEOTEXTILE FABRIC



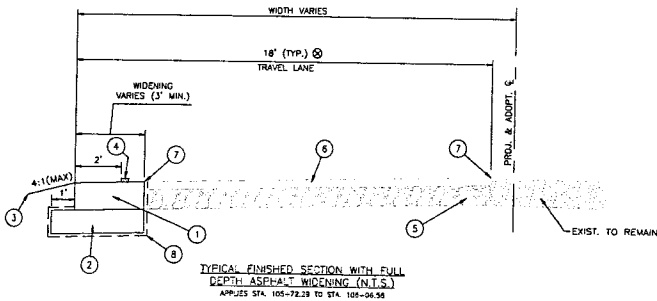
NOTES:

- 1. PAVEMENT WIDENING WILL BE COMPLETED BEFORE MILL AND OVERLAY CAN OCCUR OVER ENTIRE ROADWAY SURFACE. BE SURE TO INSTALL A SHOULDER WEDGE ALONG THE EDGE OF ROADWAY. SEE TYPICAL FINISHED SECTION FOR MILL & OVERLAY AND SHOULDER WEDGE DETAIL ON THE NEXT SHEET.
- 2. FOR EMBANKMENT WIDENING AND GUARDRAIL PAD INFORMATION, SEE NEXT SHEET AND GUARDRAIL LAYOUT SHEET.

*PAD FOR UNDER ITEM 04, ASPHALT PATCHING (14" THICK)



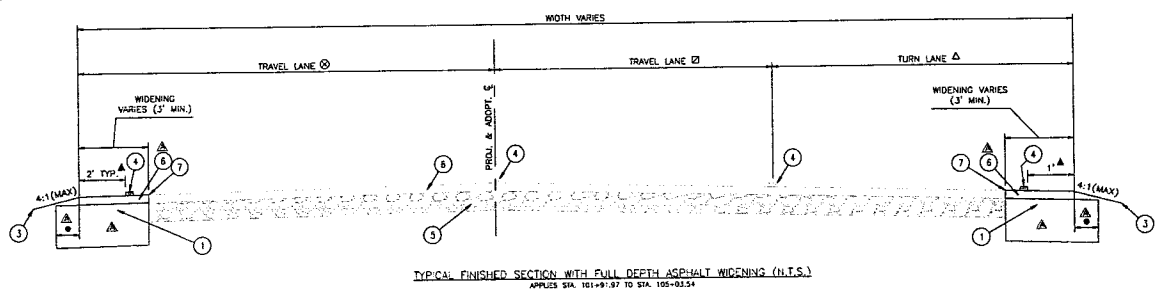
- ⊗ LANE WIDTH VARIES (11' - 18') FROM STA. 101+91.97 TO STA. 103+05.69;
LANE WIDTH VARIES (16' - 18') FROM STA. 103+05.69 TO STA. 104+70.63;
LANE WIDTH 18' FROM STA. 104+70.63 TO STA. 105+66.37;
LANE WIDTH VARIES (18' - 23.5') FROM STA. 105+66.37 TO STA. 106+06.58.
- ⊘ LANE WIDTH 11' FROM STA. 101+91.97 TO STA. 105+03.34;
LANE WIDTH VARIES (11' - 12') FROM STA. 105+03.34 TO STA. 105+38.75;
LANE WIDTH 12' FROM STA. 105+38.75 TO STA. 105+72.29.
(STRIPING ONLY) PAVEMENT LANE WIDTH 12' FROM STA. 105+72.29 TO STA. 106+06.58.
- △ TURN LANE WIDTH VARIES (0' - 12') FROM STA. 101+91.97 TO STA. 104+36.97;
TURN LANE WIDTH 12' FROM STA. 104+36.97 TO STA. 105+03.34;
TURN LANE WIDTH VARIES (12' - 13') FROM STA. 105+03.34 TO STA. 105+38.75;
TURN LANE WIDTH 13' FROM STA. 105+38.75 TO STA. 105+72.29.
(STRIPING ONLY) PAVEMENT LANE WIDTH 13' FROM STA. 105+72.29 TO STA. 105+80.21;
(STRIPING ONLY) PAVEMENT LANE WIDTH VARIES (15' - 20.4') FROM STA. 105+80.21 TO STA. 106+06.58.
- ▲ STRIPING 1' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 100+20.00 TO STA. 105+03.34;
STRIPING 1' - 2' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 105+03.34 TO STA. 105+38.75;
STRIPING 2' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 105+38.75 TO STA. 106+06.58.
STRIPING 1' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 100+20.00 TO STA. 101+91.97;
STRIPING 1' - 2' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 101+91.97 TO STA. 103+05.69;
STRIPING 2' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 103+05.69 TO STA. 106+06.58.



digital engineering
DIGITAL ENGINEERING & IMAGING, INC.
577 W. ESPLANADE AVE., STE. 200
KENNER, LA. 70065 • PH. (504) 489-6129

VOID	
<p>PROJECT NO. P230008 DATE JANUARY 12, 2024 DRAWN BY J. CHARLES CHECKED BY SCALE</p>	<p>STATE OF LOUISIANA COUNTY OF ORLEANS WILLOWDALE TURN LANE</p>
TYPICAL SECTIONS AND DETAILS	
2 of 2	03

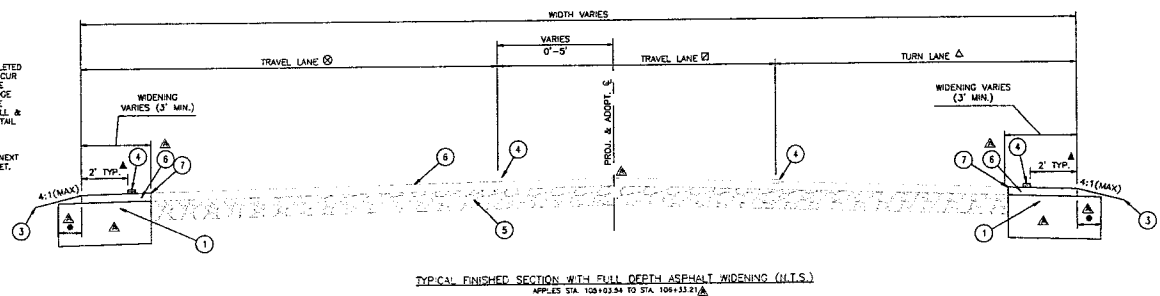
- 1 18" SUPERPAVE *A ASPHALTIC CONCRETE
- 2 B-CLASS II-BASE COURSE
- 3 2" SHOULDER (AGGREGATE SURFACE COURSE)
- 4 PAVEMENT STRIPING
- 5 EXISTING BASE
- 6 SEE MILL & OVERLAY TYPICAL SECTION
- 7 SAWCUT EXISTING EDGE OF ROAD FOR WIDENING WORK
- 8 GEOTEXTILE FABRIC



TYPICAL FINISHED SECTION WITH FULL DEPTH ASPHALT WIDENING (N.T.S.)
APPLIES STA. 101+91.97 TO STA. 105+03.54

- NOTES:
- PAVEMENT WIDENING WILL BE COMPLETED BEFORE MILL AND OVERLAY CAN OCCUR OVER ENTIRE ROADWAY SURFACE. BE SURE TO INSTALL A SHOULDER WEDGE ALONG THE EDGE OF ROADWAY. SEE TYPICAL FINISHED SECTION FOR MILL & OVERLAY AND SHOULDER WEDGE DETAIL ON THE NEXT SHEET.
 - FOR EMBANKMENT WIDENING AND GUARDRAIL PAD INFORMATION, SEE NEXT SHEET AND GUARDRAIL LAYOUT SHEET.

▲ *PAD FOR UNDER ITEM 041, ASPHALT WIDENING (16" THICK)



TYPICAL FINISHED SECTION WITH FULL DEPTH ASPHALT WIDENING (N.T.S.)
APPLIES STA. 105+03.54 TO STA. 106+33.21

- ⊙ LANE WIDTH VARIES (11' - 12') FROM STA. 101+91.97 TO STA. 103+05.69;
LANE WIDTH VARIES (16' - 18') FROM STA. 103+05.69 TO STA. 104+70.63;
LANE WIDTH 18' FROM STA. 104+70.63 TO STA. 105+86.37;
LANE WIDTH VARIES (18' - 23.5') FROM STA. 105+86.37 TO STA. 106+06.58.
- ⊙ LANE WIDTH 11' FROM STA. 101+91.97 TO STA. 105+03.54;
LANE WIDTH VARIES (11' - 12') FROM STA. 105+03.54 TO STA. 105+38.75;
LANE WIDTH 12' FROM STA. 105+38.75 TO STA. 105+72.29.
(STRIPING ONLY) PAVEMENT LANE WIDTH 12' FROM STA. 105+72.29 TO STA. 106+06.58.
- △ TURN LANE WIDTH VARIES (0' - 12') FROM STA. 101+91.97 TO STA. 104+36.97;
TURN LANE WIDTH 12' FROM STA. 104+36.97 TO STA. 105+03.54;
TURN LANE WIDTH VARIES (12' - 13') FROM STA. 105+03.54 TO STA. 105+38.75;
TURN LANE WIDTH 13' FROM STA. 105+38.75 TO STA. 105+72.29.
(STRIPING ONLY) PAVEMENT LANE WIDTH 13' FROM STA. 105+72.29 TO STA. 105+80.21;
(STRIPING ONLY) PAVEMENT LANE WIDTH VARIES (13' - 20.4') FROM STA. 105+80.21 TO STA. 106+06.58.
- ▲ STRIPING 1' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 100+20.00 TO STA. 105+03.54;
STRIPING 1' - 2' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 105+03.54 TO STA. 105+38.75;
STRIPING 2' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 105+38.75 TO STA. 106+33.21; ▲
STRIPING 1' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 100+20.00 TO STA. 101+91.97;
STRIPING 1' - 2' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 101+91.97 TO STA. 103+05.69;
STRIPING 2' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 103+05.69 TO STA. 106+33.21; ▲

- ▲ BASE EXTENSION FROM EDGE OF FINISHED ROADWAY:
RIGHT SIDE
1' EXTENSION FROM STA. 101+91.97 TO STA. 102+01.99;
1' - 0.5' FROM STA. 102+01.99 TO STA. 102+17.63;
0.5' EXTENSION FROM STA. 102+17.63 TO STA. 105+05.63;
0.5' - 1' EXTENSION FROM STA. 105+05.63 TO STA. 105+16.51;
1' EXTENSION FROM STA. 105+16.51 TO STA. 106+33.21;
LEFT SIDE
1' EXTENSION FROM STA. 101+91.97 TO STA. 102+71.56;
1' - 0.5' EXTENSION FROM STA. 102+71.56 TO STA. 102+84.82;
0.5' EXTENSION FROM STA. 102+84.82 TO STA. 104+10.26;
0.5' - 1' EXTENSION FROM STA. 104+10.26 TO STA. 104+18.53;
1' EXTENSION FROM STA. 104+18.53 TO STA. 105+23.66;
1' - 0.5' EXTENSION FROM STA. 105+23.66 TO STA. 105+32.86;
0.5' EXTENSION FROM STA. 105+32.86 TO STA. 105+70.30;
1' EXTENSION FROM STA. 105+70.30 TO STA. 105+80.23;
1' EXTENSION FROM STA. 105+80.23 TO 106+33.21.



CHANGE ORDER AND/OR SPECIAL AGREEMENT

digital engineering
DIGITAL ENGINEERING & IMAGING, INC.
677 W. ESPLANADE AVE., STE. 200
KENNER, LA 70002-4744 (504) 488-8128

PROJECT NO.	123456
DATE	12/31/2024
DESIGNED BY	J. SMITH
CHECKED BY	M. JONES
IN CHARGE	K. BROWN
SCALE	AS SHOWN
DATE	12/31/2024
PROJECT	ROADWAY IMPROVEMENT
LOCATION	WILLOWDALE TURN LANE
SHEET NO.	2 OF 2
DATE	03/21

VOID

PRELIMINARY SUMMARY OF ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
010	TEMPORARY CONSTRUCTION SIGNS AND BARRICADES	1	LS
020	COLD PLANE (2" THICK)	1,810	SY
030	ASPHALT PAVEMENT OVERLAY (2" THICK)	1,810	SY
031	ASPHALT PAVEMENT GUARDRAIL PAD (4" THICK)	236	SY
040	ASPHALT PATCHING (14" THICK)	159.7	TON
050	CLASS II BASE COURSE (8" THICK)	387.2	SY
060	REMOVAL OF GUARD RAIL	372.8	LF
061	BLOCKED OUT GUARD RAIL - 31", (6'-3" POST SPACING)	225	LF
062	GUARD RAIL END TREATMENT, MASH, (TL-3 TANGENT)	4	EA
063	REMOVAL OF TYPE 3 OBJECT MARKER	8	EA
064	REQUIRED TYPE 3 OBJECT MARKER	4	EA
070	RELOCATION OF INFRASTRUCTURE ITEMS	1	LS
080	SHOULDER MATERIAL (STONE FILL)	101	SY
090	HYDRO-SEEDING	0.07	ACRE
100	PLASTIC PAVEMENT STRIPING (SOLID LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.408	MILE
101	PLASTIC PAVEMENT STRIPING (BROKEN LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.093	MILE
102	PLASTIC PAVEMENT STRIPING (SOLID LINE)(8" WIDTH)(THERMOPLASTIC 90 MIL)	50	LF
103	PLASTIC PAVEMENT STRIPING (24" WIDTH)(THERMOPLASTIC 125 MIL)	30	LF
104	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - LEFT TURN)	2	EA
105	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - RIGHT TURN)	2	EA
110	EXCAVATION AND EMBANKMENT	1	LS
120	MOBILIZATION / DEMOBILIZATION	1	LS



digital engineering
 DIGITAL ENGINEERING & IMAGING, INC.
 527 W. ESPLANADE AVE., STE. 200
 KENNER, LA. 70005 - PH: (504) 466-4129

PROJECT NO.	PC20004
DATE	12/15/2010
STATE	LA
COUNTY	ORLEANS
TITLE	LOUISIANA
SCALE	
PROJECT VALUE	3,500,000.00
PROJECT LOCATION	WILLOWDALE TURN LANE
SUMMARY OF ESTIMATED QUANTITIES	1 of 1

VOID

SUMMARY OF ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
010	TEMPORARY CONSTRUCTION SIGNS AND BARRICADES	1	LS
020	COLD PLANE (2" THICK)	▲ 2,144	SY
030	ASPHALT PAVEMENT OVERLAY (2" THICK)	▲ 2,144	SY
031	ASPHALT PAVEMENT GUARDRAIL PAD (4" THICK)	▲ 236	SY
040	ASPHALT PATCHING (14" THICK)	▲ 19.1	TON
▲ 041	ASPHALT WIDENING (16" THICK)	480.0	TON
050	CLASS II BASE COURSE (8" THICK)	24.8	SY
060	REMOVAL OF GUARD RAIL	372.8	LF
061	BLOCKED OUT GUARD RAIL - 31", (6'-3" POST SPACING)	225	LF
062	GUARD RAIL END TREATMENT, MASH, (TL-3 TANGENT)	4	EA
063	REMOVAL OF TYPE 3 OBJECT MARKER	8	EA
064	REQUIRED TYPE 3 OBJECT MARKER	4	EA
070	RELOCATION OF INFRASTRUCTURE ITEMS	1	LS
080	SHOULDER MATERIAL (STONE FILL)	101	SY
090	HYDRO-SEEDING	0.07	ACRE
100	PLASTIC PAVEMENT STRIPING (SOLID LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.408	MILE
101	PLASTIC PAVEMENT STRIPING (BROKEN LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.093	MILE
102	PLASTIC PAVEMENT STRIPING (SOLID LINE)(8" WIDTH)(THERMOPLASTIC 90 MIL)	50	LF
103	PLASTIC PAVEMENT STRIPING (24" WIDTH)(THERMOPLASTIC 125 MIL)	30	LF
104	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - LEFT TURN)	2	EA
105	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - LEFT TURN)	2	EA
110	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - RIGHT TURN)	1	LS
120	MOBILIZATION / DEMOBILIZATION	1	LS
▲ 130	LOOP DETECTOR	113	LF



CHANGE ORDER AND/OR SPECIAL AGREEMENT

digital engineering
 DIGITAL ENGINEERING & IMAGING, INC.
 527 W. ESPRANADE AVE., STE. 200
 KEENEN, LA. 70003 • PH. (504) 468-6129

PROJECT: P238004
 SHEET: 11 - QUANTITIES
 DATE: 01/20/2021
 PROJECT: P238004-000
 SHEET: 11 - QUANTITIES
 DATE: 01/20/2021

WILLIAMS LURIN LANE

SUMMARY OF ESTIMATED QUANTITIES

1 of 1
 04A

SUMMARY OF ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
010	TEMPORARY CONSTRUCTION SIGNS AND BARRICADES	1	LS
020	COLD PLANE (2" THICK)	2,144	SY
030	ASPHALT PAVEMENT OVERLAY (2" THICK)	2,144	SY
031	ASPHALT PAVEMENT GUARDRAIL PAD (4" THICK)	236	SY
040	ASPHALT PATCHING (14" THICK)	19.1	TON
041	ASPHALT WIDENING (16" THICK)	480.0	TON
050	CLASS II BASE COURSE (6" THICK)	24.8	SY
060	REMOVAL OF GUARD RAIL	372.8	LF
061	BLOCKED OUT GUARD RAIL - 31", (6'-3" POST SPACING)	225	LF
062	GUARD RAIL END TREATMENT, MASH, (TL-3 TANGENT)	4	EA
063	REMOVAL OF TYPE 3 OBJECT MARKER	8	EA
064	REQUIRED TYPE 3 OBJECT MARKER	4	EA
070	RELOCATION OF INFRASTRUCTURE ITEMS	1	LS
080	SHOULDER MATERIAL (STONE FILL)	101	SY
090	HYDRO-SEEDING	0.07	ACRE
100	PLASTIC PAVEMENT STRIPING (SOLID LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.408	MILE
101	PLASTIC PAVEMENT STRIPING (BROKEN LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.093	MILE
102	PLASTIC PAVEMENT STRIPING (SOLID LINE)(8" WIDTH)(THERMOPLASTIC 90 MIL)	50	LF
103	PLASTIC PAVEMENT STRIPING (24" WIDTH)(THERMOPLASTIC 125 MIL)	30	LF
104	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - LEFT TURN)	2	EA
105	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - RIGHT TURN)△	2	EA
110	EXCAVATION AND EMBANKMENT △	1	LS
120	MOBILIZATION / DEMOBILIZATION	1	LS
130	LOOP DETECTOR	113	LF



CHANGE ORDER AND/OR
SPECIAL AGREEMENT



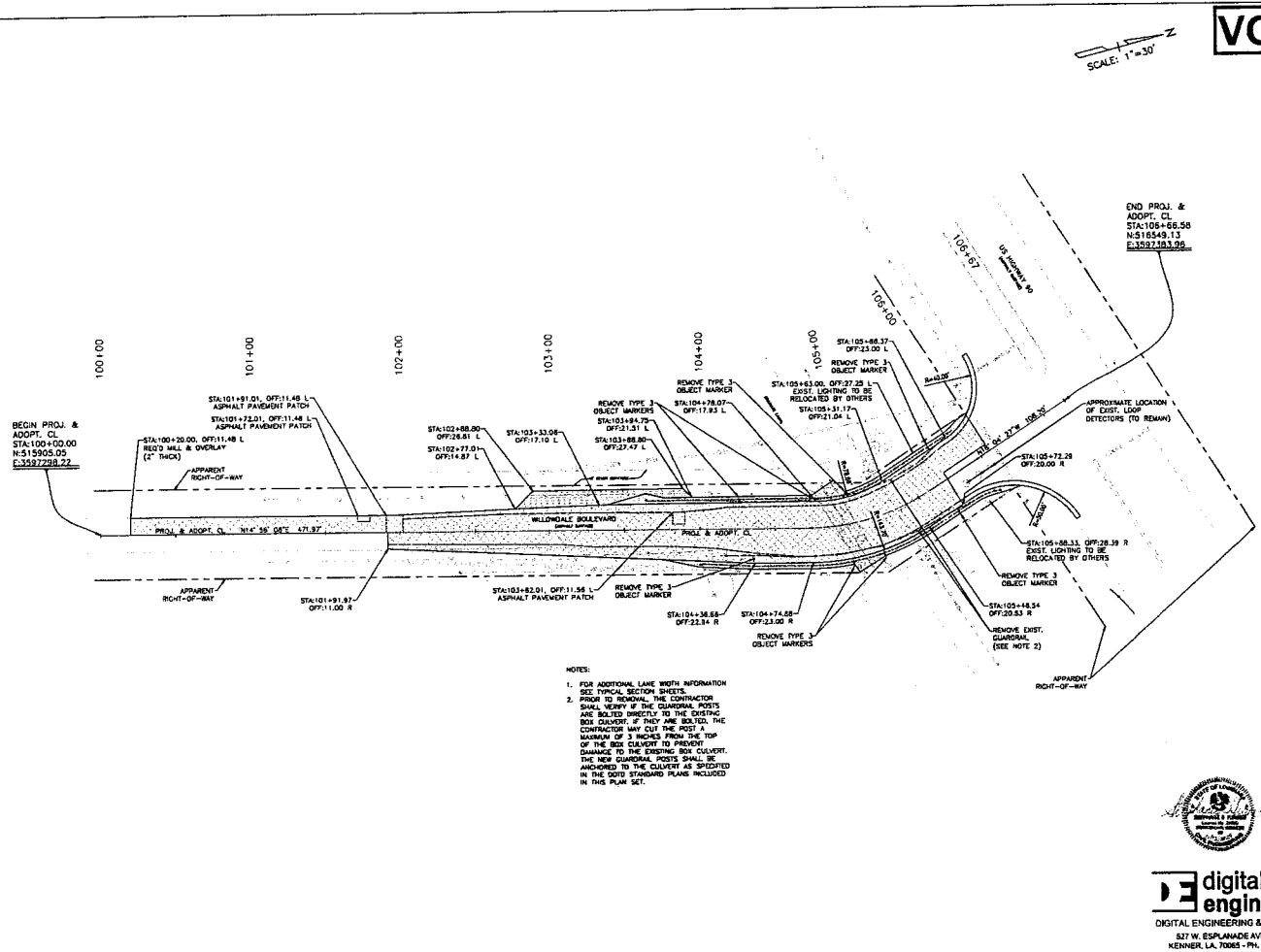
DIGITAL ENGINEERING & IMAGING, INC.
527 W. ESPLANADE AVE., STE. 200
KENNER, LA, 70002-9911 (504) 488-6129

PROJECT NO.		22000001002
DATE		JUNE 10, 2004
PROJECT NAME		STATE ST. CHARLES
PROJECT LOCATION		NEW ORLEANS, LOUISIANA
PROJECT DESCRIPTION		STATE ST. CHARLES
PROJECT OWNER		STATE OF LOUISIANA
PROJECT MANAGER		
PROJECT ENGINEER		
PROJECT CHECKER		
PROJECT APPROVER		
PROJECT REVIEWER		
PROJECT DATE		
PROJECT STATUS		
PROJECT COMMENTS		
PROJECT NOTES		
PROJECT DRAWING NO.		
PROJECT SHEET NO.		1 of 1
PROJECT SCALE		04

VOID

SCALE: 1"=30'

END PROJ. & ADOP. CL
STA:108+66.58
N=518549.13
E=1092183.96



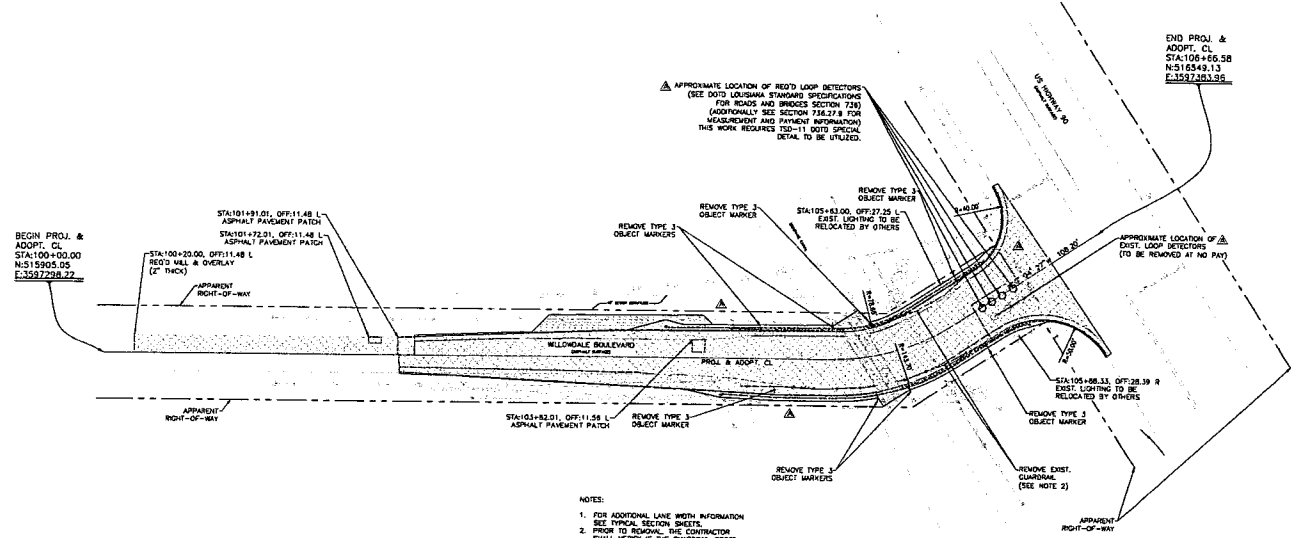
- NOTES:
1. FOR ADDITIONAL LAKE WIDTH INFORMATION SEE TYPICAL SECTION SHEETS.
 2. PRIOR TO REMOVAL THE CONTRACTOR SHALL VERIFY IF THE GUARDRAIL POSTS ARE BOLTED DIRECTLY TO THE EXISTING BOX CULVERT. IF THEY ARE BOLTED THE CONTRACTOR MAY CUT THE POST A MAXIMUM OF 3 INCHES FROM THE TOP OF THE BOX CULVERT TO PREVENT DAMAGE TO THE EXISTING BOX CULVERT. THE NEW GUARDRAIL POSTS SHALL BE MOUNTED TO THE CULVERT AS SPECIFIED IN THE SEPT STANDARD PLANS INCLUDED IN THIS PLAN SET.



digital engineering
DIGITAL ENGINEERING & IMAGING, INC.
637 W. ESPLANADE AVE., STE. 200
KENNER, LA. 70065 - PH. (504) 886-5123

PROJECT NO.	P230909A
DISTRICT	ST. CHARLES
SHEET NO.	1
TITLE	PLAN SHEET
DATE	JANUARY 12, 2024
BY	(Signature)
CHECKED BY	(Signature)
IN CHARGE	(Signature)
DATE	
SCALE	
PROJECT NO.	P230909A
DISTRICT	ST. CHARLES
SHEET NO.	1
TITLE	PLAN SHEET
DATE	JANUARY 12, 2024
BY	(Signature)
CHECKED BY	(Signature)
IN CHARGE	(Signature)
DATE	
SCALE	

SCALE: 1"=30'



NOTES:
 1. FOR ADDITIONAL LANE WIDTH INFORMATION SEE TYPICAL SECTION SHEETS.
 2. PRIOR TO REMOVAL, THE CONTRACTOR SHALL VERIFY IF THE QUADRANT POIDS ARE BOLTED DIRECTLY TO THE EXISTING BOX CULVERT. IF THEY ARE BOLTED, THE CONTRACTOR MAY CUT THE POIST A MAXIMUM OF 3 INCHES FROM THE TOP OF THE BOX CULVERT TO PREVENT DAMAGE TO THE EXISTING BOX CULVERT. THE NEW QUADRANT POIDS SHALL BE ANCHORED TO THE CULVERT AS SPECIFIED IN THE 2010 STANDARD PLANS INCLUDED IN THIS PLAN SET.

END PROJ. & ADOPT. CL STA 105+66.58 N: 516549.13 E: 1597261.56



CHANGE ORDER AND/OR SPECIAL AGREEMENT

digital engineering
 DIGITAL ENGINEERING & IMAGING, INC.
 527 W. ESPLANADE AVE., STE. 200
 KENNER, LA. 70005 - PH. (504) 888-8129

PROJECT NO.	1300006.000
DATE	JANUARY 12, 2006
DRAWN BY	ST. CHARLES
CHECKED BY	ST. CHARLES
SCALE	AS SHOWN
TITLE	WILLOWDALE TURNLANE
SHEET NO.	1 OF 1
DATE	05A

June 13, 2024

District 02
Permit No 02020160
Project Permit
US 90 - St. Charles Parish

St. Charles Parish Government
Miles B. Bingham, P.E.
100 River Oaks Drive
Destrehan, LA 70047


Per your request, we are amending the above LA DOTD Project Permit Number 02020160. The approved permit was for work in the St. Charles Parish Government Project to improve the intersection and turn lane at the intersection of Willowdale Blvd with US 90. The original permit work avoided the existing traffic loops at the intersection to tie-in to US 90. The replacement of the traffic loops and incidental changes to the scope are being added to the Project Permit. The added work was reviewed and the District Engineers have no objections to the plan changes.

In summary, the revisions include full depth asphalt for the asphalt widening, removing the class II base course and geotextile from the widening, revising the crown to remain as the existing crown, updating quantities, adding mill and overlay up to the edge of US 90, are replacing the loops in the newly established left turn lane, following the TSD-11 Special Detail.

The loop work will include asphalt work at the new loop location and tie into existing. The following items are recommended to be added to the project with minimal quantity in case they are needed for the tie-in: Conduit (1/2" HDPE, Schedule 80), Conduit (1" HDPE, Schedule 80), and Trenching and Backfilling. St. Charles Parish and/or the contractor should contact the District Traffic Engineering office to verify layout of loop detectors prior to sawcutting and with the final loop layout.

All other conditions, amendments and provisions of the original permit shall still apply.

Sincerely,


For Scott G. Boyle, P.E., PTOE
District 02 Engineer Administrator

SGB/dv
Cf: Headquarters

Danielle Valladares

From: Zachary Pollock <zpollock@stcharlesgov.net>
Sent: Thursday, June 13, 2024 9:54 AM
To: Bao Le
Cc: Stephanie Turner; Danielle Valladares; Hailey Robert; Parker Rogers; Stacey Rogers
Subject: Willowdale Turn Lane Project - Loops

Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL EMAIL: Please do not click on links or attachments unless you know the content is safe.

Long,

Following up from our conversation earlier. Please confirm that we are OK to proceed with Milling the loops on Willowdale Blvd.

We will also consider trench & backfill work for the line feeding the loops and will contact DOTD for confirmation on new loop locations.

Thanks

Zach

Zachary Pollock, P.E., M.S.
985-331-4473
St. Charles Parish
Department of Public Works
Parish Engineer II

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Danielle Valladares

From: Stephanie Turner <sturner@deii.net>
Sent: Monday, June 10, 2024 2:23 PM
To: Danielle Valladares
Cc: Corbett Hollier; Nelson Capote; Valetton, Christian (Barriere Construction); Bao Le; Zachary Pollock; Hailey Robert
Subject: RE: Willowdale Blvd. and US 90 Loop Detectors
Attachments: 20240610_P230804_Willowdale Turn Lane_ADD 03A, 04A, 05A, 214A, VOID 03-05_Revision A.pdf

EXTERNAL EMAIL: Please do not click on links or attachments unless you know the content is safe.

Danielle,

Please see the revised plans that include TSD-11.

In summary, we revised the typical section to be full depth asphalt for the widening, removed the class ii base course and geotextile from the widening, revised the crown to remain the existing crown, updated quantities, added mill and overlay up to the edge of US 90, are replacing the loops in the newly established left turn lane, and included the TSD-11 Special Detail. Please let me know if you have any questions or need any additional information in order to update/approve the permit.

Thanks,

Mrs. Stephanie B. Turner, P.E., PMP
Senior Project Manager

O: 504.468.6129 | C: 225.202.8526 | sturner@deii.net

From: Danielle Valladares <Danielle.Valladares@la.gov>
Sent: Tuesday, June 4, 2024 9:52 AM
To: Stephanie Turner <sturner@deii.net>
Cc: Corbett Hollier <Corbett.Hollier@LA.GOV>; Nelson Capote <Nelson.Capote@LA.GOV>; Valetton, Christian (Barriere Construction) <christianv@barriere.com>; Bao Le <Bao.Le@LA.GOV>; Zachary Pollock <zpollock@stcharlesgov.net>; Hailey Robert <Hailey.Robert@LA.GOV>
Subject: RE: Willowdale Blvd. and US 90 Loop Detectors

Stephanie,

The attached is the approved permit plans for the Willowdale Turn lane. We will need the plan sheets updated to show the loops are being included and any other work being added or changed from the approved plans. For example plan sheet 5 shows no work by the loops. We will review and issue a permit amendment then the work can proceed. You should also include the Loop and sawcut DOTD standard plans and we will include them in the amendment.

DOTD Standard Plans Website:

http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Standard_Plans/Pages/default.aspx

Please let us know if you have any additional questions.

Thank you,

Danielle Valladares, P.E.

District 02 Construction Coordinator
Permits & Utilities Engineer
Louisiana Dept of Transportation & Development
Office: (504) 437-3190

From: Bao Le <Bao.Le@LA.GOV>
Sent: Monday, June 3, 2024 1:41 PM
To: Zachary Pollock <zpollock@stcharlesgov.net>
Cc: Corbett Hollier <Corbett.Hollier@LA.GOV>; Nelson Capote <Nelson.Capote@LA.GOV>; Stephanie Turner <sturner@deii.net>; Valetton, Christian (Barriere Construction) <christianv@barriere.com>; Danielle Valladares <Danielle.Valladares@la.gov>
Subject: RE: Willowdale Blvd. and US 90 Loop Detectors

Good afternoon Zachary,

Since the Parish is now looking to replace the loop detectors on the Willowdale due to construction impacts, the plans would have to be updated and resubmitted to the District permit office to show the loop detector work. The Department's standard detail for loop detectors would have to be included with plans. If you have any questions or require additional information, please let me know.

Thanks,

Bao Long Le, P.E.
District Traffic Operations Engineer
LADOTD District 02
Phone: (504) 484-0201

This correspondence and the information contained herein is prepared solely for the purpose of identifying, evaluating and planning safety improvements on public roads which may be implemented utilizing federal aid highway funds; and is therefore exempt from discovery or admission into evidence pursuant to 23 U.S.C. 407.

From: Zachary Pollock <zpollock@stcharlesgov.net>
Sent: Monday, June 3, 2024 10:21 AM
To: Bao Le <Bao.Le@LA.GOV>
Cc: Corbett Hollier <Corbett.Hollier@LA.GOV>; Nelson Capote <Nelson.Capote@LA.GOV>; Stephanie Turner <sturner@deii.net>; Valetton, Christian (Barriere Construction) <christianv@barriere.com>
Subject: RE: Willowdale Blvd. and US 90 Loop Detectors

EXTERNAL EMAIL: Please do not click on links or attachments unless you know the content is safe.

Bao,

We also want to inform you that we will be closing Willowdale Blvd. northbound from E. Heather to US 90 starting today through August 12th. Traffic will be detoured along E. Heather to Lakewood Blvd.

Please let me know when you have time to discuss the loop detectors.

Thanks

Zachary Pollock, P.E., M.S.
985-331-4473
St. Charles Parish
Department of Public Works
Parish Engineer II

From: Zachary Pollock
Sent: Thursday, May 30, 2024 8:29 AM
To: Bao Le <Bao.Le@la.gov>
Cc: corbett.hollier@la.gov; Stephanie Turner <sturner@deii.net>
Subject: Willowdale Blvd. and US 90 Loop Detectors

Good Morning Bao,

We have a mill and overlay project at the intersection of US 90 and Willowdale Blvd. in Luling. The project was designed to avoid the loops but now we are looking into replacing them in the project.

What is the process between the Parish and DOTD for having them replaced in our project? We will send plans to the permit office once they are updated.

Please feel free to call at the number below to discuss.

Thanks

Zachary Pollock, P.E., M.S.
985-331-4473
St. Charles Parish
Department of Public Works
Parish Engineer II

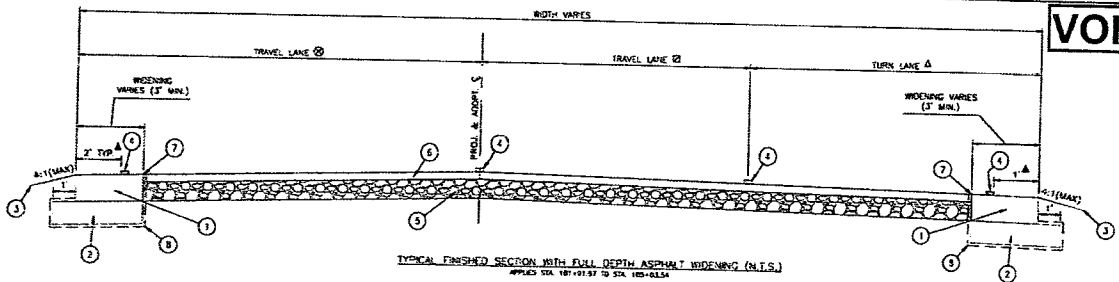
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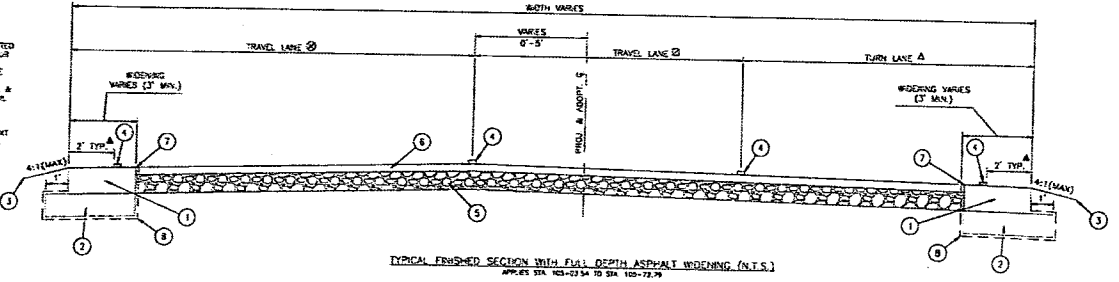
[EXTERNAL EMAIL - This email is from outside of Digital Engineering. Use caution when clicking on links or attachments.]

- 1 14" SUPERPAVE + ASPHALTIC CONCRETE
- 2 8" CLASS V BASE COURSE
- 3 SHOULDER (AGGREGATE SURFACE COURSE)
- 4 PAVEMENT STRIPING
- 5 EXISTING BASE
- 6 SEE MILL & OVERLAY TYPICAL SECTION
- 7 SAWTOOTH EXISTING EDGE OF ROAD FOR WIDENING WORK
- 8 GEOTEXTILE FABRIC

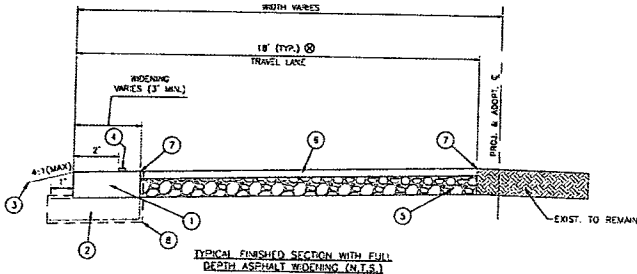


- NOTES:
1. PAVEMENT WIDENING WILL BE COMPLETED BEFORE MILL AND OVERLAY CAN OCCUR ON THE ENTIRE ROADWAY SURFACE. BE SURE TO INSTALL A SHOULDER WEDGE ALONG THE EDGE OF ROADWAY. SEE TYPICAL FINISHED SECTION FOR MILL & OVERLAY AND SHOULDER WEDGE DETAIL ON THE NEXT SHEET.
 2. FOR EMBANKMENT WIDENING AND GUARDRAIL PAD INFORMATION, SEE NEXT SHEET AND GUARDRAIL LAYOUT SHEET.

*PAD FOR UNDER ITEM ON ASPHALT PATCHING (14" THICK)



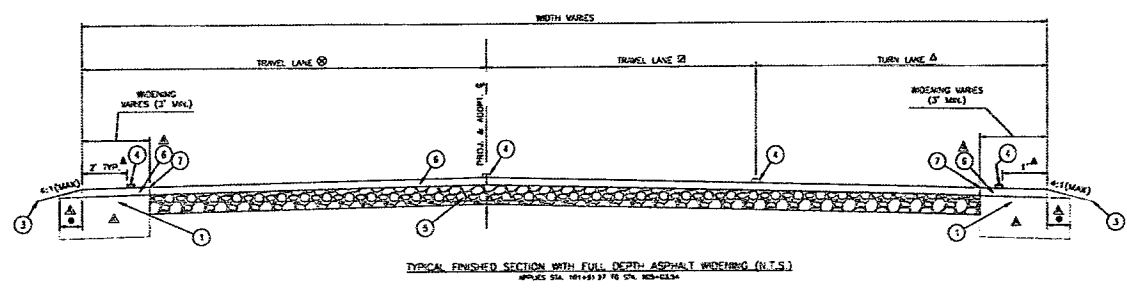
- ⊙ LANE WIDTH VARIES (11' - 18') FROM STA. 101+91.97 TO STA. 103-05.69;
- LANE WIDTH VARIES (18' - 18') FROM STA. 103-05.69 TO STA. 104+70.63;
- LANE WIDTH VARIES (18' - 18') FROM STA. 104+70.63 TO STA. 105+01.54;
- LANE WIDTH VARIES (18' - 23.5') FROM STA. 105+01.54 TO STA. 106+06.58.
- ⊙ LANE WIDTH 11' FROM STA. 101+91.97 TO STA. 105+03.24;
- LANE WIDTH VARIES (11' - 12') FROM STA. 105+03.24 TO STA. 105+38.75;
- LANE WIDTH 12' FROM STA. 105+38.75 TO STA. 105+72.29.
- (STRIPING ONLY) PAVEMENT LANE WIDTH 12' FROM STA. 105+72.29 TO STA. 106+06.58.
- ⊙ TURN LANE WIDTH VARIES (0' - 12') FROM STA. 101+91.97 TO STA. 104+34.97;
- TURN LANE WIDTH 12' FROM STA. 104+34.97 TO STA. 105+03.24;
- TURN LANE WIDTH VARIES (12' - 12') FROM STA. 105+03.24 TO STA. 105+38.75;
- TURN LANE WIDTH 12' FROM STA. 105+38.75 TO STA. 105+72.29.
- (STRIPING ONLY) PAVEMENT LANE WIDTH 12' FROM STA. 105+72.29 TO STA. 105+80.21;
- (STRIPING ONLY) PAVEMENT LANE WIDTH VARIES (12' - 20.4') FROM STA. 105+80.21 TO STA. 106+06.58.
- ⊙ STRIPING 1' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 105+20.00 TO STA. 105+03.24;
- STRIPING 1' - 2' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 105+03.24 TO STA. 105+38.75;
- STRIPING 2' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 105+38.75 TO STA. 105+06.58.
- STRIPING 1' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 105+20.00 TO STA. 101+91.97;
- STRIPING 1' - 2' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 101+91.97 TO STA. 103-05.69;
- STRIPING 2' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 103-05.69 TO STA. 105+06.58.



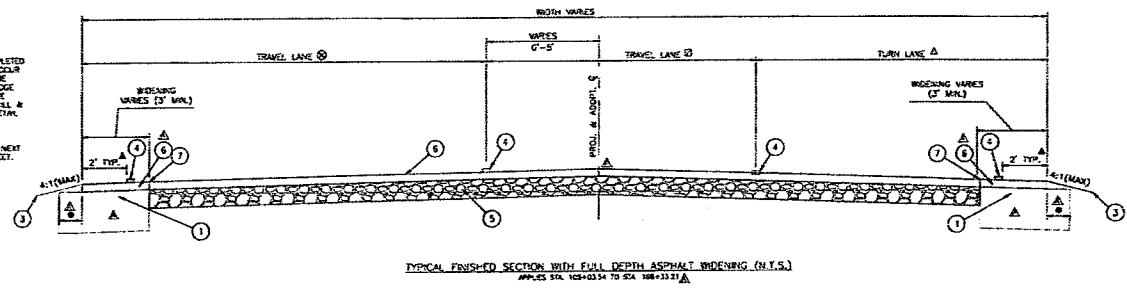
digital engineering
DIGITAL ENGINEERING & SURVEYING, INC.
627 WY. ESKRIDGE AVE., STE. 200
MONROE, LA 70503 - PH: (224) 485-4129

PROJECT NO. 2024-001		DATE: JANUARY 13, 2024	
PROJECT NAME: WILLOWDALE TURN LANE		DRAWN BY: J. M. B.	
PROJECT LOCATION: ST. CHARLES, LOUISIANA		SCALE: AS SHOWN	
PROJECT OWNER: MISSISSIPPI TURNPIKE AUTHORITY		SHEET NO. 2 OF 2	
PROJECT DESCRIPTION: WIDENING AND IMPROVEMENTS TO WILLOWDALE TURN LANE		DATE PLOTTED: 1/13/2024	
PROJECT STATUS: IN PROGRESS		DRAWING NO. 2024-001-02	
PROJECT MANAGER: J. M. B.		DESIGNER: J. M. B.	
PROJECT ENGINEER: J. M. B.		CHECKER: J. M. B.	
PROJECT SUPERVISOR: J. M. B.		APPROVER: J. M. B.	

- ① 18" SUPERPAVE "A" ASPHALTIC CONCRETE
- ② 8" CLASS II BASE COURSE
- ③ 2" SHOULDER (AGGREGATE SURFACE COURSE)
- ④ PAVEMENT STRIPING
- ⑤ EXISTING BASE
- ⑥ SEE WALL & OVERLAY TYPICAL SECTION
- ⑦ SHARPLY EXISTING EDGE OF ROAD FOR WIDENING WORK
- ⑧ BEST PRACTICE PRACTICE



- NOTES:**
1. PAVEMENT WIDENING WILL BE COMPLETED BEFORE WALL AND OVERLAY CAN OCCUR FROM EXISTING ROADWAY SURFACE. BE SURE TO INSTALL A SHOULDER WEDGE ALONG THE EDGE OF ROADWAY. SEE TYPICAL FINISHED SECTION FOR WALL & OVERLAY AND SHOULDER WEDGE DETAIL ON THE NEXT SHEET.
 2. FILL EMBANKMENT WIDENING AND GUARDRAIL PAD INFORMATION, SEE NEXT SHEET AND QUANTITY LAYOUT SHEET.
- △ PAD FOR UNDER ITEM 041, ASPHALT WIDENING (18" THICK)



- ① LANE WIDTH VARIES (11' - 16') FROM STA. 101+91.97 TO STA. 103+05.69;
- LANE WIDTH VARIES (16' - 18') FROM STA. 103+05.69 TO STA. 104+70.53;
- LANE WIDTH 18' FROM STA. 104+70.53 TO STA. 105+06.37;
- LANE WIDTH VARIES (18' - 23.5') FROM STA. 105+06.37 TO STA. 106+06.58.
- ② LANE WIDTH 11' FROM STA. 101+91.97 TO STA. 105+01.54;
- LANE WIDTH VARIES (11' - 12') FROM STA. 105+01.54 TO STA. 105+38.75;
- LANE WIDTH 12' FROM STA. 105+38.75 TO STA. 105+72.29;
- (STRIPING ONLY) PAVEMENT LANE WIDTH 12' FROM STA. 105+72.29 TO STA. 106+06.58.
- △ TURN LANE WIDTH VARIES (9' - 12') FROM STA. 101+91.97 TO STA. 104+36.97;
- TURN LANE WIDTH 12' FROM STA. 104+36.97 TO STA. 105+01.54;
- TURN LANE WIDTH VARIES (12' - 13') FROM STA. 105+01.54 TO STA. 105+38.75;
- TURN LANE WIDTH 13' FROM STA. 105+38.75 TO STA. 105+72.29;
- (STRIPING ONLY) PAVEMENT LANE WIDTH 13' FROM STA. 105+72.29 TO STA. 105+80.21;
- (STRIPING ONLY) PAVEMENT LANE WIDTH VARIES (13' - 20.4') FROM STA. 105+80.21 TO STA. 106+06.58.
- ▲ STRIPING 1' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 100+20.00 TO STA. 105+01.54;
- STRIPING 1' - 2' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 105+01.54 TO STA. 105+38.75;
- STRIPING 2' OFFSET FROM RIGHT EDGE OF ROADWAY FROM STA. 105+38.75 TO STA. 106+33.21;▲
- STRIPING 1' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 100+20.00 TO STA. 101+91.97;
- STRIPING 1' - 2' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 101+91.97 TO STA. 105+05.69;
- STRIPING 2' OFFSET FROM LEFT EDGE OF ROADWAY FROM STA. 105+05.69 TO STA. 106+33.21;▲

- ▲ ● BASE EXTENSION FROM EDGE OF FINISHED ROADWAY:
 - RIGHT SIDE:
 - 1' EXTENSION FROM STA. 101+91.97 TO STA. 102+01.99;
 - 1' - 0.5' FROM STA. 102+01.99 TO STA. 102+17.83;
 - 0.5' EXTENSION FROM STA. 102+17.83 TO STA. 105+05.63;
 - 0.5' - 1' EXTENSION FROM STA. 105+05.63 TO STA. 105+16.51;
 - 1' EXTENSION FROM STA. 105+16.51 TO STA. 106+33.21;
 - LEFT SIDE:
 - 1' EXTENSION FROM STA. 101+91.97 TO STA. 102+71.56;
 - 1' - 0.5' EXTENSION FROM STA. 102+71.56 TO STA. 102+84.62;
 - 0.5' EXTENSION FROM STA. 102+84.62 TO STA. 104+10.28;
 - 0.5' - 1' EXTENSION FROM STA. 104+10.28 TO STA. 104+18.53;
 - 1' EXTENSION FROM STA. 104+18.53 TO STA. 105+23.66;
 - 1' - 0.5' EXTENSION FROM STA. 105+23.66 TO STA. 105+32.88;
 - 0.5' EXTENSION FROM STA. 105+32.88 TO STA. 105+70.30;
 - 0.5' - 1' EXTENSION FROM STA. 105+70.30 TO STA. 105+80.23;
 - 1' EXTENSION FROM STA. 105+80.23 TO 106+33.21.

CHANGE ORDER AND/OR SPECIAL AGREEMENT

digital engineering

 DIGITAL ENGINEERING & IMAGING, INC.

 527 W. ESPLANADE AVE., STE. 209

 KENNER, LA 70002 - PH: 504-488-8129

PROJECT NO.	10000	DATE	JANUARY 12, 2004	DRAWN BY	ST. CHARLES
CHECKED BY		DATE		PROJECT	PARADISE
APPROVED BY		DATE		SCALE	AS SHOWN
TYPICAL SECTIONS AND DETAILS					
MILL/PAVE TURN LANE					
1					
2 of 2					

VOID

PRELIMINARY SUMMARY OF ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
010	TEMPORARY CONSTRUCTION SIGNS AND BARRICADES	1	LS
020	COLD PLANE (2" THICK)	1,810	SY
030	ASPHALT PAVEMENT OVERLAY (2" THICK)	1,810	SY
031	ASPHALT PAVEMENT GUARDRAIL PAD (4" THICK)	236	SY
040	ASPHALT PATCHING (14" THICK)	159.7	TON
050	CLASS II BASE COURSE (6" THICK)	387.2	SY
060	REMOVAL OF GUARD RAIL	372.8	LF
061	BLOCKED OUT GUARD RAIL - 31", (6'-3" POST SPACING)	225	LF
062	GUARD RAIL END TREATMENT, MASH. (TL-3 TANGENT)	4	EA
063	REMOVAL OF TYPE 3 OBJECT MARKER	8	EA
064	REQUIRED TYPE 3 OBJECT MARKER	4	EA
070	RELOCATION OF INFRASTRUCTURE ITEMS	1	LS
080	SHOULDER MATERIAL (STONE FILL)	101	SY
090	HYDRO-SEEDING	0.07	ACRE
100	PLASTIC PAVEMENT STRIPING (SOLID LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.408	MILE
101	PLASTIC PAVEMENT STRIPING (BROKEN LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.093	MILE
102	PLASTIC PAVEMENT STRIPING (SOLID LINE)(8" WIDTH)(THERMOPLASTIC 90 MIL)	50	LF
103	PLASTIC PAVEMENT STRIPING (24" WIDTH)(THERMOPLASTIC 125 MIL)	30	LF
104	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - LEFT TURN)	2	EA
105	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - RIGHT TURN)	2	EA
110	EXCAVATION AND EMBANKMENT	1	LS
120	MOBILIZATION / DEMOBILIZATION	1	LS



digital engineering
 DIGITAL ENGINEERING & IMAGING, INC.
 52716 ESPERANZA AVE., STE. 200
 HOUMA, LA 70063 - PH. (504) 466-8729

PROJECT NO. 240000000
 DATE: JANUARY 12, 2021
 DRAWN BY: [blank]
 CHECKED BY: [blank]
 APPROVED BY: [blank]
 PROJECT LOCATION: [blank]
 SHEET NO. 1 OF 1
 SUMMARY OF ESTIMATED QUANTITIES
 MILL/OWENS/LE TURN LANE

SUMMARY OF ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
010	TEMPORARY CONSTRUCTION SIGNS AND BARRICADES	1	LS
020	COLD PLANE (2" THICK)	Δ 2,144	SY
030	ASPHALT PAVEMENT OVERLAY (2" THICK)	Δ 2,144	SY
031	ASPHALT PAVEMENT GUARDRAIL PAD (4" THICK)	Δ 236	SY
040	ASPHALT PATCHING (14" THICK)	Δ 19.1	TON
041	ASPHALT WIDENING (16" THICK)	480.0	TON
050	CLASS II BASE COURSE (8" THICK)	24.8	SY
060	REMOVAL OF GUARD RAIL	372.8	LF
061	BLOCKED OUT GUARD RAIL - 31", (6'-3" POST SPACING)	225	LF
062	GUARD RAIL END TREATMENT, MASH, (TL-3 TANGENT)	4	EA
063	REMOVAL OF TYPE 3 OBJECT MARKER	8	EA
064	REQUIRED TYPE 3 OBJECT MARKER	4	EA
070	RELOCATION OF INFRASTRUCTURE ITEMS	1	LS
080	SHOULDER MATERIAL (STONE FILL)	101	SY
090	HYDRO-SEEDING	0.07	ACRE
100	PLASTIC PAVEMENT STRIPING (SOLID LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.408	MILE
101	PLASTIC PAVEMENT STRIPING (BROKEN LINE)(4" WIDTH)(THERMOPLASTIC 90 MIL)	0.093	MILE
102	PLASTIC PAVEMENT STRIPING (SOLID LINE)(8" WIDTH)(THERMOPLASTIC 90 MIL)	50	LF
103	PLASTIC PAVEMENT STRIPING (24" WIDTH)(THERMOPLASTIC 125 MIL)	30	LF
104	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - LEFT TURN)	2	EA
105	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - LEFT TURN)	2	EA
110	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (ARROW - RIGHT TURN)	1	LS
120	MOBILIZATION / DEMOBILIZATION	1	LS
130	LOOP DETECTOR	113	LF



CHANGE ORDER AND/OR
SPECIAL AGREEMENT

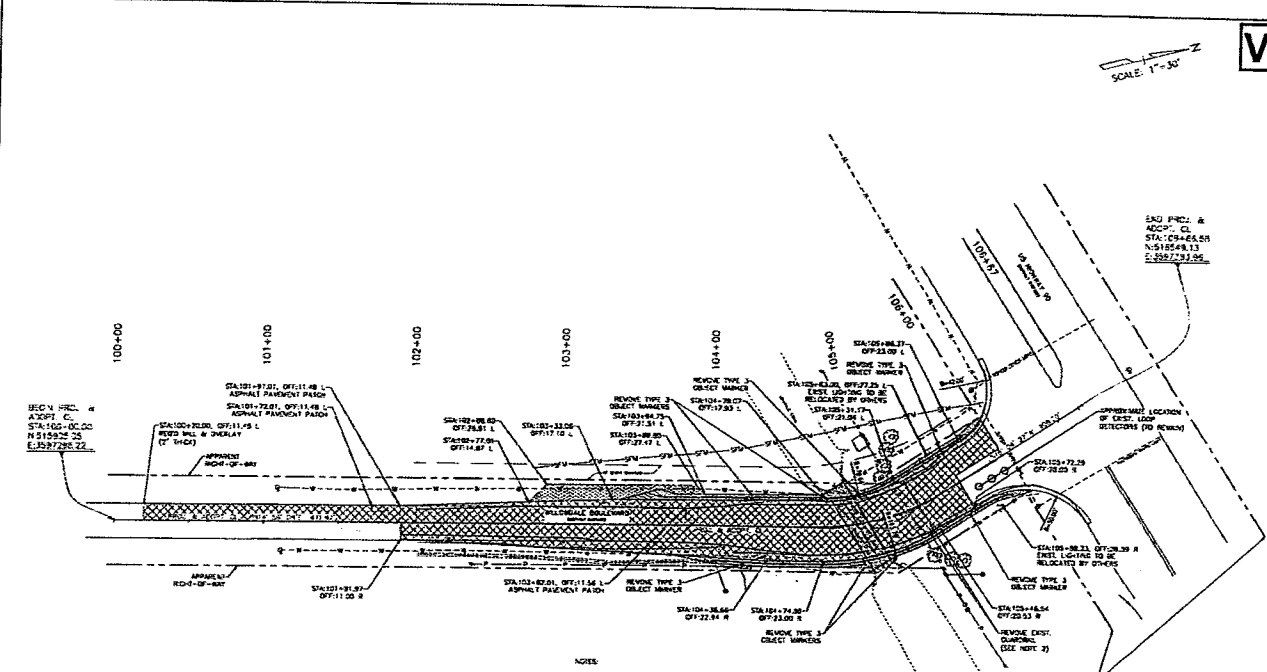
digital
engineering

DIGITAL ENGINEERING & DESIGN, INC.
877 W. ESPLANADE AVE., STE. 200
MONROE, LA 70005 - PH: 504-484-4129

PROJECT NO.	130000
DATE	01/12/2020
PROJECT NAME	ST. CHARLES
PROJECT LOCATION	MONROE, LA
PROJECT TYPE	CONSTRUCTION
PROJECT STATUS	PROPOSED
PROJECT PHASE	ESTIMATE
PROJECT DESCRIPTION	WILLOWDALE TURN LANE
PROJECT DRAWING	
PROJECT SHEET	1 OF 1
PROJECT DATE	01/12/2020

VOID

SCALE: 1" = 30'



NOTES:
1. FOR ADDITIONAL WORK INFORMATION SEE OTHER SHEETS.
2. PRIOR TO REMOVAL, THE CONTRACTOR SHALL VERIFY IF THE GUARDRAIL POSTS ARE BOLDED CORRECTLY TO THE EXISTING SUB-CURBING. IF THEY ARE BOLDED, THE CONTRACTOR SHALL CUT THE POSTS A MINIMUM OF 3 FEET FROM THE TOP OF THE SUB-CURBING TO PREVENT DAMAGE TO THE EXISTING SUB-CURBING. THE NEW GUARDRAIL POSTS SHALL BE ANCHORED TO THE CURBING AS SPECIFIED IN THE 2005 STANDARD PLANS SECURED IN THIS PLAN SET.



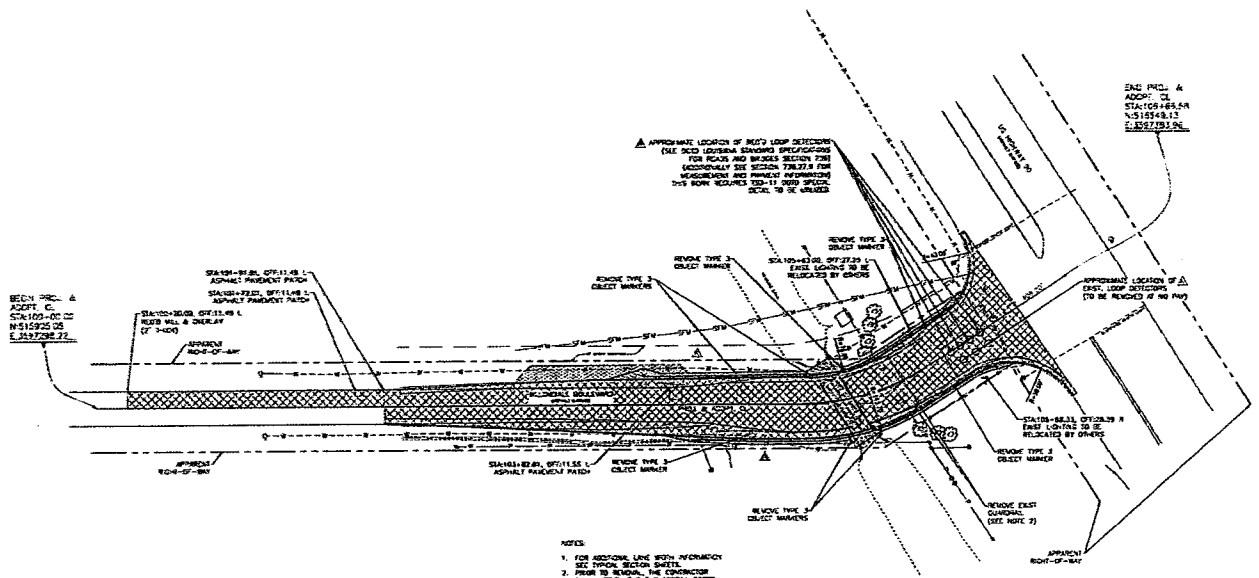
digital engineering
DIGITAL ENGINEERING & SURVEYING, INC.
527 W. ESPLANADE AVE., STE. 200
KENNER, LA 70055 - PH: (504) 488-0129

PROJECT NO.	2004000000
DATE	JANUARY 19, 2004
BY	ST. CHARLES
CHECKED BY	ST. CHARLES
SCALE	1" = 30'
TITLE	VOID
LOCATION	WALLINGDALE TURN LANE

PLAN SHEET
WALLINGDALE TURN LANE

NO.	1 OF 1
DATE	03
BY	ST

SCALE: 1"=30'



REVISION PROC. A
 ADJUST. C
 STA 10+00.00 TO
 STA 11+00.00
 E. 2/27/2012

END PROJ. A
 ADJUST. C
 STA 10+00.00 TO
 STA 11+00.00
 E. 2/27/2012

- NOTES:
1. FOR ADDITIONAL LINE WITH INFORMATION SEE REVISION SECTION SHEET.
 2. PRIOR TO INSTALLING THE CONCRETE SHALL VERIFY IF THE CONCRETE PAVEMENT IS TO BE PLACED OVER THE EXISTING PAVEMENT. IF NOT, THE CONTRACTOR SHALL VERIFY THE DEPTH OF THE EXISTING PAVEMENT IS AT LEAST 4 INCHES FROM THE TOP OF THE BEST AVAILABLE TO PREVENT DAMAGE TO THE EXISTING ROAD CURB. THE NEW CURB SHALL BE PLACED TO THE CENTER AS SPECIFIED IN THE REVISION SECTION SHEET SHOWN IN THIS PLAN SET.



CHANGE ORDER AND/OR SPECIAL AGREEMENT

digital engineering
 DIGITAL ENGINEERING & DESIGN, INC.
 577 W. ESPLANADE AVE., STE. 200
 Kenner, LA 70002 - Ph: (504) 468-8129

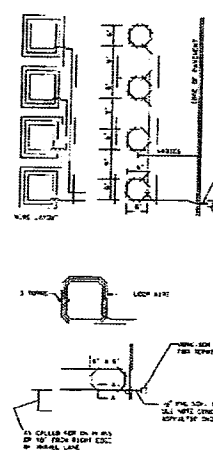
PROJECT NO.	10000	DATE	JANUARY 12, 2011
PROJECT NAME	WILLOWDALE TURN LANE		
CLIENT	STATE OF LOUISIANA		
DESIGNER	S. CHARLES		
CHECKER	S. CHARLES		
DATE PLOTTED	2/27/2012		
SCALE	1"=30'		
SHEET NO.	1	TOTAL SHEETS	1
PROJECT LOCATION	WILLOWDALE TURN LANE		

3-2277/0434

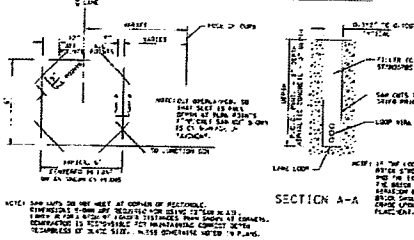
TYPICAL SAW CUT LAYOUT

NOTES:

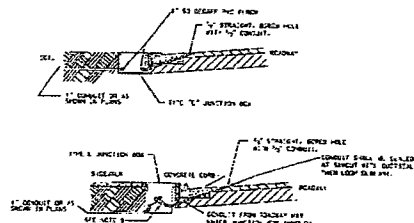
1. SAW CUT SHALL BE MADE AT CORNER AND 18" FROM EDGE OF PAVEMENT.
2. ALL SAW CUTS SHALL BE MADE TO 3/4" DEPTH.
3. THE DISTANCE BETWEEN SAW CUTS SHALL BE 48" TO 60" UNLESS OTHERWISE SHOWN ON THE DRAWING.
4. THE DISTANCE BETWEEN SAW CUTS SHALL BE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
5. THE DISTANCE BETWEEN SAW CUTS SHALL BE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
6. THE DISTANCE BETWEEN SAW CUTS SHALL BE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
7. THE DISTANCE BETWEEN SAW CUTS SHALL BE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
8. THE DISTANCE BETWEEN SAW CUTS SHALL BE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
9. THE DISTANCE BETWEEN SAW CUTS SHALL BE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
10. THE DISTANCE BETWEEN SAW CUTS SHALL BE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
11. THE DISTANCE BETWEEN SAW CUTS SHALL BE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
12. THE DISTANCE BETWEEN SAW CUTS SHALL BE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.



LCCP SAW-CUT CONFIGURATION



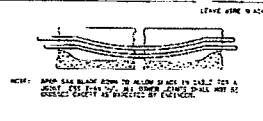
TYPICAL LOOP LEAD-IN INSTALLATION



NOTES:

1. THE LCCP SHALL BE MADE AT CORNER AND 18" FROM THE EDGE OF THE PAVEMENT.
2. THE LCCP SHALL BE MADE TO 3/4" DEPTH.
3. THE LCCP SHALL BE MADE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
4. THE LCCP SHALL BE MADE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
5. THE LCCP SHALL BE MADE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
6. THE LCCP SHALL BE MADE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
7. THE LCCP SHALL BE MADE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
8. THE LCCP SHALL BE MADE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
9. THE LCCP SHALL BE MADE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
10. THE LCCP SHALL BE MADE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
11. THE LCCP SHALL BE MADE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.
12. THE LCCP SHALL BE MADE 18" FROM THE EDGE OF THE PAVEMENT UNLESS OTHERWISE SHOWN ON THE DRAWING.

PAVEMENT JOINT & CRACK SECTION



CHANGE ORDER AND/OR SPECIAL AGREEMENT

THESE STANDARD PLANS HAVE BEEN PROPERLY EXAMINED BY ME, THE UNDERSIGNED PROFESSIONAL ENGINEER, I HAVE DETERMINED THAT THESE PLANS COMPLY WITH ALL APPLICABLE CODES AND HAVE BEEN PROPERLY ADAPTED TO USE ON THIS PROJECT.



NO.	DATE	DESCRIPTION	BY	CHKD BY
1				
2				
3				
4				
5				

PROJECT NO.	2014-001
DATE	10/14/14
DRAWN BY	JT
CHECKED BY	
APPROVED BY	
SCALE	
SHEET NO.	7144
TOTAL SHEETS	14 OF 14
PROJECT NAME	DOTD STANDARD PLANS
PROJECT LOCATION	WALL LAKEVILLE TUNNEL LANE
PROJECT CONTRACT NO.	
PROJECT DESCRIPTION	TRAFFIC ENGINEERING
PROJECT LOCATION	WALL LAKEVILLE TUNNEL LANE
PROJECT CONTRACT NO.	
PROJECT DESCRIPTION	TRAFFIC ENGINEERING

SECTION 00805

WORK CHANGE DIRECTIVE

No. 2

DATE OF ISSUANCE 07/03/2024 EFFECTIVE DATE 07/03/2024

Owner: St. Charles Parish

Contractor: Barriere Construction, LLC

Contract: Willowdale Turn Lane

Owner's Contract No. P230804 Engineer's Contract No. 22R00001.002

ENGINEER: Digital Engineering and Imaging, Inc.

Contractor is directed to proceed promptly with the following change(s):

Description: In RFI #2, Barriere and Traffic Commander requested resolutions to 5 conflicts. This Work Change Directive is a result of the Parish, Engineer, and Contractor agreeing to these changes as discussed in the field (06/28/24) and documented in RFI #2 Response. In general, the guardrail/utility conflicts will be resolved by one or more of the following options as described in the Response to RFI #2: offset the entire guardrail 1 foot toward the roadway (western side), add additional blockouts to the posts to offset the placement of the guardrail posts, and excavate to place posts in sonotubes with filled with flowable fill. Also, this Work Change Directive will cover a request from the Parish to adjust the location of a median nose on US 90 to better accommodate left turning vehicles from Willowdale. Before work can proceed on the Median Nose work, DOTD must accept and update the Permit.

Attachments: (List documents supporting change) RFI #2, Preliminary Revised Median Nose.

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to: (check one)

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: Approx. \$38,000 [increase] [decrease]

Contract Time 0 days [increase] [decrease]

Basis of estimated change in Contract Price:

- Lump Sum
- Cost of the Work
- Unit Price
- Other


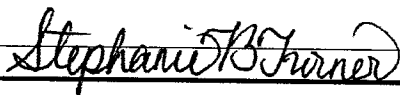
Recommended:	Limited Authorization By*:	Received:
By: <u>Stephanie B. Howard</u>	By: <u>[Signature]</u>	By: <u>[Signature]</u>
Engineer (Authorized Signature)	Owner's Representative*	Contractor (Authorized Signature)
Title: <u>Senior Project Manager</u>	Title: <u>Parish Engineer</u>	Title: <u>PROJECT MANAGER</u>
Date: <u>07/03/2024</u>	Date: <u>7/3/24</u>	Date: <u>7/3/2024</u>

*Owner's Representative is not authorized to finalize a Change Order nor does the Work Change Directive substitute the Change Order process as more fully set out in the General Conditions of the Construction Contract.
Approved by Funding Agency (if applicable)

By: _____ Date: _____
Title: _____



REQUEST FOR INFORMATION

Project Number: P230804		RFI Number: 2.0	
Project Name: Willowdale Turn Lane		Date Received: 6/26/2024	
Project Engineer: Stephanie Turner		Date Required: 6/28/2024	
Contractor: Barriere Construction		Forwarded To: Stephanie Turner	
Specification No.:		Page No.:	
check one: <input type="checkbox"/> RFI	<input checked="" type="checkbox"/> Design Modification	<input type="checkbox"/> Proposed VE	
check one: <input type="checkbox"/> Standard Specification	<input type="checkbox"/> Supplemental Specification	<input type="checkbox"/> Special Provision	
Plan Sheet No.:		Detail:	
REQUEST:			
Please see the attached proposals from Traffic Commander for the conflicts at the guardrails.			
PROPOSED SOLUTION (If applicable):			
Please provide us with a solution for conflict 2 and let us know which proposed solution you would like to go with for the other 4 conflicts.			
By: Christian Vaeton		Signature: 	Date: 6/26/2024
RESPONSE:			
See Guardrail Conflicts Update (RFI #2) attached at the end of this document for response.			
By: Stephanie B. Turner		Signature: 	Date: 06/28/24
After reviewing the response, does the contractor anticipate:			
That a change order will be required? <input type="checkbox"/> Yes <input type="checkbox"/> No			
That there will be an increase in the cost of the project? <input type="checkbox"/> Yes <input type="checkbox"/> No			



Traffic Commander LLC
Willowdale Guard Rail Conflicts
06/26/2024

Willowdale Blvd and US 90

Outbound to US 90 Conflicts:

Conflict 5

- Northside of US 90 waterline poses a conflict with waterline at outbound corner of box culvert
- **Proposed solution shift G/R run 1' towards roadway shoulder and double block set pedestal post to match offset.**

Conflict 1

- Current G/R configuration puts 20' of run in direct conflict with watermain approximately 59' North of existing utility post
- **Proposed solution**
 1. **Excavate and set post then back fill using river sand compacting in 1' lifts, this will still place post 8-10" above waterline but will eliminant head pressure to line from driving post into soil**
 2. **Excavate and pour 2'x2' chain wall from southbound corner of box culvert to front of end treatment at existing utility post using A1 concrete. Change G/R post to pedestal post placed on headwall**
 3. **Shifting GR run would cause concerns at Conflict 2**

Conflict 2

- Current G/R configuration has watermain 1' outside of 6" end treatment tubes, driving post could cause friction to watermain. These post have to be driven and at 6' depth. Watermain at this location is 6' in depth
- **No proposed solution**

Conflict 3

- Current G/R configuration has 1st G/R post south of box culvert in conflict with water main.
- **Proposed solution: use a attached detail allowing post to be skipped doubling up blocked out G/R at this location. Span length to be determined by engineer.**

Conflict 4

3200 N. Turnbull Dr.
Metairie, LA 70002
Phone: 504-635-2400

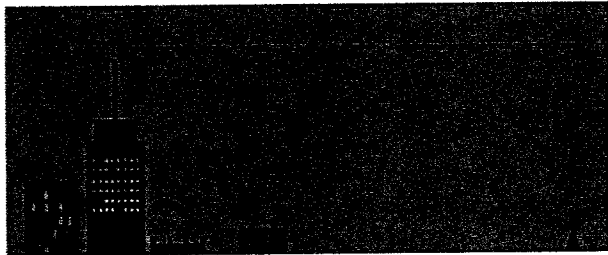
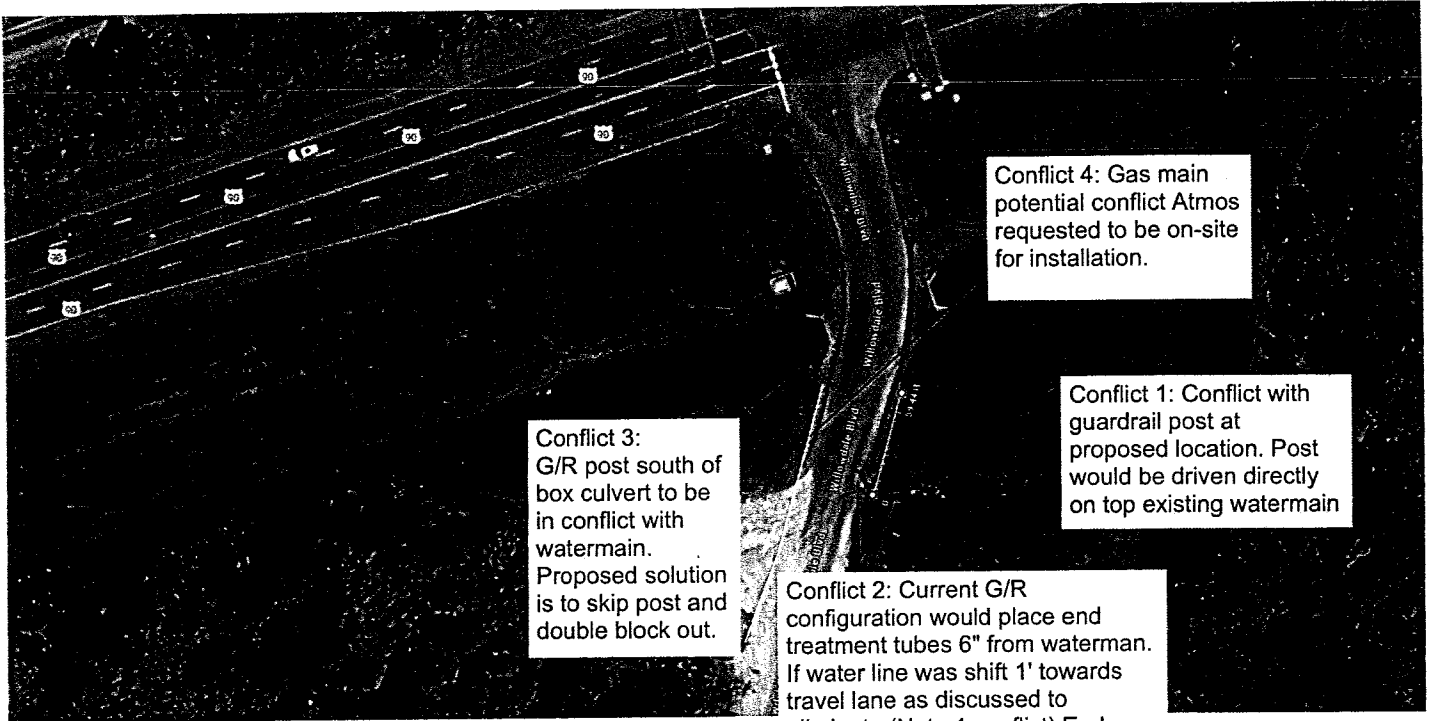


**TRAFFIC
COMMANDER**

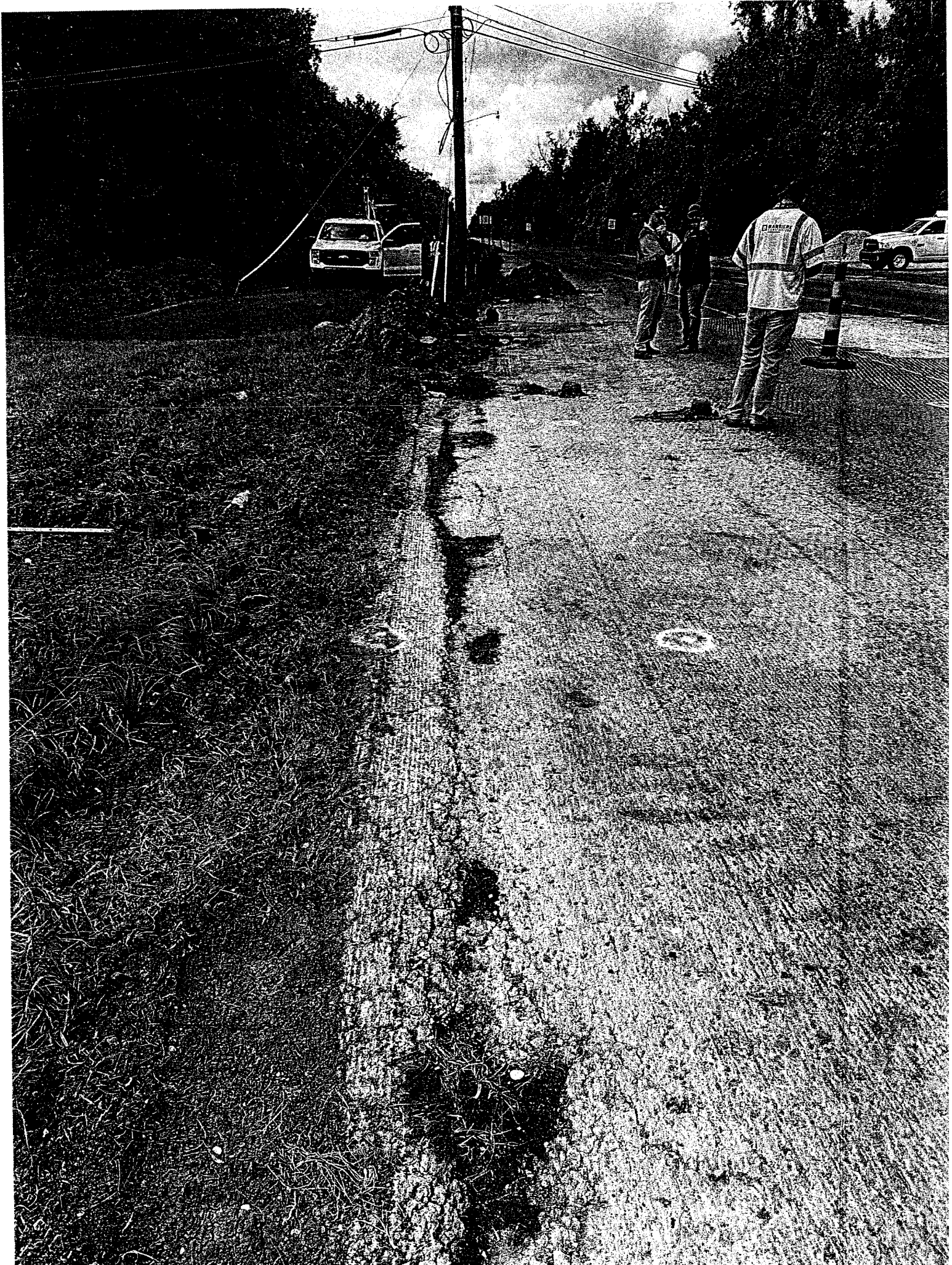
- Gas main located directly under proposed G/R run
- **Proposed solution:**
 1. All post need to be exploratory excavated to insure gas line/waterline is not damaged.
 2. Traffic Commander request additional CO to allow for additional time to excavate post around gasline and waterline.

3200 N. Turnbull Dr.
Metairie, LA 70002
Phone: 504-635-2400

Google Maps Willowdale Blvd & US-90









GUARDRAIL CONFLICTS UPDATE (RFI #2)

ST. CHARLES PARISH
WILLOWDALE TURN LANE
PROJECT NO. P230804

PREPARED BY: Stephanie B. Turner, P.E., PMP – Digital Engineering

LOCATION: On-Site
Willowdale Blvd. & US Hwy. 90

DATE & TIME: June 28, 2024 @ 9:00 AM

ATTENDEES: Stephanie B. Turner – Digital Engineering
Robert McCann – Digital Engineering
Zach Pollock – St. Charles Parish
Wade Dufrene – St. Charles Parish
Christian Valetton – Barriere Construction
Travis Hudspeth – Traffic Commander

Please review these notes and submit any corrections to a representative of Digital Engineering within 5 working days of receipt of these notes. The contents of the notes and any submitted corrections will be considered the approved meeting minutes and used as information agreed upon by all parties involved.

RFI #2:

CONFLICT #1:

Current G/R configuration puts 20' of run in direct conflict with watermain approximately 59' North of existing utility post.

- Within the proposed solutions presented by Traffic Commander in RFI #2, it was suggested to "excavate and set the post then back fill using river sand compacting in 1' lifts..." We have decided to use something similar to this option with a slight change to ensure that the post acts more like if it would have been driven into the existing ground. This would be to use a 16" diameter sonotube, fill with flowable fill (approx. 3') and then place the 4" asphalt guardrail pad.
 - Traffic Commander mentioned sending a detail to Digital related to this work.
- Along with this above solution, additional blocks can be used for the blockout allowing the post to be moved further away from the roadway. It is anticipated that there will be locations that will require 3 blocks. Please note that only the total minimum number of blocks should be used when offsetting the guardrail posts.

CONFLICT #2:

Current G/R configuration has watermain 1' outside of 6" end treatment tubes, driving post could cause friction to watermain. These posts have to be driven and at a 6' depth. Watermain at this location is 6' in depth.

- Traffic Commander stated in the field that this is no longer a conflict because of the way that Conflict #1 was resolved.

CONFLICT #3:

Current G/R configuration has 1st G/R post south of box culvert in conflict with water main.

- For the West side of Willowdale, the entire guardrail will be moved 1' toward the roadway. This will revise the 16' lane to be 15' wide. This should alleviate this problem. For the posts already bolted to the box culvert, you can utilize the additional blocks for blockout to achieve this shift in the guardrail. With this being said, if the waterline is still in conflict a minimal shift in the post in conflict with the waterline is allowed. The other posts would be installed as if this post was not being shifted.

CONFLICT #4:

Gas main located directly under proposed G/R run.

- Because we don't have an exact gas line location, no changes are proposed at this moment. If there is a conflict with this new guardrail location and the gas line, the Contractor should tell the Parish and the Engineer so that the conflict can be resolved.

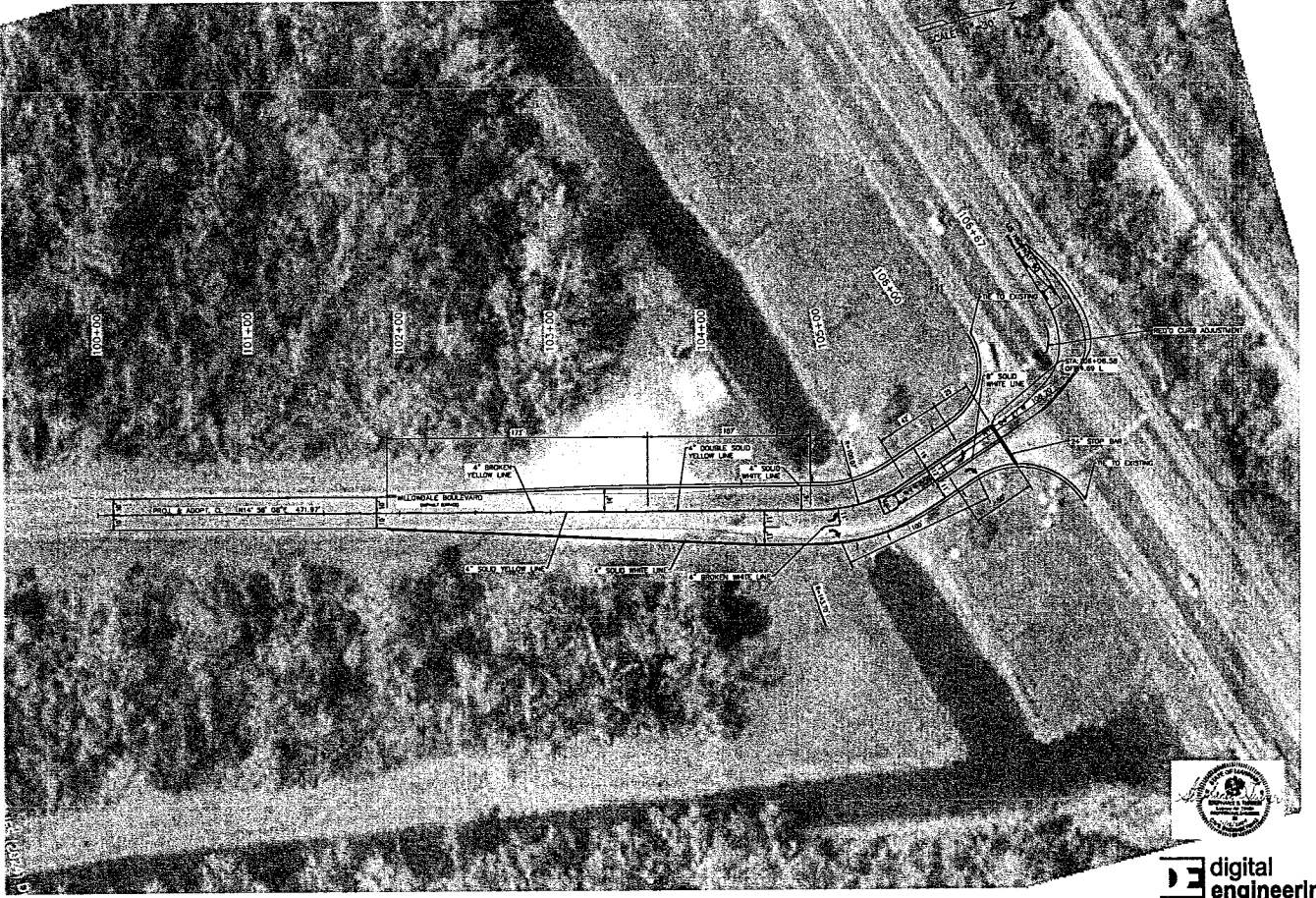
CONFLICT #5:

Northside of US 90 waterline poses a conflict with waterline at outbound corner of box culvert.

- Similar to Conflict #1, posts can be installed via excavation with sonotubes, flowable fill, and asphalt guardrail pad. Also, additional blocks for the blockout can be used to offset the posts. (The 1' shift in the guardrail is no longer needed.)

NOTES

1. Traffic Commander can submit additional items and prices for change order.



digital engineering
 DIGITAL ENGINEERING & IMAGING, INC.
 521 W. ESPERANZA AVE., STE. 200
 KENNER, LA. 70065 - PH. (504) 466-6129

PROJECT NO.		DATE		DRAWN BY		CHECKED BY		SCALE		SHEET NO.		TOTAL SHEETS	
P-20000		JANUARY 12, 2024		J.M.		J.M.		AS SHOWN		1		5	
PROJECT NAME: WALLODIALE TURN LANE PROJECT LOCATION: ST. CHARLES, LOUISIANA PROJECT NUMBER: P-20000													

P230804 - Willowdale Turn Lane
 Parish Project Number: P230804
 Barriere Job No. - 240031.000
 Change Order 2 Part 1 (R2) - Guard Rail Modifications & Type A Signs
 Change Order Breakdown (Revision 2)
 28-Aug-24



Items to be added to Contract

Item #	Description	UM	Qty.	Cost	Total Cost	Notes
160	GR Modifications	LS	1.00	\$ 17,274.08	\$ 17,274.08	
XXX	Omni Directional Type A Signs	LS	1.00	\$ 3,165.99	\$ 3,165.99	
	Items to be added to Contract Total				\$ 20,440.07	
	Change Order Total				\$ 20,440.07	

P230804 - Willowdale Turn Lane

Proposed Change Order - COST SUMMARY

PROJECT: P230804 - Willowdale Turn Lane
 DATE OF WORK: Week of 8/19 - 8/23

Description of the work performed:
 Install Guard Rail According to RF12 Response



LABOR	Description	Craft/Salary	OB/EA	OT	OT2	Total Hours	Rate	OT Rate	OT2 Rate	OT3 Rate	Total Wages	Extension
	Salary Hours					-		\$ -	\$ -	\$ -	\$ -	
	Craft Hours					-		\$ -	\$ -	\$ -	\$ -	
	Craft Hours					-		\$ -	\$ -	\$ -	\$ -	
	Craft Hours					-		\$ -	\$ -	\$ -	\$ -	
	Craft Hours					-		\$ -	\$ -	\$ -	\$ -	
	Craft Hours					-		\$ -	\$ -	\$ -	\$ -	
	Craft Hours					-		\$ -	\$ -	\$ -	\$ -	
	Craft Hours					-		\$ -	\$ -	\$ -	\$ -	
	Craft Hours					-		\$ -	\$ -	\$ -	\$ -	
Total Hours						0.00						
Craft Hours						0.00						
Salary Hours						0.00						
Subtotals - Labor											\$ -	
Payroll Taxes						10.00%	of	Total Wages			\$ -	
Insurance (General Liability 8.5%, Workers Comp 8.75%)						17.25%	of	Total Wages			\$ -	
Staff Personnel Benefits						\$ 13.50	Per	Total Hours (Salary only)			\$ -	
Hourly Personnel Benefits						\$ 10.75	Per	Total Hours (Craft only)			\$ -	
Subtotals - Labor Insurance & Taxes, Benefits											\$ -	
											Labor Subtotal: \$	-
											Labor Total: \$	-
Labor, Materials & Equipment												
Description	Quantity	UNIT	Price	Material cost must be supported by quotations and/or invoices from								Extension
												\$ -
												\$ -
												\$ -
											Materials Subtotal: \$	-
EQUIPMENT- Blue Book												
Description	Equip #/Make/Model	Quantity	Hours	Rate	Standby Hours	Standby Rate	Equipment cost supported by quotations, invoices or Blue Book Rental Rate				Extension	
											\$ -	
											\$ -	
											\$ -	
											\$ -	
											\$ -	
											\$ -	
											\$ -	
											\$ -	
											Blue Book Equipment Subtotal: \$	-
DIRECT COST (Labor & Materials) = \$0.00 Plus (Mark Up On Labor & Materials): 15% = \$0.00 DIRECT COST (Equipment) = \$0.00 SUBTOTAL = \$0.00												
SUBCONTRACTOR COST												
Company	Description	Description of Work	Quantity	UNIT	Unit Cost	Subcontractor cost must be supported by quotations, invoices or a subcontract					Extension	
Traffic Commander	Install Guardrail per RF12	GR Post Installation due to Utility Conflicts	1	LS	\$ 15,535.92						\$ 15,535.92	
											Subcontracts Subtotal: \$	15,535.92
SUBCONTRACT COST = \$15,535.92 Plus (Mark Up): 10% = \$1,553.59 SUBTOTAL = \$17,089.51												
TOTAL												
											Subtotal =	\$17,089.51
											Bond Cost (\$7.20 / \$1000.00 + 15% Markup) =	\$184.57
											TOTAL COST=	\$17,274.08
											Qty =	1.00 LS
											Unit Price	\$17,274.08

PROJECT: P230804 - Willowdale Turn Lane

DATE OF WORK: Week of 8/19 - 8/23

Description of the work performed:
Install Guard Rail According to RF12 Response



LABOR	Description	Craft/Salary	UNIT	Rate	Total Hours	Standby	OT/Rate	Standby	OT/Rate	Standby	OT/Rate	Standby	OT/Rate
	Salary Hours				-			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Craft Hours				-			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Craft Hours				-			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Craft Hours				-			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Craft Hours				-			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Craft Hours				-			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Craft Hours				-			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Craft Hours				-			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Craft Hours				-			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Hours					0.00								
Craft Hours					0.00								
Salary Hours					0.00								
Subtotals - Labor					0.00								
Payroll Taxes												\$ -	
Insurance (General Liability 8.5%, Workers Comp 8.75%)					10.00%	of	Total Wages					\$ -	
Staff Personnel Benefits					17.25%	of	Total Wages					\$ -	
Hourly Personnel Benefits					\$ 13.50	Per	Total Hours (Salary only)					\$ -	
Subtotals - Labor Insurance & Taxes, Benefits					\$ 10.75	Per	Total Hours (Craft only)					\$ -	
												Labor Subtotal: \$	-
												Labor Total: \$	-
Labor, Materials & Equipment													
Description	Quantity	UNIT	Price	Material cost must be supported by quotations and/or invoices from								Extension	
													\$ -
													\$ -
												Materials Subtotal: \$	-
EQUIPMENT- Blue Book													
Description	Equip #/Make/Model	Quantity	Hours	Rate	Standby Hours	Standby Rate	Equipment cost supported by quotations (invoices or Blue Book Rental Rate)					Extension	
													\$ -
													\$ -
													\$ -
													\$ -
													\$ -
													\$ -
													\$ -
													\$ -
												Blue Book Equipment Subtotal: \$	-
DIRECT COST (Labor & Materials) = \$0.00 Plus (Mark Up On Labor & Materials): 15% = \$0.00 DIRECT COST (Equipment) = \$0.00 SUBTOTAL = \$0.00													
SUBCONTRACTOR COST													
Company	Description	Description of Work	Quantity	UNIT	Unit Cost	Subcontractor cost must be supported by quotations and/or invoices						Extension	
Traffic Commander	Omi Directional Type A Signs	Install Type A Signs	1	LS	\$ 2,847.42								\$ 2,847.42
												Subcontracts Subtotal: \$	2,847.42
SUBCONTRACT COST = \$2,847.42 Plus (Mark Up): 10% = \$284.74 SUBTOTAL = \$3,132.16													
TOTAL													
Subtotal = \$3,132.16 Bond Cost (\$7.20 / \$1000.00 + 15% Markup) = \$33.83 TOTAL COST = \$3,165.99 Qty = 1.00 LS Unit Price \$3,165.99													



August 28, 2024

Barriere Construction
Attn: Christian Valenton

See attached change order cost to excavate/install GR per Stephanie Turner response received on June 28,2024

Exhibit 1:

Excavate each guardrail post location to locate utilities near proposed GR . 18'9" of additional blocked out was used to eliminate 3 G/R post in conflict with existing waterline.2 additional days of labor and equipment needed due to utility conflicts. Both inbound to Willowdale pedestal post had to be removed require 2' removal of roadway. Re-stocking fee of HDPE pipe included. 2 loads of sand delivered to site needs to be reimbursed

Exhibit 2:

Incubus the cost of mobilization on July 24th to begin excavation for guardrail. Crews were shut down due to gas line conflict causing a full day of lost production.

Exhibit 3:

Material and Labor to install additional signage requested by Digital Engineering on August 12,2024

1. <u>Exhibit 1:</u>	<u>\$12,148.95</u>
2. <u>Exhibit 2:</u>	<u>\$3,386.97</u>
3. <u>Exhibit 3:</u>	<u>\$2,847.42</u>
<u>TOTAL=\$18,383.34</u>	

If you have any questions or comments, please contact me either by email at travis@trafficcommander.com or by phone at 985-707-6801 or the office at 504-635-2400.

Sincerely,

Travis Hudspeth
Project Manager/Estimator
Traffic Commander, LLC

Traffic Commander CO WORKBOOK



TRAFFIC
COMMANDER

Project No. P230804
8/28/2024

Willowdale Turn Lane & US 90

OVERALL COST SUMMARY	
Work Days	DAILY TOTAL
Exhibit 1	\$ 12,148.95
Exhibit 2	\$ 3,386.97
Exhibit 3	\$ 2,847.42
	\$ -
	\$ -
TOTAL:	\$18,383.34

Change Order : Guard Rail Post Installation due to utility conflicts

Project: US 90 and Willowdale Ave

TC Job #:24023
Exhibit1



LABOR		Time	Unit	Rate	Extension
STRAIGHT TIME					
1	FOREMAN	16	HRS	\$40.00	\$640.00
3	LABORER	16	HRS	\$22.00	\$1,056.00
1	OPERATOR	16	HRS	\$25.00	\$400.00
1	CERTIFIED TRUCK DRIVER	16	HRS	\$24.00	\$384.00
OVERTIME					
1	FOREMAN	0	HRS	\$57.00	\$0.00
3	LABORER	0	HRS	\$33.00	\$0.00
1	OPERATOR	0	HRS	\$37.50	\$0.00
1	CERTIFIED TRUCK DRIVER	0	HRS	\$36.00	\$0.00

Subtotal \$2,480.00
Labor Burden (74.0%) \$1,835.20
Total Labor \$4,315.20

MATERIALS	Qty	Unit	Unit Price	Extension
18"x20 HDPE PIPE-Restocking Fee	1	EA	\$500.00	\$500.00
Class M-Flowable Fill	0	YD	\$175.00	\$0.00
Riversand	2	LD	\$500.00	\$1,000.00
Additional Blockout GR	18.9	LNFT	\$78.50	\$1,483.65

Subtotal \$2,983.65
Tax 8.95% \$267.04
Total Materials \$3,250.69
Days 0
Total Materials/Month \$3,250.69

HOTEL ROOMS:	0	\$100.00/EA	\$0.00
PER DIEM:	0	\$30.00/EA	\$0.00
Subtotal			\$0.00
Tax 8.95%			\$0.00
Total			\$0.00

EQUIPMENT		Time	Unit	Rate	Extension
1	Foreman Truck	2	DAY	\$50.00	\$100.00
1	Dump Trailer	0	DAY	\$250.00	\$0.00
2	Catepillar 305 EX	16	HRS	\$68.96	\$2,206.72
1	Equipment trailer	16	HRS	\$15.04	\$240.64
1	F-650	16	HRS	\$32.07	\$513.12
1	Breaker attachment	16	HRS	\$16.00	\$256.00

Subtotal \$3,316.48

BOND	Qty	Rate	Extension
BOND		1.5%	\$131.70
Subtotal			\$131.70

SUBCONTRACTOR	Qty	Rate	Extension
			\$0.00
			\$0.00
Subtotal			\$0.00

SUMMARY	
LABOR + BURDEN	\$4,315.20
LABOR MARKUP - 15%	\$647.28
MATERIAL	\$3,250.69
MATERIAL MARKUP - 15%	\$487.60
EQUIPMENT	\$3,316.48
SUBCONTRACTOR	\$0.00
SUBCONTRACTOR MARKUP - 10%	\$0.00
BOND	\$131.70
TOTAL =	\$12,148.95

TOTAL LUMP = \$12,148.95

Change Order : Guard Rail Post Installation due to utility conflicts

Project: US 90 and Willowdale Ave

TC Job #:24023
Exhibit 2



LABOR		Time	Unit	Rate	Extension
STRAIGHT TIME					
1	FOREMAN	8	HRS	\$40.00	\$320.00
2	LABORER	8	HRS	\$20.00	\$320.00
1	CERTIFIED TRUCK DRIVER	8	HRS	\$23.00	\$184.00
1	OPERATOR	8	HRS	\$25.00	\$200.00
OVERTIME					
1	FOREMAN	0	HRS	\$40.00	\$0.00
2	LABORER	0	HRS	\$30.00	\$0.00
1	CERTIFIED TRUCK DRIVER	0	HRS	\$34.50	\$0.00
1	OPERATOR	0	HRS	\$37.50	\$0.00
Subtotal					\$1,024.00
Labor Burden (74.0%)					\$757.76
Total Labor					\$1,781.76

MATERIALS		Qty	Unit	Rate/Day	Extension/Day
	Riversand	0	LD	\$500.00	\$0.00
Subtotal					\$0.00
Tax 8.95%					\$0.00
Total Materials					\$0.00
Days					0
Total Materials/Month					\$0.00

HOTEL ROOMS:	0	\$100.00/EA	\$0.00
PER DIEM:	0	\$30.00/EA	\$0.00
Subtotal			\$0.00
Tax 8.95%			\$0.00
Total			\$0.00

EQUIPMENT		Time	Unit	Rate	Extension
1	Foreman Truck	2	DAY	\$50.00	\$100.00
1	Catepillar 305 EX	8	HRS	\$68.96	\$551.68
1	Auger atachment	8	HRS	\$34.31	\$274.48
1	Equipment trailer	8	HRS	\$15.04	\$120.32
1	F-650	8	HRS	\$32.07	\$256.56
Subtotal					\$1,303.04

BOND		Qty	Rate	Extension
	BOND		1.5%	\$34.91
Subtotal				\$34.91

SUBCONTRACTOR		Qty	Rate	Extension
				\$0.00
				\$0.00
				\$0.00
Subtotal				\$0.00

SUMMARY		
LABOR + BURDEN		\$1,781.76
LABOR MARKUP - 15%		\$267.26
MATERIAL		\$0.00
MATERIAL MARKUP - 15%		\$0.00
EQUIPMENT		\$1,303.04
SUBCONTRACTOR		\$0.00
SUBCONTRACTOR MARKUP - 10%		\$0.00
BOND		\$34.91
TOTAL =		\$3,386.97

TOTAL LUMP = \$3,386.97

Change Order : 5 EA Omni Directional-32.75 SQFT Type A Signs

Project: US 90 and Willowdale Ave

TC Job #:24023

Exhibit 2



LABOR		Time	Unit	Rate	Extension
STRAIGHT TIME					
1	FOREMAN	8	HRS	\$40.00	\$320.00
2	LABORER	8	HRS	\$20.00	\$320.00
1	CERTIFIED TRUCK DRIVER	8	HRS	\$23.00	\$184.00
0	OPERATOR	0	HRS	\$25.00	\$0.00
OVERTIME					
1	FOREMAN	0	HRS	\$40.00	\$0.00
2	LABORER	0	HRS	\$30.00	\$0.00
1	CERTIFIED TRUCK DRIVER	0	HRS	\$34.50	\$0.00
1	OPERATOR	0	HRS	\$37.50	\$0.00
Subtotal					\$824.00
Labor Burden (74.0%)					\$609.76
Total Labor					\$1,433.76

MATERIALS		Qty	Unit	Rate/Day	Extension/Day
1	W3-3 30"x30"-Traffic Signal Signage	6.25	SQFT	\$4.25	\$26.56
1	W1-1 30"x30"-Right Hand Turn Signage	6.25	SQFT	\$4.25	\$26.56
1	W13-1P 18"x18"-Speed Limit 35 MPH	2.25	SQFT	\$4.25	\$9.56
2	W1-8R 18"x24"-Right Hand Chevron Signage	6.00	SQFT	\$4.25	\$25.50
1	W1-8L 18"x24"-Left Hand Chevron Signage	3.00	SQFT	\$4.25	\$12.75
5	Omni-Directional Square Tubing Post	5.00	EA	\$54.48	\$272.40
5	Omni Directional Anchor	5.00	EA	\$40.90	\$204.50
Subtotal					\$577.84
Tax 8.95%					\$51.72
Total Materials					\$629.55
Days					0
Total Materials/Month					\$0.00

HOTEL ROOMS:	0	\$100.00/EA	\$0.00
PER DIEM:	0	\$30.00/EA	\$0.00
Subtotal			\$0.00
Tax 8.95%			\$0.00
Total			\$0.00

EQUIPMENT		Time	Unit	Rate	Extension
1	Foreman Truck	1	DAY	\$50.00	\$50.00
1	Catepillar 305 EX	0	HRS	\$68.96	\$0.00
1	Post Pounder	8	HRS	\$2.50	\$20.00
1	Equipment trailer	8	HRS	\$15.04	\$120.32
1	F-650	8	HRS	\$32.07	\$256.56
Subtotal					\$446.88

BOND		Qty	Rate	Extension
BOND			1.5%	\$27.73
Subtotal				\$27.73

SUBCONTRACTOR		Qty	Rate	Extension
				\$0.00
				\$0.00
				\$0.00
Subtotal				\$0.00

SUMMARY	
LABOR + BURDEN	\$1,433.76
LABOR MARKUP - 15%	\$215.06
MATERIAL	\$629.55
MATERIAL MARKUP - 15%	\$94.43
EQUIPMENT	\$446.88
SUBCONTRACTOR	\$0.00
SUBCONTRACTOR MARKUP - 10%	\$0.00
BOND	\$27.73
TOTAL = \$2,847.42	

TOTAL LUMP = \$2,847.42

P230804 - Willowdale Turn Lane
 Parish Project No. - P230804
 Barriere Job No. - 240031.000
 Willowdale Turn Lane Mill/Overlay T&M
 Description of work - T&M for Milling & Paving at Base Failures
 16-Sep-24



Items to be added to Contract

Item #	Description	UM	Qty.	Cost	Total Cost	Notes
XXX	T&M for Milling	LS	1.00	\$4,418.01	\$4,418.01	
XXX	T&M for Paving	LS	1.00	\$7,880.50	\$7,880.50	
	Items to be added to Contract Total				\$12,298.51	
	Change Order Total				\$12,298.51	

Field Log 389120, Tuesday 8/27

Show: Detail | Summary

Expand All Collapse All

Jobs

Job Number ↑	Job Title	Current Work Location
240031.000	St. Charles Parish - Willowdale Turn Lane	
995620.	Construction South Shore - FOH	

Phase Codes

Job Number ↑	Phase Code	Description	Estimated Qty.	Reported Qty to Date	Time Sheet Qty	UM
240031.000	50.40120.X01	**Force Account	1.00	20.09	0.00	TON
995620.	50.900.	FOH - Fixed Costs	0.00	0.00	1.00	LS

Employees

Work Hours 6:30am -10am

Employee ID	Name ↑	Work Class	Start Time	Stop Time	Work Hours	Total Hrs Charged	240031.000	50.40120.X01	995620.
28411	Alphonse McKey	20-4580-Oper Bobcat/Skid Steer/ Loader [20-4580]	6:30 AM	11:30 AM	5.00	5.00			5.00
1002	Chris Bacon	20-4110-Oper Backhoe Rubber Tired [20-4110]	6:30 AM	2:30 PM	0.00	0.00			0.00
51432	Destin Boudreau	20-5300-Milling Machine Operator [20-5300]	6:30 AM	2:30 PM	0.00	0.00			0.00
1565	Kevin Bairov	20-7086-Driver Water Truck [20-7086]	5:30 AM	11:30 AM	6.00	6.00			6.00
15136	Leonard Fisher	20-5020-Oper Milling Machine [20-5020]	6:30 AM	11:30 AM	5.00	5.00			5.00
21671	Marlon Hurley	20-4580-Oper Bobcat/Skid Steer/ Loader [20-4580]	6:30 AM	6:30 AM	0.00	0.00			0.00
15130	Matthew Phelan	20-4050-Oper Droom / Sweeper [20-4050]	6:30 AM	2:30 PM	0.00	0.00			0.00
51053	John Casan	20-3600-Laborer Unskilled [20-3600]	6:30 AM	2:30 PM	0.00	0.00			0.00
39136	Paul Stewart	20-5020-Oper Milling Machine [20-5020]	6:30 AM	11:30 AM	5.00	5.00			5.00
51243	Tyler Kimble	20-168-Foreman Salaried [20:168]	6:30 AM	11:30 AM	5.00	8.00			8.00

work stopped on this task at 10AM

Equipment

Description ↑	Equipment ID	240031.000	50.40120.X01	Total Hours	Notes
Bobcat 10" mill head	23.90002			0.00	
Bobcat T-770 enclosed skid steer	23.90029		3.5 hours	8.00	8.00
PROCE RCT350	13.90110			8.00	8.00
Cat PM825 PROFILER	69.00025			5.00	5.00
T770 BOBCAT SKIDSTEER/ PLANNER	23.90330			8.00	8.00
TR-145 Caterpillar 416F Rubber Tire Backhoe	24.00145			5.00	5.00
TW-31 Volvo VH64B Water Truck	53.00031			6.00	6.00
				17.5	40.00 40.00

Field Log 389291, Tuesday 8/27

Show: [Detail](#) | [Summary](#)

Expand All Collapse All

Jobs

Job Number ↑	Job Title	Current Work Location
240031.000	St. Charles Parish - Willowdale Turn Lane	
991620	Misc Const South Shore- Var	

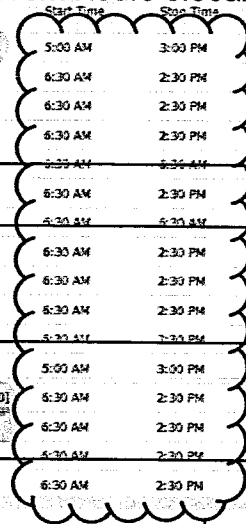
Phase Codes

Job Number ↑	Phase Code	Description	Estimated Qty.	Reported Qty to Date	Time Sheet Qty	UM
240031.000	50.40120.X01	Force Account	1.00	0.00	20.09	TON
991620	50.679	Approved Absences	0.00	742.00	0.00	LS

Employees

Employee ID	Name ↑	Work Class	Start Time	Stop Time	Work Hours	Total Hrs Charged	240031.000 50.40120.X01
35842	Akiba Samson	29-5810-Laborer Common or General [29-3610]	5:00 AM	3:00 PM	10.00	10.00	10.00
2801	Bonnie Beverly	29-2297-Leadman [29-2297]	6:30 AM	2:30 PM	8.00	8.00	8.00
11374	Benjamin Davis	29-155-Furman Colored [29-166]	6:30 AM	2:30 PM	8.00	8.00	8.00
41791	Edde Vial IV	29-4050-Oper Steam / Sweeper [29-4050]	6:30 AM	2:30 PM	8.00	8.00	8.00
23891	Member not approved		6:30 AM	6:30 AM	0.00	0.00	
30973	James Nichols	29-4360-Oper Spread [29-4360]	6:30 AM	2:30 PM	8.00	8.00	8.00
50056	James Kowalski		6:30 AM	6:30 AM	0.00	0.00	
9606	Jasmine Clayborne	29-5310-Oper Asphalt Paver [29-5310]	6:30 AM	2:30 PM	8.00	8.00	8.00
711	Kevin Adams	29-4430-Oper Roller Asphalt [29-4430]	6:30 AM	2:30 PM	8.00	8.00	8.00
15901	Mark Padelford	29-178-Q/C Tech [29-178]	6:30 AM	2:30 PM	8.00	8.00	8.00
54449	Charles Campbell	29-3500-Laborer Unskilled [29-3500]	6:30 AM	7:30 PM	8.00	8.00	
50992	Reginald Ruiz	29-7000-Driver [29-7000]	5:00 AM	3:00 PM	10.00	10.00	10.00
33378	Raymond Simon	29-4500-Oper Subcomp/Load Steer/Loader [29-4500]	6:30 AM	2:30 PM	8.00	8.00	8.00
39150	Ricky Shaw	29-7091-Oper Material Transfer Vehicle [29-7091]	6:30 AM	2:30 PM	8.00	8.00	8.00
54473	Wesley Smith	29-3000-Laborer Skilled [29-3000]	6:30 AM	2:30 PM	8.00	8.00	8.00
30444	Wilson Victoria-Victorian	29-3610-Laborer Common or General [29-3610]	6:30 AM	2:30 PM	8.00	8.00	8.00
					116.00	116.00	100.00

Work Hours 6:30am -10am



work started at 6:30AM, stopped on this task at 10AM

Equipment

Description ↑	Equipment ID	240031.000 50.40120.X01	Total Hours	Notes
Cat 1055F Asphalt Paver	62.00063	8.00	8.00	
Caterpillar CB4.4 54" Asphalt Roller 51"?	64.00155	3.5 hours	8.00	
Ford F650 Service Truck	50.00128	8.00	8.00	
KW TAC TRUCK W/ ETRVRE 2000 GALLON S9218	54.00943	8.00	8.00	
MILL HEAD didn't see in pricing	29.99052	8.00	8.00	
RF-155 Caterpillar CB10 65' Asphalt Roller	64.00155	8.00	8.00	
Superior broom	13.90101	8.00	8.00	
F770 BORO CAT SKIDSTEER NO BLANKETS	23.90151	8.00	8.00	
UT165 Towmaster T-16DT	02.00155	8.00	8.00	
		28	72.00	72.00

28

only one skidsteer out for this work - it was included in the milling quote

Trucking

Truck ↑	From Location	To Location	Start Time	Stop Time	Material	UM	Unit Cost	240031.000 50.40120.X01
FORDJ - FORD89 - 301 - TR	04520-Boutte Asphalt	Job	7:00 AM	3:00 AM	901230-Other Haul	21-HR	\$85.00	8.00

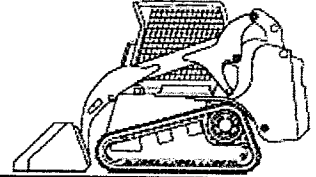
Work Hours 3.5 hours

Name	Rate
Alphonse McKey	\$ 30.20
Destin Boudreaux	\$ 19.55
Kevin Barrow	\$ 36.00
Leonard Fisher	\$ 26.00
Marlon Hurley	\$ 20.75
Matthew Fitzner	\$ 27.19
Nolan Cason	\$ 18.50
Paul Stewart	\$ 26.77
Tyler Kimble	\$ 37.50
Alcide Sansom	\$ 32.75
Benjamin Beverly	\$ 33.00
Benjamin Davis	\$ 37.50
Eddie Veal IV	\$ 30.38
Henderson Hampton	\$ 32.13
Janero Nichols	\$ 30.15
Jarien Young	\$ 21.60
Jermaine Clayborne	\$ 28.12
Kevin Almore	\$ 29.20
Micky Fedele	\$ 27.50
Orlando Singleton	\$ 23.69
Reginald Ruiz	\$ 29.25
Reynard Simon	\$ 33.75
Ricky Stipe	\$ 32.17
Warren Smith	\$ 20.00
Wilson Victory- Victorian	\$ 24.00

Rental Rate Blue Book®

October 30, 2023

Bobcat T770
 Compact Track Loaders

 Size Class:
3201 lbs & Over
 Weight:
10327 lbs

Configuration for T770

 Operator Protection **ROPS** 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 \$36.07	FHWA Rate** Hourly USD \$90.47
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$9,575.00	USD \$2,680.00	USD \$670.00	USD \$100.00		
Adjustments						
Region (Louisiana: 94.8%)	(USD \$497.90)	(USD \$139.36)	(USD \$34.84)	(USD \$5.20)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$9,077.10	USD \$2,540.64	USD \$635.16	USD \$94.80	USD \$36.07	USD \$87.64

Non-Active Use Rates

	Hourly
Standby Rate	USD \$23.21
Idling Rate	USD \$66.51

Rate Element Allocation

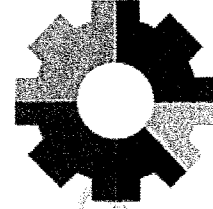
Element	Percentage	Value
Depreciation (ownership)	18%	USD \$1,723.50/mo
Overhaul (ownership)	55%	USD \$5,266.25/mo
CFC (ownership)	12%	USD \$1,149.00/mo
Indirect (ownership)	15%	USD \$1,436.25/mo
Fuel (operating) @ USD 4.39	41.42%	USD \$14.94/hr

Revised Date: 4th quarter 2023

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 The equipment represented in this report has been exclusively prepared for Joshua Munna
 (joshuam@barriere.com)

Rental Rate Blue Book®
Broce RJ-350
 Self Propelled Pavement Brooms

 Size Class:
 All
 Weight:
 N/A

Configuration for RJ-350

 Horsepower **80.0** 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	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$10,375.00	USD \$2,905.00	USD \$725.00	USD \$110.00	USD \$54.41	USD \$113.36
Adjustments						
Region (Louisiana: 94.8%)	(USD \$539.50)	(USD \$151.06)	(USD \$37.70)	(USD \$5.72)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$9,835.50	USD \$2,753.94	USD \$687.30	USD \$104.28	USD \$54.41	USD \$110.29

Non-Active Use Rates

	Hourly
Standby Rate	USD \$21.79
Idling Rate	USD \$68.87

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	18%	USD \$1,867.50/mo
Overhaul (ownership)	61%	USD \$6,328.75/mo
CFC (ownership)	10%	USD \$1,037.50/mo
Indirect (ownership)	11%	USD \$1,141.25/mo
Fuel (operating) @ USD 4.39	23.87%	USD \$12.99/hr

Revised Date: 4th quarter 2023

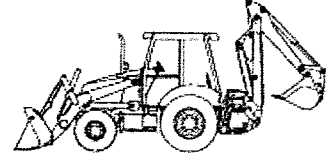
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 (joshuam@barriere.com)

Rental Rate Blue Book®

September 15, 2023

Caterpillar 416F2 (disc. 2020)
 Tractor-Loader-Backhoes

 Size Class:
 13.5 - 14.4 ft
 Weight:
 N/A

Configuration for 416F2 (disc. 2020)

Drive	4WD	Operator Protection	EROPS
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	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$8,050.00	USD \$2,255.00	USD \$565.00	USD \$85.00	USD \$33.08	USD \$78.82
Adjustments						
Region (Louisiana: 94.8%)	(USD \$418.60)	(USD \$117.26)	(USD \$29.38)	(USD \$4.42)		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$7,631.40	USD \$2,137.74	USD \$535.62	USD \$80.58	USD \$33.08	USD \$76.44

Non-Active Use Rates

Standby Rate	Hourly	USD \$23.41
Idling Rate		USD \$56.50

Rate Element Allocation

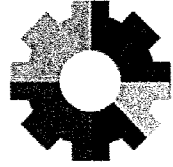
Element	Percentage	Value
Depreciation (ownership)	23%	USD \$1,851.50/mo
Overhaul (ownership)	46%	USD \$3,703.00/mo
CFC (ownership)	17%	USD \$1,368.50/mo
Indirect (ownership)	14%	USD \$1,127.00/mo
Fuel (operating) @ USD 3.88	39.72%	USD \$13.14/hr

Revised Date: 3rd quarter 2023

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 (joshuam@barriere.com)

Rental Rate Blue Book®
Caterpillar PM820
 Crawler Mounted Pavement Millers

 Size Class:
88 in & Over
 Weight:
 N/A

Configuration for PM820

Cutting Depth	13 in	Cutting Width	79.1 in
Horsepower	755 hp	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	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$49,070.00	USD \$13,740.00	USD \$3,435.00	USD \$515.00	USD \$332.77	USD \$611.58
Adjustments						
Region (Louisiana: 92.9%)	(USD \$3,483.97)	(USD \$975.54)	(USD \$243.88)	(USD \$36.56)		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$45,586.03	USD \$12,764.46	USD \$3,191.11	USD \$478.43	USD \$332.77	USD \$591.78

Non-Active Use Rates

Standby Rate	Hourly	USD \$155.41
Idling Rate		USD \$421.47

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	30%	USD \$14,721.00/mo
Overhaul (ownership)	40%	USD \$19,628.00/mo
CFC (ownership)	14%	USD \$6,869.80/mo
Indirect (ownership)	16%	USD \$7,851.20/mo
Fuel (operating) @ USD 4.15	48.82%	USD \$162.46/hr

Revised Date: 1st quarter 2024

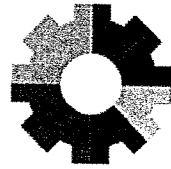
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Rental Rate Blue Book®

June 25, 2024

Miscellaneous DSL 6X4 4000
 On-Highway Water Tankers

 Size Class:
200 hp & Over
 Weight:
14000 lbs

Configuration for DSL 6X4 4000

Horsepower	250.0	Power Mode	Diesel
Tank Capacity	4000.0 gal		

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 \$38.68	FHWA Rate** Hourly USD \$61.38
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$3,995.00	USD \$1,120.00	USD \$280.00	USD \$42.00		
Adjustments						
Region (Louisiana: 94.5%)	(USD \$219.73)	(USD \$61.60)	(USD \$15.40)	(USD \$2.31)		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$3,775.27	USD \$1,058.40	USD \$264.60	USD \$39.69	USD \$38.68	USD \$60.13

Non-Active Use Rates

Standby Rate	Hourly USD \$16.30
Idling Rate	USD \$46.63

Rate Element Allocation

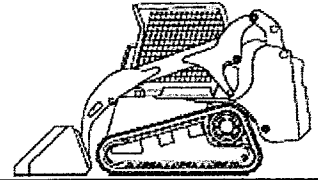
Element	Percentage	Value
Depreciation (ownership)	50%	USD \$1,997.50/mo
Overhaul (ownership)	24%	USD \$958.80/mo
CFC (ownership)	13%	USD \$519.35/mo
Indirect (ownership)	13%	USD \$519.35/mo
Fuel (operating) @ USD 4.03	65.1%	USD \$25.18/hr

Revised Date: 2nd quarter 2024

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Rental Rate Blue Book®
Bobcat T770
 Compact Track Loaders

 Size Class:
3201 lbs & Over
 Weight:
10327 lbs

Configuration for T770

Operator Protection ROPS 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	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$9,575.00	USD \$2,680.00	USD \$670.00	USD \$100.00	USD \$36.07	USD \$90.47
Adjustments						
Region (Louisiana: 94.8%)	(USD \$497.90)	(USD \$139.36)	(USD \$34.84)	(USD \$5.20)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$9,077.10	USD \$2,540.64	USD \$635.16	USD \$94.80	USD \$36.07	USD \$87.64

Non-Active Use Rates

	Hourly
Standby Rate	USD \$23.21
Idling Rate	USD \$66.51

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	18%	USD \$1,723.50/mo
Overhaul (ownership)	55%	USD \$5,266.25/mo
CFC (ownership)	12%	USD \$1,149.00/mo
Indirect (ownership)	15%	USD \$1,436.25/mo
Fuel (operating) @ USD 4.39	41.42%	USD \$14.94/hr

Revised Date: 4th quarter 2023

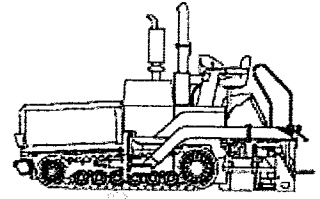
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Rental Rate Blue Book®

October 30, 2023

Caterpillar AP1055F
 Crawler Mounted Asphalt Pavers

 Size Class:
35,000 lbs & Over
 Weight:
 N/A

Configuration for AP1055F

Horsepower	225.0 hp	Power Mode	Diesel
Screed Model	SE60 V		

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 \$39,290.00	USD \$11,000.00	USD \$2,750.00	USD \$415.00	USD \$151.52	USD \$374.76
Adjustments						
Region (Louisiana: 94.8%)	(USD \$2,043.08)	(USD \$572.00)	(USD \$143.00)	(USD \$21.58)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$37,246.92	USD \$10,428.00	USD \$2,607.00	USD \$393.42	USD \$151.52	USD \$363.15

Non-Active Use Rates

	Hourly
Standby Rate	USD \$74.07
Idling Rate	USD \$252.12

Rate Element Allocation

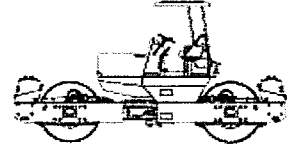
Element	Percentage	Value
Depreciation (ownership)	17%	USD \$6,679.30/mo
Overhaul (ownership)	65%	USD \$25,538.50/mo
CFC (ownership)	10%	USD \$3,929.00/mo
Indirect (ownership)	8%	USD \$3,143.20/mo
Fuel (operating) @ USD 4.39	26.72%	USD \$40.49/hr

Revised Date: 4th quarter 2023

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Rental Rate Blue Book®
Caterpillar CB-34B (disc. 2021)
 Tandem Vibratory Compactors

 Size Class:
 3.5 - 5.4 mt
 Weight:
 N/A

Configuration for CB-34B (disc. 2021)

Drum Width	51.0 in	Horsepower	48.8 hp
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	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$9,190.00	USD \$2,575.00	USD \$645.00	USD \$97.00	USD \$25.73	USD \$77.95
Adjustments						
Region (Louisiana: 94.6%)	(USD \$496.26)	(USD \$139.05)	(USD \$34.83)	(USD \$5.24)		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$8,693.74	USD \$2,435.95	USD \$610.17	USD \$91.76	USD \$25.73	USD \$75.13

Non-Active Use Rates

Standby Rate	Hourly	USD \$22.72
Idling Rate		USD \$53.85

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	24%	USD \$2,205.60/mo
Overhaul (ownership)	53%	USD \$4,870.70/mo
CFC (ownership)	11%	USD \$1,010.90/mo
Indirect (ownership)	11%	USD \$1,010.90/mo
Fuel (operating) @ USD 3.88	17.29%	USD \$4.45/hr

Revised Date: 3rd quarter 2023

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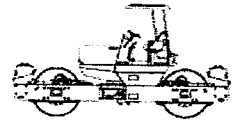
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Custom Cost Evaluator

June 25, 2024

Caterpillar CB54B (disc. 2017)
Tandem Vibratory Compactors

Size Class:
7.5 - 11.4 mt
Weight:
N/A



Configuration for CB54B (disc. 2017)

Drum Width **67.0 in** Horsepower **133.2 hp**
Power Mode **Diesel**

Hourly Ownership Costs

	Standard Value	User Adjusted Value	Variance
Depreciation	USD \$36.47/hr	-	-
Cost of Facilities Capital (CFC)	USD \$18.15/hr	-	-
Overhead	USD \$14.07/hr	-	-
Overhaul Labor	USD \$18.89/hr	-	-
Overhaul Parts	USD \$52.54/hr	-	-
Total Hourly Ownership Cost:	USD \$140.13/hr	-	-
User Defined Adjustments:			

Hourly Operating Costs

	Standard Value	User Adjusted Value	Variance
Field Labor	USD \$14.69/hr	-	-
Field Parts	USD \$40.28/hr	-	-
Ground Engaging Component (GEC)	USD \$0.00/hr	-	-
Tire	USD \$0.00/hr	-	-
Electrical/Fuel	USD \$12.61/hr	-	-
Lube	USD \$4.49/hr	-	-
Total Operating Ownership Cost:	USD \$72.08/hr	-	-
User Defined Adjustments:			

Total

	Standard Value	User Adjusted Value	Variance
Hourly Ownership Costs	USD \$140.13/hr	-	-
Hourly Operating Costs	USD \$72.08/hr	-	-
Total Hourly Cost	USD \$212.20	-	-

Non-active use rates

	Standard Value	User Adjusted Value	Variance
Standby	USD \$68.69/hr	-	-
Idle	USD \$152.74/hr	-	-

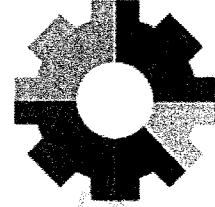
Revised Date: 2nd quarter 2024

The equipment represented in this report has been exclusively prepared for Joshua Munna (joshuam@barriere.com)

Rental Rate Blue Book®

June 20, 2023

Etnyre BT (2000)
 Asphalt Distributors For Truck Mounting

 Size Class:
 To 2,000 gal
 Weight:
 8700 lbs

Configuration for BT (2000)

 Power Mode **Gasoline**
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 \$4,135.00	USD \$1,160.00	USD \$290.00	USD \$44.00	USD \$33.17	USD \$56.66
Adjustments						
Region (Louisiana: 94.6%)	(USD \$223.29)	(USD \$62.64)	(USD \$15.66)	(USD \$2.38)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$3,911.71	USD \$1,097.36	USD \$274.34	USD \$41.62	USD \$33.17	USD \$55.40

Non-Active Use Rates

	Hourly
Standby Rate	USD \$13.56
Idling Rate	USD \$42.11

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	46%	USD \$1,902.10/mo
Overhaul (ownership)	39%	USD \$1,612.65/mo
CFC (ownership)	7%	USD \$289.45/mo
Indirect (ownership)	8%	USD \$330.80/mo
Fuel (operating) @ USD 3.46	60%	USD \$19.88/hr

Revised Date: 2nd quarter 2023

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.

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www.equipmentwatch.com
All prices shown in US dollars (\$)

Rental Rate Blue Book®

May 3, 2023

Miscellaneous 4 TON
Tilt Deck Utility Trailers

Size Class:
All
Weight:
N/A



Configuration for 4 TON

Capacity	4 t	Deck Length	20 ft
Number of Axles	2	Number of Tires	4

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 \$885.00	USD \$250.00	USD \$63.00	USD \$9.00	USD \$3.39	USD \$8.42
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$885.00	USD \$250.00	USD \$63.00	USD \$9.00	USD \$3.39	USD \$8.42

Non-Active Use Rates

	Hourly
Standby Rate	USD \$3.87
Idling Rate	USD \$5.03

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	47%	USD \$415.95/mo
Overhaul (ownership)	23%	USD \$203.55/mo
CFC (ownership)	11%	USD \$97.35/mo
Indirect (ownership)	19%	USD \$168.15/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2023

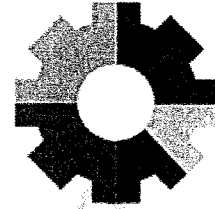
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Rental Rate Blue Book®

April 18, 2023

Miscellaneous 4X2 25KGWV DSL
 On-Highway Flatbed Trucks

 Size Class:
19,501 - 26,000 lbs
 Weight:
9204 lbs

Configuration for 4X2 25KGWV DSL

Axle Configuration	4X2	Horsepower	200.0
Maximum Gross Vehicle Weight	25000.0 lbs	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	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$1,565.00	USD \$440.00	USD \$110.00	USD \$17.00	USD \$22.59	USD \$31.48
Adjustments						
Region (Louisiana: 95.5%)	(USD \$70.43)	(USD \$19.80)	(USD \$4.95)	(USD \$0.76)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,494.57	USD \$420.20	USD \$105.05	USD \$16.24	USD \$22.59	USD \$31.08

Non-Active Use Rates

Standby Rate	Hourly	USD \$6.37
Idling Rate	Hourly	USD \$25.14

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	50%	USD \$782.50/mo
Overhaul (ownership)	25%	USD \$391.25/mo
CFC (ownership)	12%	USD \$187.80/mo
Indirect (ownership)	13%	USD \$203.45/mo
Fuel (operating) @ USD 4.25	74%	USD \$16.65/hr

Revised Date: 2nd quarter 2023

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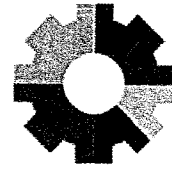
The equipment represented in this report has been exclusively prepared for (joshuam@barriere.com)

Rental Rate Blue Book®

February 27, 2024

Superior Broom DT80J
Self Propelled Pavement Brooms

Size Class:
All
Weight:
5300 lbs



Configuration for DT80J

Horsepower **80.0** 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	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$11,530.00	USD \$3,230.00	USD \$810.00	USD \$120.00	USD \$47.76	USD \$113.27
Adjustments						
Region (Louisiana: 93.9%)	(USD \$703.33)	(USD \$197.03)	(USD \$49.41)	(USD \$7.32)		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$10,826.67	USD \$3,032.97	USD \$760.59	USD \$112.68	USD \$47.76	USD \$109.28

Non-Active Use Rates

	Hourly
Standby Rate	USD \$23.99
Idling Rate	USD \$73.79

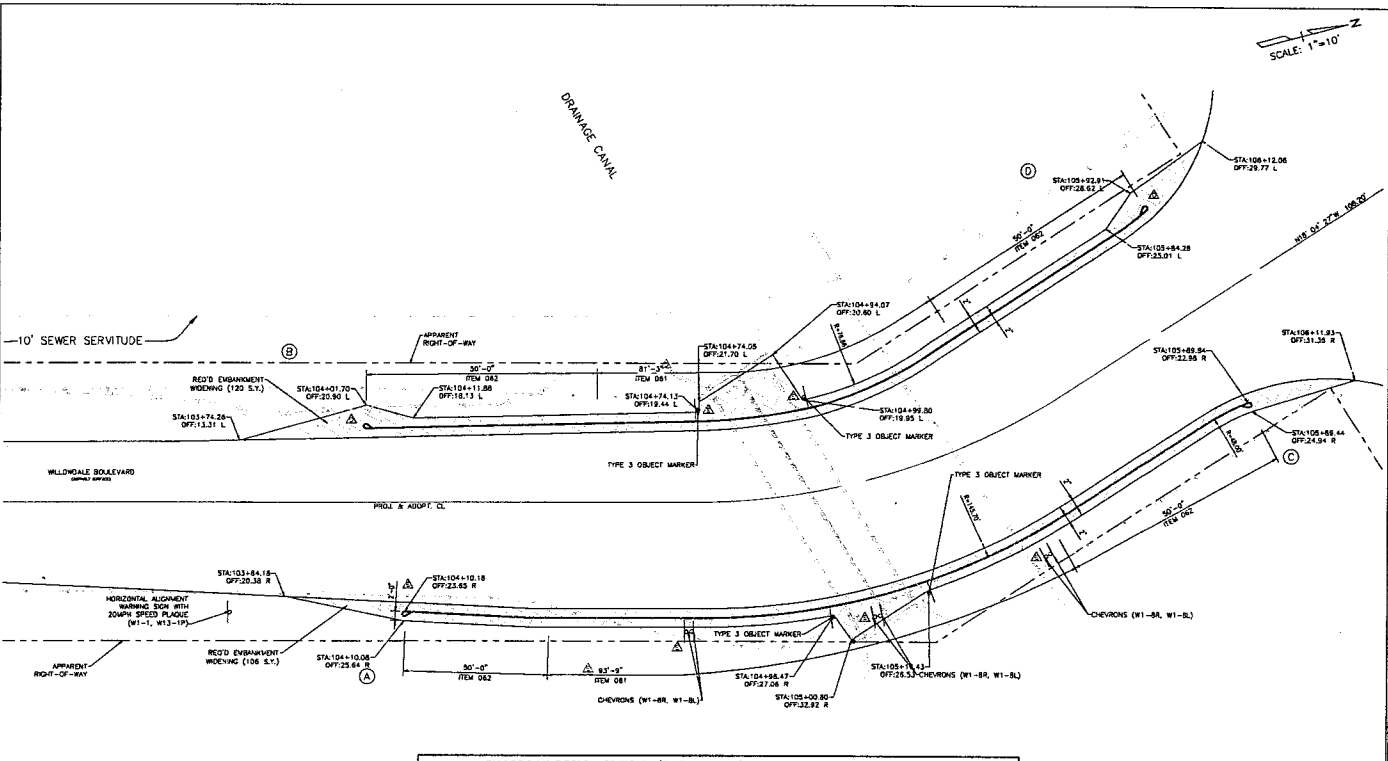
Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	19%	USD \$2,190.70/mo
Overhaul (ownership)	61%	USD \$7,033.30/mo
CFC (ownership)	10%	USD \$1,153.00/mo
Indirect (ownership)	10%	USD \$1,153.00/mo
Fuel (operating) @ USD 4.15	25.69%	USD \$12.27/hr

Revised Date: 1st quarter 2024

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 Joshua Munna (joshuam@barriere.com)



GUARDRAIL DESIGN CRITERIA (EDSM II.3.1.3) - WILLOWDALE BLVD. BOX CULVERT							
HIGHWAY CLASSIFICATION				ADT	L _c		
URBAN MINOR COLLECTOR				3,279	26		
GUARDRAIL LAYOUT REQUIREMENTS							
BRIDGE QUADRANT	L _R	L _H	L ₂	a/b	X	Y	Z
A	△ 110	△ 10.92	△ 3.0	TANGENT	△ 81.25	△ 3.00	△ 8.00
B	160	28.5	20.0	TANGENT	62.50	20.00	25.00
C	△ 160	△ 26.0	15.0	TANGENT	68.75	15.00	20.00
D	△ 80	△ 23.0	2.0	TANGENT	75.00	2.00	7.00



CHANGE ORDER AND/OR SPECIAL AGREEMENT

digital engineering
 DIGITAL ENGINEERING & IMAGING, INC.
 527 W. ESPLANADE AVE., STE. 200
 KENNER, LA. 70005 - PH. (504) 466-6129

PROJECT NO.	123456	DATE	JANUARY 12, 2024
DRAWN BY	J. SMITH	CHECKED BY	M. JONES
SCALE	1"=10'	PROJECT NAME	GUARD RAIL LAYOUT
CLIENT	STATE OF LOUISIANA	LOCATION	WILLOWDALE TURN LANE