

CHANGE ORDER/C.O. No. 1

PROJECT: Calder Road Improvements Project
 CONTRACT No.: _____ PROJECT No.: ST1002

TO: Texas Sterling Construction Co.
 Contractor and 29810 Fernbush Ln
 Address for Written Notice Houston, TX 77073

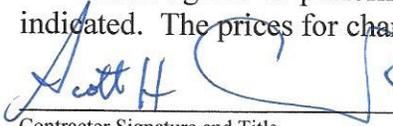
REFERENCE RFIs/RFPs: RFI 011

1.01 DESCRIPTION OF CHANGES	CONTRACT	CHANGE
	AMOUNT	TIME
ITEM 1 SCOPE: WCD No. 1 (<i>See Attached WCD No. 1</i>)	\$12,816.00	0 Days
ITEM 2 SCOPE: WCD No. 2 (<i>See Attached WCD No. 2</i>)	\$9,492.24	0 Days
ITEM 3 SCOPE: Install and Maintain 76 units of 20ft Low Profile Concrete Barriers (LPCB) for the duration of Traffic Control Plan Phase 1 and Phase 2 (approx. 9 months).	\$42,028.00	3 Days
JUSTIFICATION: The Calder Road Construction Traffic Control Plan, Phase 1 and Phase 2, requires the construction of a temporary two-lane asphalt detour road on the east side of the existing roadway paving. The detour plan anticipated that the new power poles, on the east side of the ROW, would be one foot from the east ROW line. In order for TNMP to maintain the required clearance from the property line, the new power poles were installed closer to the proposed road and therefore ended up at the edge of the detour. A protective barrier was required to protect traffic from possibly hitting the poles.		
ITEM 4 SCOPE: Construct 10' wide 2" asphalt overlay from Sta. 40+00 to Sta. 82+28.	\$64,904.00	7 Days
JUSTIFICATION: The contract Traffic Control Plan did not provide a "Work Zone" for the construction of the temporary asphalt detour from Sta. 22+20 to Sta. 82+28. It was determined necessary to move traffic to the west side of the road to allow the east side of the road to be use as the "Work Zone" to construct the detour. A portion of the west side of the road is in poor condition and requires an asphalt overlay to provide an acceptable riding surface. This asphalt overlay will extend from Oleander Lane to Turner Road along Calder Road.		

TOTALS: \$129,240.24	10 Days
<hr/>	<hr/>

1.02 ACCEPTANCE BY CONTRACTOR

Contractor agrees to perform change(s) included in this Change Order for the price and time indicated. The prices for changes include all costs associated with this Change Order.


VICE PRESIDENT
06/23/2017

Contractor Signature and Title _____ Date _____

1.03 ACCEPTANCE BY THE CITY

Project Manager / Engineer Date

Director Public Works Date

Project Manager / League City Date

Date

[Intermediate Authority, if needed] Date

City Manager Date

END OF DOCUMENT

cc: [City Director of Engineering], [File(s)]

EXECUTIVE SUMMARY

C.O. No. 1 Contract No.: _____ Proj. No.: ST1002

1.01	CONTRACT PRICE SUMMARY	<u>Dollar Amount</u>	<u>Percent</u>
A.	Original Contract Price	\$7,528,129.70	100.00%
B.	Previous Change Orders	\$0.00	0.00%
C.	This Change Order	\$129,240.24	1.72%
D.	Contract Price	\$7,657,369.94	101.72%

Date of Commencement of the Work: Monday, January 16, 2017

1.02	CONTRACT TIME SUMMARY	<u>Duration</u>	<u>Completion Date</u>
A.	Original Contract Time	530 Days	Friday, June 29, 2018
B.	Previous Change Orders	0 Days	Friday, June 29, 2018
C.	This Change Order	10 Days	
D.	Contract Time	540 Days	Monday, July 9, 2018

1.03 TOTAL VALUE OF INCREASES OUTSIDE OF GENERAL SCOPE OF WORK

A. Including this Change Order, the following table is provided to track conditions related to Paragraph 7.1.2.3 of Document 00700 - General Conditions.

<u>CHANGE ORDER No.</u>	<u>AMOUNT ADDED</u>	<u>PERCENT OF ORIGINAL CONTRACT PRICE</u>
1	\$129,240.24	1.72 %
TOTALS	\$129,240.24	1.72%

END OF SUMMARY

INSTRUCTIONS

PURPOSE: Change Orders are used to affect Modifications to the Contract. Prior to final payment, previously approved Work Change Directives can be combined into a summary Change Order to reconcile project cost accounting. When signed and dated by Contractor and City Engineer, document becomes an approved Change Order.

APPLICATION: This form is applicable to agreed on Modifications to the Contract including, but not limited to the following:

- X Additions or reductions (including deletions) of existing bid item quantities.
- X Increases or decreases in construction Contract Time.
- Change in methods, material, etc., not covered by existing bid item quantities.
- New work not covered by existing bid item quantities.
- Price or schedule consideration for conditions not indicated by the Contract.

INSTRUCTIONS: Project Manager or Design Consultant prepares this form. The Executive Summary is for use by the City in analyzing the Change Order but is not a part of the Change Order. This form has two MS Excel tables imbedded in the MS Word document (Paragraphs 1.01 and 1.02 in the Executive Summary). Double click on any cell in these tables to make entries in spreadsheet mode. Click anywhere outside the spreadsheet to return to wordprocessing mode. Other tables in the Change Order and Executive Summary are MS Word tables, not imbedded Excel spreadsheets. Red colored text and numerals represent input fields. Black text and numerals are in cells with formulas or fixed text. Do not make entries in these cells. Following instructions correspond to blanks requiring input and paragraph numbers on form. Paragraph 1.02 of the Change Order form is completed by Contractor. All other items are completed by the City or Design Consultant. Paragraph 1.03 of the Change Order form is completed by administrative and approving authorities. Contractor shall provide all backup material to justify the costs of items enumerated in Paragraph 1.01 of the Change Order form.

CHANGE ORDER FORM:

1. Insert Change Order number and Contract number for the Project at the top of each page, following page one, if the Change Order must be longer than one page.
2. Insert Project name exactly as stated in the Agreement.
3. Insert Project number and other identifying numbers (e.g. File No.) for the Project.
4. Insert name of Contractor performing the Work and Contractor's address for notices. Address should be as shown in the Agreement unless changed by proper notice.
5. Insert applicable references to related RFIs and RFPs.
6. Paragraph 1.01: Insert brief descriptions of the changes, including reference to applicable Work Change Directives. Give justification to support change, cost of making change, and adjustment in Contract Time warranted by change. If more than one item is included, number each item. Extend the table to additional pages if necessary. Formulas are imbedded for totals but check the math when extending the table length.
7. Paragraph 1.02: Project Manager signs and dates and has other administrative authorities or representatives sign and date where indicated. Project Manager will substitute actual titles of these persons where red bracketed instructions are shown. Mayor's and Contracting Department Director's signature (and date) are only needed when the Change Order must go to City Council for funding prior to approval. City Engineer for Contracting Department (should be the same person designated in the Agreement) will only sign and date Paragraph 1.03 when funds are approved and in place for payment of additional work. City Engineer's signature and date signify approval of Change Order and is the only authorized approval authority of the City according to Document 00700 – General Conditions.
8. Insert appropriate list of "copy to" persons and file. Delete brackets and instructions. Change color of remaining text to black.

EXECUTIVE SUMMARY:

1. Paragraph 1.01: Insert (A) Original Contract Price, (B) cost of previous Change Orders and (C) cost of this Change Order in the price summary block. Other amounts and percentages in block are calculated by formula. Cost of this Change Order is calculated at the bottom of the table in Paragraph 1.01 of the Change Order form, when all items have been filled in BUT it does not automatically change the amount in Paragraph 1.01 C.
2. Paragraph 1.02: Insert Date of Commencement of Work (from Notice to Proceed), (A) original Contract Time, (B) additional days added from previous Change Orders and (C) days required for this Change Order in the time summary block. Other days and dates in block are calculated by formula. Days for this Change Order are calculated at the bottom of the table in Paragraph 1.01 of the Change Order form, when all items have been filled in BUT it does not automatically change the amount in Paragraph 1.02 C.
3. Paragraph 1.03 A: Project Manager will provide information from all previous Change Orders for this table (i.e. number, amount and percentage of Original Contract Price) so that it can be determined if Council Action is necessary.

WORK CHANGE DIRECTIVE/WCD No. 1

PROJECT: Construction of Calder Road Improvements (Ervin Street to Turner Road)
CONTRACT No.: _____ PROJECT No.: LC CIP Project No. ST1002

TO: Texas Sterling Construction Co.
Contractor and 29810 Fernbush Ln
Address for Written Notice Houston, TX 77073

REFERENCE RFIs/RFPs: _____

You are hereby directed to make the following changes in the Work, as described below and specified or shown on attachments, if applicable.

1.01 DESCRIPTION OF CHANGES

A. Brief description of changes in the Work:

Additional Traffic Control DEC dated 3/30/17). Detour NORTH BOUND TRAFFIC ONLY to east lane of roadway.

B. Justification for change(s):

This additional traffic control is required to maintain ONE WAY traffic during the transition from SJ Louis's construction to Texas Sterling's construction. The west side of the road way has deteriorated to a condition that will no longer support traffic and therefore it is required to move traffic to the east side of the roadway and close the west side for construction.

1.02 PROPOSED ADJUSTMENTS

A. Contract Price (Check one):

Lump sum increase of _____.

Unit Price of \$4,272.00 _____ per month _____*.

* Price is based on 3 months of TCP for a total of \$12,816.00

As provided in subparagraph _____ of General Conditions.

As follows:

B. Contract Time: Contract Time is proposed to remain unchanged.

1.03 NOTICE TO PROCEED BY THE CITY

Signatures by City indicates notice to proceed to Contractor for the described work and outlines proposed method of adjustment in Contract Price and Contract Time.

 Elizabeth M. Johnson Engineer Project Manager	<u>3/30/2017</u> Date	 Public Works Director	<u>4/3/17</u> Date
 City Project Manager	<u>4/3/2017</u> Date	Interim City Manager	Date

1.04 ACCEPTANCE BY CONTRACTOR

Signature by Contractor indicates Contractor's agreement with the above proposed adjustments in Contract Price and Contract Time.

 Contractor Signature and Title	<u>Project Manager</u>	<u>3/31/17</u> Date
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END OF DOCUMENT

cc: [Design Consultant], [Owning Dept. Director], [Other Copy Addres], [File(s)]

EXECUTIVE SUMMARY

WCD No. 2 Contract No.: _____ Proj. No.: ST1002

1.01	CONTRACT PRICE SUMMARY	Dollar Amount	Percent
A.	Original Contract Price	\$7,528,129.70	100.00%
B.	Previous Change Orders	\$0.00	0.00%
C.	This Work Change Directive	\$12,816.00	0.17%
D.	Revised Contract Price	\$7,540,945.70	100.17%
E.	Projected Contract Modifications*		
F.	Projected Contract Price		

		Date of Commencement of the Work:	Monday, January 16, 2017
1.02	CONTRACT TIME SUMMARY	Duration	Completion Date
A.	Original Contract Time	530 Days	Friday, June 29, 2018
B.	Previous Change Orders	0 Days	Friday, June 29, 2018
C.	This Work Change Directive	0 Days	
D.	Revised Contract Time	530 Days	Friday, June 29, 2018
E.	Projected Contract Modifications*		
F.	Projected Contract Time		

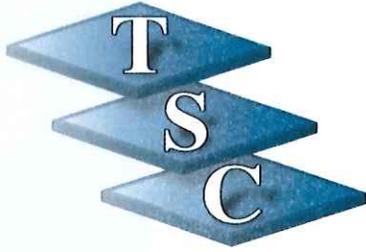
1.03 TOTAL VALUE OF INCREASES OUTSIDE OF GENERAL SCOPE OF WORK

A. Including this Work Change Directive, the following table is provided to track conditions related to Paragraph 7.1.2.3 of Document 00700 - General Conditions.

<u>WCD & C.O. Nos.</u>	<u>AMOUNT ADDED</u>	<u>PERCENT OF ORIGINAL CONTRACT PRICE</u>
1	\$12,816.00	0.17%
TOTALS	\$12,816.00	0.17%

* Based on approved WCDs not yet included in Change Orders and Change Orders not yet issued.

END OF SUMMARY



January 30, 2017

City of League City

Ser. Ltr. 1608-2016-03

ATTN: Mr. Robert Morrison
500 W Walker St.
League City, Texas 77573

Reference:	Project:	Calder Road Improvements (Ervin Rd. to Turner Rd.)
	Owner:	City of League City
	Highway:	Calder Road.
	County:	Galveston

Subject: Pricing for One Way Traffic Control Installation

Dear Mr. Morrison;

Per your request, Texas Sterling Construction Co. ("TSC") is pleased to provide you a proposal for the above referenced project to install Traffic Control devices to maintain one way traffic in accordance to plans sheets 28-30 provided via email on January 23rd, 2017.

The pricing to install and maintain this Traffic Control setup is \$4,272.00 per month, or if you wish to provide the materials, the pricing is \$3,132.00 per month for maintenance only. Please see the summary enclosed.

Should you wish to discuss this, please contact me via email at martin.carranza@strlco.com or by phone at 281-821-9091 (O) or 281-723-2754 (C).

Sincerely,

Martin Carranza, P.E.
Project Manager

TEXAS STERLING CONSTRUCTION CO.

20810 FERNBUSH • HOUSTON, TEXAS 77073 • (281) 821-9091 • FAX (281) 821-2995

Description	Unit Price	Unit	Qty.	Total Hours	OVTM FACTOR	Cost	Cost Summary
TSC Labor							
Foreman	\$43.50	HR	1	20	1	\$870.00	
Labor	\$16.00	HR	2	20	1	\$640.00	
Sub-total Labor						<u>\$1,510.00</u>	
55% Labor Burden						\$830.50	
15% Labor Markup(Direct only)						\$226.50	
Total Labor							\$2,567.00
TSC Material							
						\$0.00	
						<u>\$0.00</u>	
Sub-total Materail						\$0.00	
25% Material Markup						\$0.00	
Total Material							\$0.00
TSC Equipment							
Foreman Truck	\$23.20	HR	1	20		\$464.00	
Sub-total Equipment						<u>\$464.00</u>	
15% Equipment Markup						\$69.60	
Total Equipment							\$533.60
Subcontractor							
Traffic Control Monthly Fee	\$1,075.00	MTH	1			\$1,075.00	
						<u>\$0.00</u>	
Sub-total Subcontractor						\$1,075.00	
5% Subcontractor Markup						\$53.75	
Total Subcontractor							<u>\$1,128.75</u>
							<u>\$4,229.35</u>
1% Bond							\$42.29
	\$4,271.64	MTH	1				\$4,271.64

Description	Unit Price	Unit	Qty.	Total Hours	OVTM FACTOR	Cost	Cost Summary
TSC Labor							
Foreman	\$43.50	HR	1	20	1	\$870.00	
Labor	\$16.00	HR	2	20	1	\$640.00	
Sub-total Labor						<u>\$1,510.00</u>	
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15% Labor Markup(Direct only)						\$226.50	
Total Labor							\$2,567.00
TSC Material							
						\$0.00	
						<u>\$0.00</u>	
Sub-total Materail						\$0.00	
25% Material Markup						\$0.00	
Total Material							\$0.00
TSC Equipment							
Foreman Truck	\$23.20	HR	1	20		\$464.00	
Sub-total Equipment						<u>\$464.00</u>	
15% Equipment Markup						\$69.60	
Total Equipment							\$533.60
Subcontractor							
						\$0.00	
						<u>\$0.00</u>	
Sub-total Subcontractor						\$0.00	
5% Subcontractor Markup						\$0.00	
Total Subcontractor							\$0.00
							<u>\$0.00</u>
							\$3,100.60
1% Bond							\$31.01
							<u>\$3,131.61</u>
	\$3,131.61	MTH	1				\$3,131.61



LoneStar Traffic Safety

6830 Barney Road
Houston, Texas 77092

City: League City
Project: Calder Road
Bid Date: 1/25/2017

Estimator: Shane Butler
Cell Phone: [713-416-9627](tel:713-416-9627)
E-mail: Shane@lonestartraffic.com

To furnish, install and maintain standard construction barricades, signs, drums and warning lights required by the plans and specifications on an equipment lease basis. Equipment lease quantity based on the actual time the equipment is on the project, not the quantity paid by the owner (Barricades, Signs and Traffic Handling). An advance notice is required for project set to allow for utility locates. Lessee agrees that in the event of failure, malfunction, or damage to any of the equipment leased to lessee by lessor under this agreement, lessee will promptly notify lessor, and that time is of the essence in regard to such notice, due to the nature and use made of such property. Prices quoted are valid for thirty days, pending compliance with credit terms and conditions. Any contract entered into as a result of this quotation shall contain the following indemnity language: "Subcontractor shall indemnify and hold harmless the contractor and its officers, agents, and employees from all suits, actions, losses, damages, claims or liability of any character, type or description, including without limiting the generality of the foregoing all expenses of litigation, court costs, and attorney's fees provided such claims, damages and reasonable expenses are attributable to injury or death to any person, or injury to any property, received or sustained by any person or persons or property, arising out of, or occasioned by the negligent acts of subcontractor or its agents or employees, in the execution or performance of this contract. Subcontractor's obligation to indemnify contractor shall extend only to the percentage of negligence of subcontractor in contributing to such claims, demands, liabilities or reasonable expenses."

ITEM	DESCRIPTION	UNIT PRICE	UOM	QUANTITY	EXT PRICE
	LUMP SUM SET	\$1,740.00	LS	1	\$1,740.00
	BARRICADES, SIGNS, & TRAF	\$495.00	MO	3	\$1,485.00
Total =					\$3,225.00

NOTES: Proposal includes up to 44 drums.

- 1) Contractor is responsible for the daily housekeeping to be sure all traffic control is in its proper location. Daily maintenance and movement of devices is excluded.
- 2) Sales tax will be billed accordingly unless a tax exemption certificate is provided.
- 3) Equipment lease quantity is based on the actual time the equipment is on the project, not the quantity paid by the owner (Barricades, Signs, and Traffic Handling and Portable Changeable Message Sign)
- 4) LoneStar Traffic Safety requires a 2 week notice prior to initial move-in.
- 5) Proposal excludes AGC dues and performance bonds.
- 6) Proposals of less than \$10,000 shall not have retainage withheld.
- 7) If contractor requires this project to be additionally insured, add \$500 to the above total.

Bid items do NOT include the following:

- ** Sales Tax will be added to the total unless a tax exemption certificate is on file
- ** Arrow Boards (\$50 day, \$150 week, \$450 month)
- ** Electronic Message Boards - (\$1,150 month) Does not include delivery.
- ** Truck Mounted Attenuators
- ** Static Message Boards
- ** Removal, covering, and/or relocating of existing traffic control devices
- ** Temporary roll-up signs, flags, and spring loaded stands
- ** Construction fence
- ** Concrete or water barriers
- ** Flagmen, police officers, or pilot car operations
- ** Labor and/or equipment for daily/night/weekend lane closures
- ** Attenuators for any work zone end treatment application
- ** Tubular, or glue down devices and labor to install
- ** Temporary rumble strip for lane closures
- ** Any concrete or asphalt paving, and/or guardrail items for detours
- ** Any temporary pavement markings

This proposal may be withdrawn if not accepted within 30 days. Proposal prices are pending compliance with credit terms and conditions.

By signing is accepting the above terms and conditions.

Thank you for your consideration.

Accepted By:

Name: _____
Signature: _____
P.O. Number: _____
Job Number: _____



Rental Rate Blue Book®

November 25, 2015

On-Highway Light Duty Trucks

Miscellaneous Models

Size Class:

Net Hp 300 HP & Over

Configuration for On-Highway Light Duty Trucks

Power Mode	Diesel	Cab Type	Crew
Axle Configuration	4X4	Ton Rating	1
Horsepower	325.0		

Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$1,105.00	\$310.00	\$78.00	\$12.00	\$17.60	\$23.88
Adjustments						
Region (Texas: 91.4%)	(\$95.03)	(\$26.66)	(\$6.71)	(\$1.03)		
Model Year (2012: 97.6%)	(\$24.24)	(\$6.80)	(\$1.71)	(\$0.26)		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$985.73	\$276.54	\$69.58	\$10.71	\$17.60	\$23.20

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	58%	\$640.90 / mo
Overhaul (ownership)	28%	\$309.40 / mo
CFC (ownership)	4%	\$44.20 / mo
Indirect (ownership)	10%	\$110.50 / mo
Fuel (operating) @ \$3.46	77%	\$13.49 / hr

Revised Date: 2nd Half 2015

STATUS: 90% SUBMITTAL
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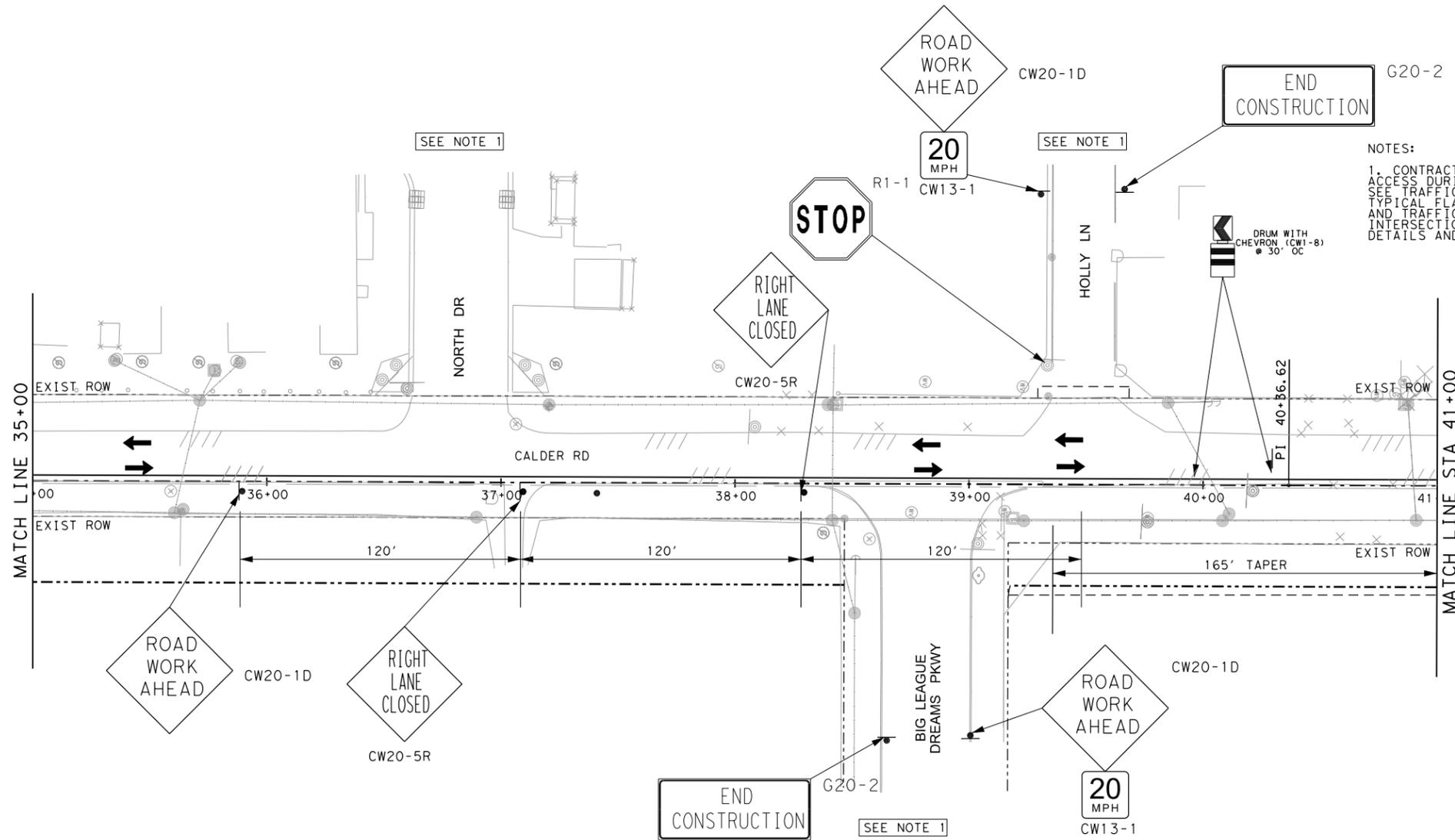
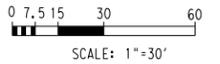
TYPICAL TRANSITION LENGTHS
 AND
 SUGGESTED MAXIMUM SPACING OF DEVICES

Posted speed	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing Of Device	
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent
30	L = WS ² /60	15'	165'	180'	30'	60' - 75'
35		205'	225'	245'	35'	70' - 90'
40		265'	295'	320'	40'	80' - 100'
45	L=WS	450'	495'	540'	45'	90' - 110'
50		500'	550'	600'	50'	100' - 125'
55		550'	605'	660'	55'	110' - 140'
60		600'	660'	720'	60'	120' - 150'
65		650'	715'	780'	65'	130' - 175'



CONSTRUCTION WARNING
 SIGN SPACING

Posted Speed Or 85% Speed (MPH)	X Min. Distance (feet)
30 or less	120
35	160
40	240
45	320
50	400
55	500
65	700



NOTES:
 1. CONTRACTOR TO MAINTAIN ROAD ACCESS DURING CONSTRUCTION. SEE TRAFFIC CONTROL GUIDELINES, TYPICAL FLAGGING OR MOVING OPERATIONS AND TRAFFIC CONTROL GUIDELINES INTERSECTION SEQUENCING FOR MORE DETAILS AND INFORMATION.

Elizabeth M. Johnson
 SIGNATURE OF REGISTRANT 3/30/2017

DANNENBAUM
 ENGINEERING CORPORATION
 T.B.P.E. FIRM REGISTRATION #392
 3100 WEST ALABAMA HOUSTON, TX 77098 (713) 520-9570



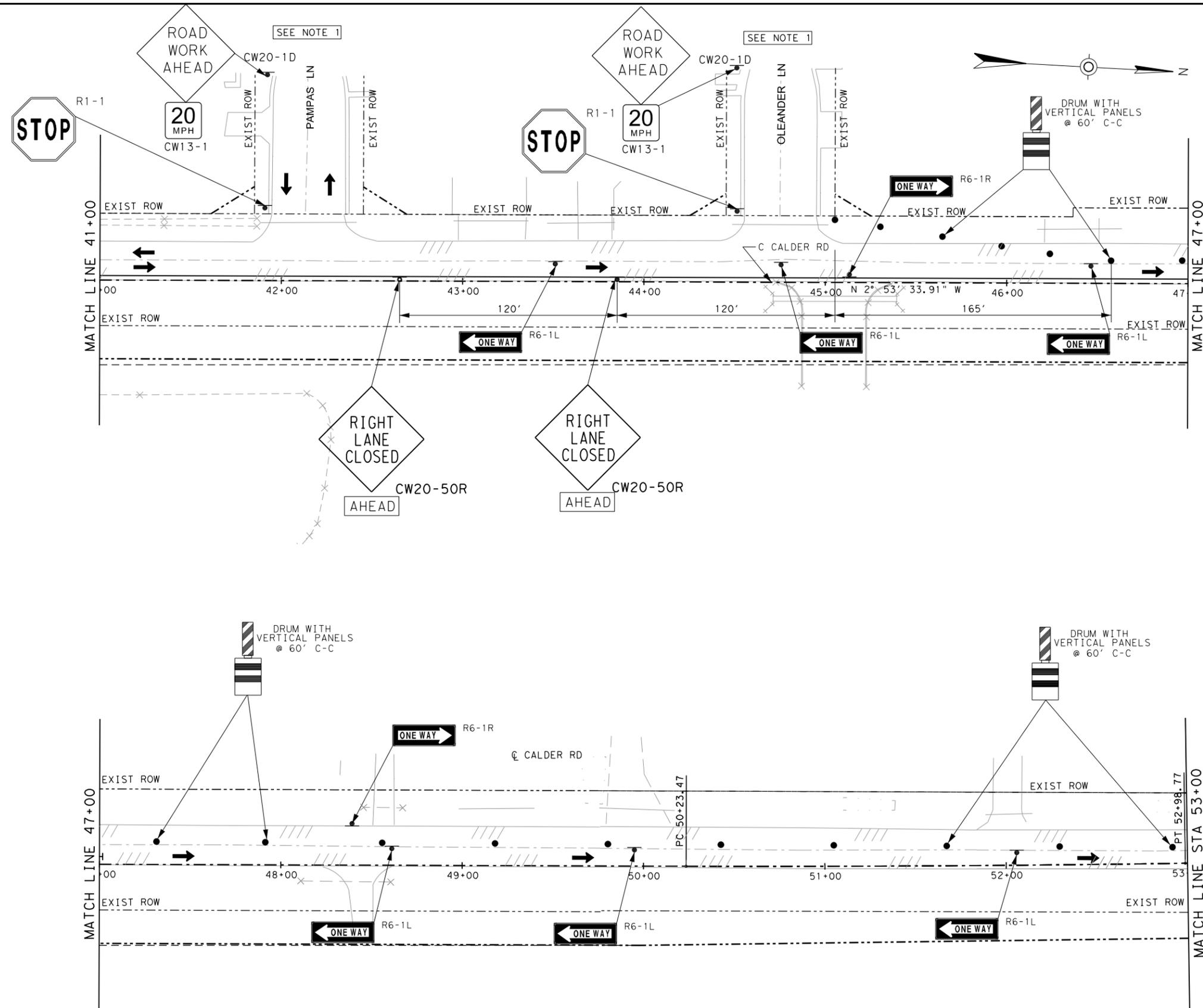
DATE	REVISION	BY

CALDER ROAD FROM ERVIN ROAD TO TURNER ROAD

TRAFFIC CONTROL PLAN-PHASE 1A
 STA 29+00 TO STA 41+00

SHEET 1 OF 5
 PROJECT NO. 4697-01
 DRAWN: JSR CHECKED: WNE
 SCALE: 1"=30' DATE: 3/30/2017
 SHEET NO. \$AV\$

STATUS: 90% SUBMITTAL
 USER: jsr
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 TIME: 3:23:08 PM



NOTES:
 1. CONTRACTOR TO MAINTAIN ROAD ACCESS DURING CONSTRUCTION. SEE TRAFFIC CONTROL GUIDELINES, TYPICAL FLAGGING OR MOVING OPERATIONS AND TRAFFIC CONTROL GUIDELINES, INTERSECTION SEQUENCING FOR MORE DETAILS AND INFORMATION.



Elizabeth M. Johnson
 SIGNATURE OF REGISTRANT 3/30/2017

DANNENBAUM
 ENGINEERING CORPORATION
 T.B.P.E. FIRM REGISTRATION #392
 3100 WEST ALABAMA HOUSTON, TX 77098 (713) 520-9570

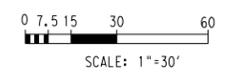
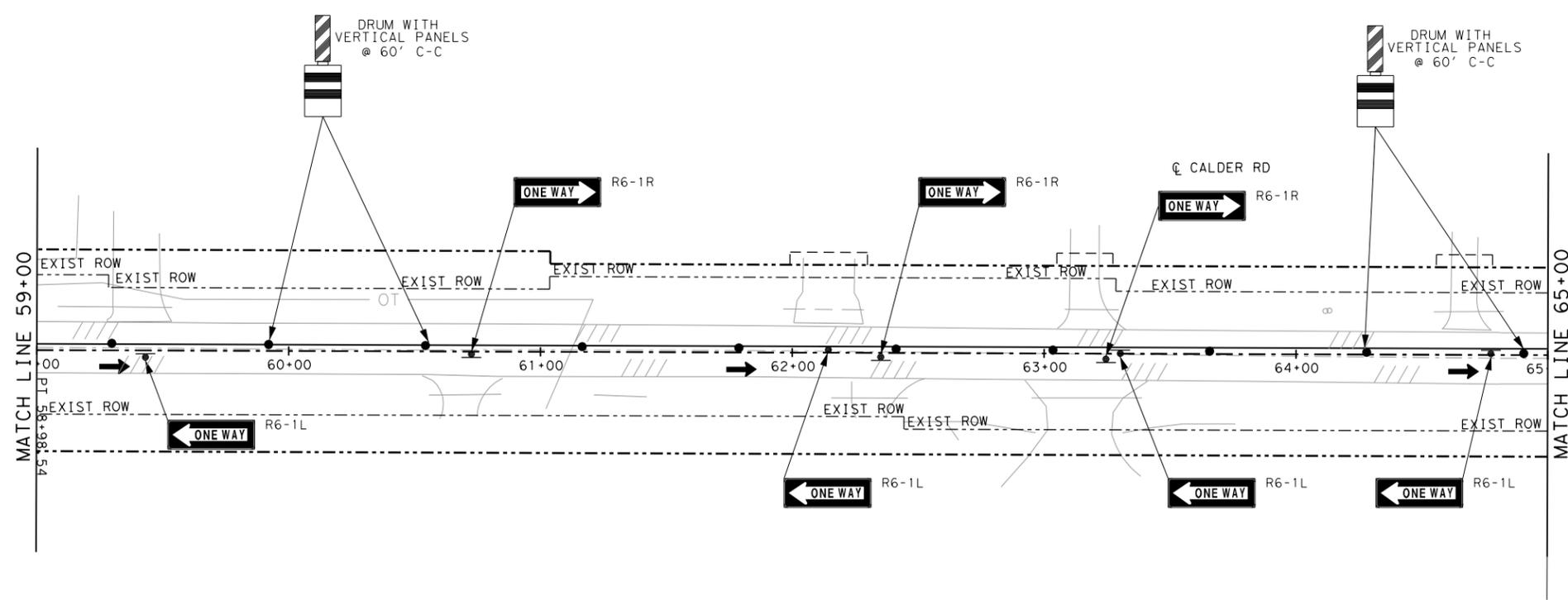
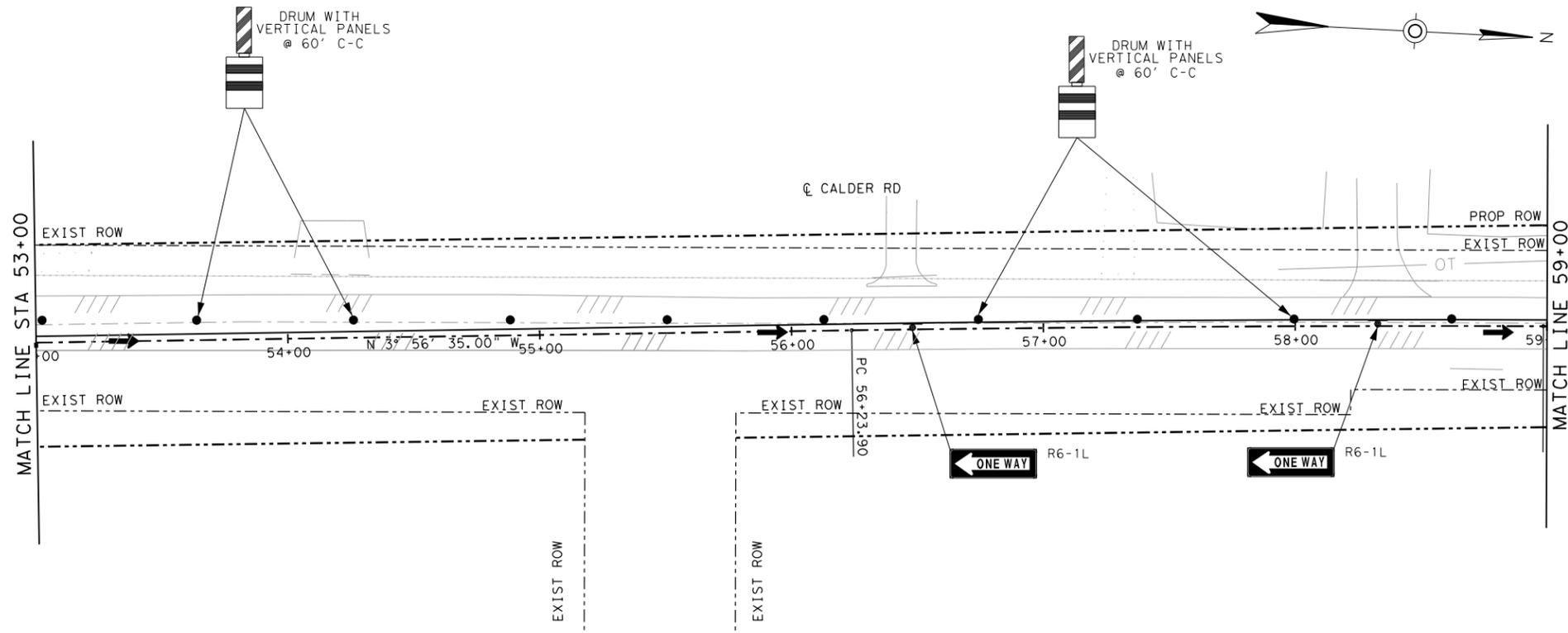


DATE	REVISION	BY

CALDER ROAD FROM ERVIN ROAD TO TURNER ROAD

TRAFFIC CONTROL PLAN-PHASE 1A
 STA 41+00 TO STA 53+00

STATUS: 90% SUBMITTAL
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Elizabeth M. Johnson
 SIGNATURE OF REGISTRANT 3/30/2017

DANNENBAUM
 ENGINEERING CORPORATION
 T.B.P.E. FIRM REGISTRATION #392
 3100 WEST ALABAMA HOUSTON, TX 77098 (713) 520-9570

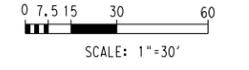
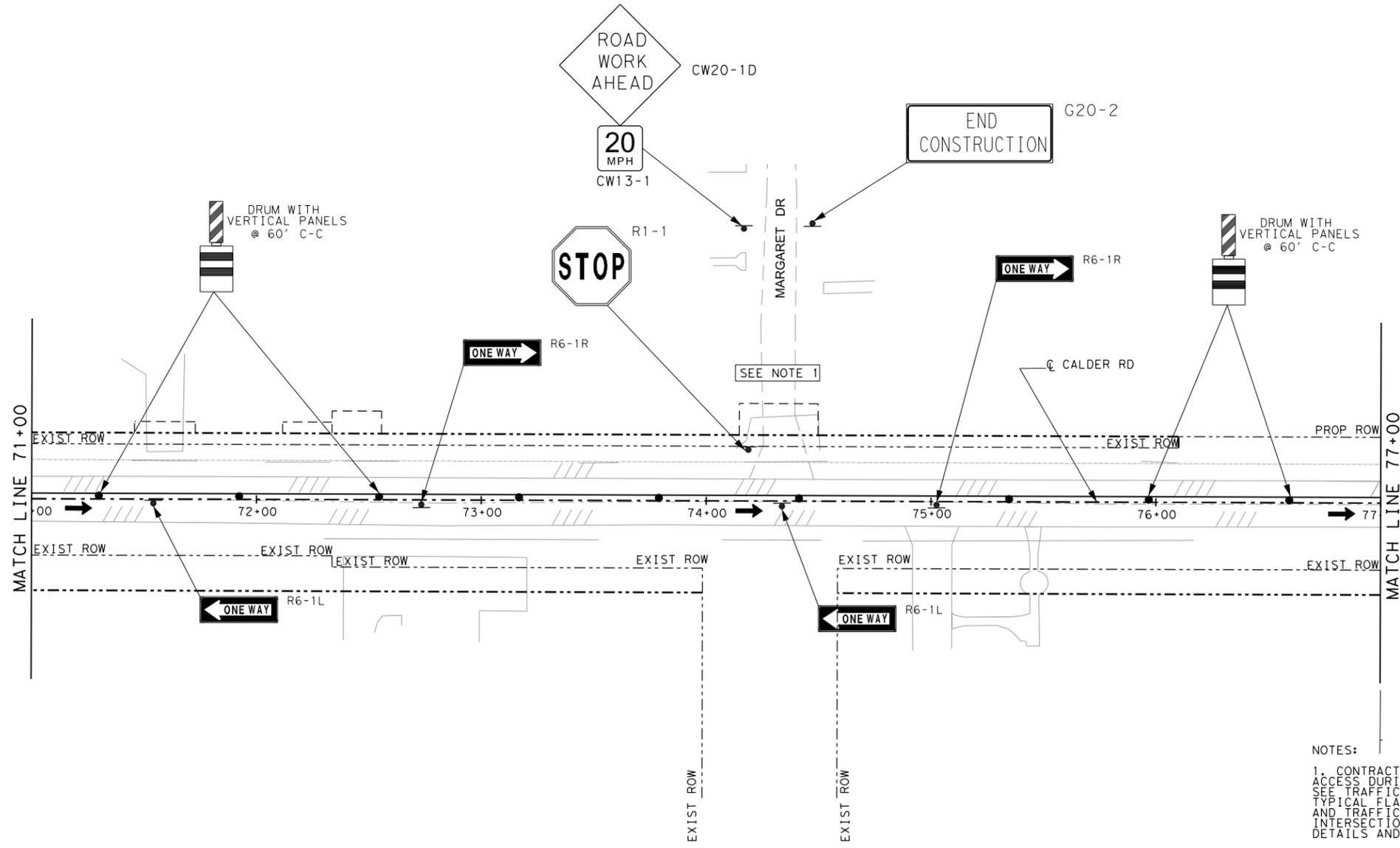
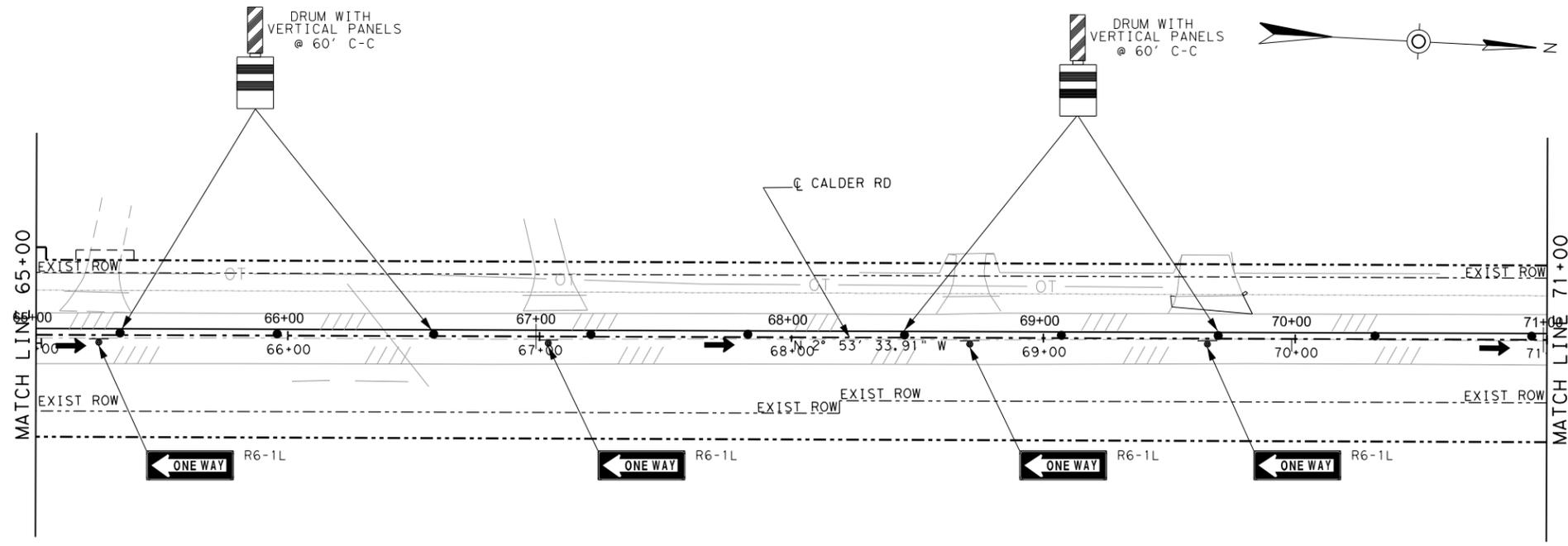


DATE	REVISION	BY

CALDER ROAD FROM ERVIN ROAD TO TURNER ROAD

TRAFFIC CONTROL PLAN-PHASE 1A
 STA 53+00 TO STA 65+00

STATUS: 90% SUBMITTAL
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Elizabeth M. Johnson
 SIGNATURE OF REGISTRANT 3/30/2017

DANNENBAUM
 ENGINEERING CORPORATION
 T.B.P.E. FIRM REGISTRATION #392
 3100 WEST ALABAMA, HOUSTON, TX 77098 (713) 520-9570



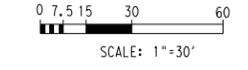
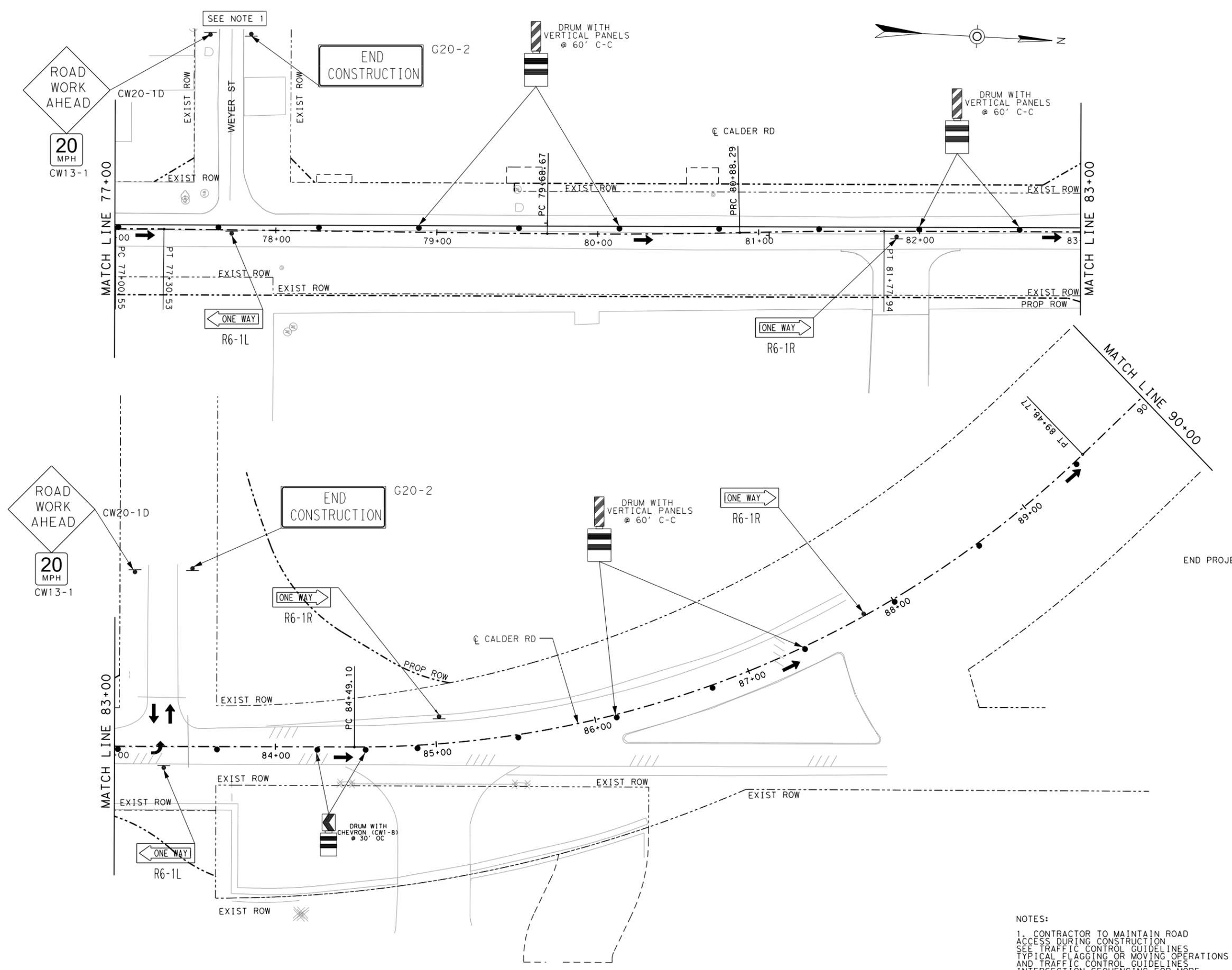
DATE	REVISION	BY

CALDER ROAD FROM ERVIN ROAD TO TURNER ROAD

TRAFFIC CONTROL PLAN-PHASE 1A
 STA 65+00 TO STA 77+00

NOTES:
 1. CONTRACTOR TO MAINTAIN ROAD ACCESS DURING CONSTRUCTION. SEE TRAFFIC CONTROL GUIDELINES, TYPICAL FLAGGING OR MOVING OPERATIONS AND TRAFFIC CONTROL GUIDELINES INTERSECTION SEQUENCING FOR MORE DETAILS AND INFORMATION.

STATUS: 90% SUBMITTAL
 USER: pw:\us-hqj-pw01.dannenbaum.local\Documents\Transportation\4697-01\04 DGN\TCP\CalderTCP1-5.dgn
 TIME: 3:23:14 PM



Elizabeth M. Johnson
 SIGNATURE OF REGISTRANT 3/30/2017

DANNENBAUM
 ENGINEERING CORPORATION
 T.B.P.E. FIRM REGISTRATION #392
 3100 WEST ALABAMA HOUSTON, TX 77098 (713) 520-9570



DATE	REVISION	BY

CALDER ROAD FROM ERVIN ROAD TO TURNER ROAD

TRAFFIC CONTROL PLAN- PHASE 1A
 STA 77+00 TO STA 90+00

PROJECT NO. 4697-01
 DRAWN: JSR CHECKED: WNE
 SCALE: 1"=30' DATE: 3/30/2017
 SHEET NO. \$AZ\$

NOTES:
 1. CONTRACTOR TO MAINTAIN ROAD ACCESS DURING CONSTRUCTION
 SEE TRAFFIC CONTROL GUIDELINES
 TYPICAL FLAGGING OR MOVING OPERATIONS
 AND TRAFFIC CONTROL GUIDELINES
 INTERSECTION SEQUENCING FOR MORE
 DETAILS AND INFORMATION.

WORK CHANGE DIRECTIVE/WCD No. 2

PROJECT: Construction of Calder Road Improvements (Ervin Street to Turner Road)
CONTRACT No.: _____ PROJECT No.: LC CIP Project No. ST1002

TO: Texas Sterling Construction Co.
Contractor and 29810 Fernbush Ln
Address for Written Notice Houston, TX 77073

REFERENCE RFIs/RFPs: _____

You are hereby directed to make the following changes in the Work, as described below and specified or shown on attachments, if applicable.

1.01 DESCRIPTION OF CHANGES

A. Brief description of changes in the Work:

1) Additional Traffic Control DEC dated 3/30/17). Detour NORTH BOUND TRAFFIC ONLY to east lane of roadway. Add an additional 2 months.

2) Modification of Traffic Control to re-establish TWO WAY TRAFFIC between League City Parkway and Turner Road. 2 months total

B. Justification for change(s):

1) This additional traffic control is required to maintain ONE WAY traffic during the transition from SJ Louis's construction to Texas Sterling's construction. The west side of the road way has deteriorated to a condition that will no longer support traffic and therefore it is required to move traffic to the east side of the roadway and close the west side for construction.

2) Due to the traffic increase within the League City Parkway area, partly due to the traffic generated by the recently opened commercial businesses, the City decided to re-establish TWO WAY TRAFFIC, between League City Parkway and Turner Road.

1.02 PROPOSED ADJUSTMENTS

A. Contract Price (Check one):

Lump sum increase of _____.

Unit Price of \$ 4,746.12 per month *.

* 1) Price is based on 2 additional months of TCP at \$4,272/month for total of \$8,544

* 2) Price is based on 2 months of TCP at \$474.12/month for total of \$948.24

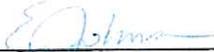
[] As provided in subparagraph _____ of General Conditions.

[] As follows:

B. Contract Time: Contract Time is proposed to remain unchanged.

1.03 NOTICE TO PROCEED BY THE CITY

Signatures by City indicates notice to proceed to Contractor for the described work and outlines proposed method of adjustment in Contract Price and Contract Time.

 _____ Engineer Project Manager	<u>5/23/17</u> Date	 _____ Public Works Director	<u>6/4/17</u> Date
 _____ City Project Manager	<u>6/5/17</u> Date	 _____ Interim City Manager	_____ Date

1.04 ACCEPTANCE BY CONTRACTOR

Signature by Contractor indicates Contractor's agreement with the above proposed adjustments in Contract Price and Contract Time.

 _____ Contractor Signature and Title	<u>Project Manager</u>	<u>6/1/17</u> Date
--	------------------------	-----------------------

END OF DOCUMENT

EXECUTIVE SUMMARY

WCD No. 2 Contract No.: _____ Proj. No.: ST1002

1.01 CONTRACT PRICE SUMMARY		Dollar Amount	Percent
A.	Original Contract Price	\$7,528,129.70	100.00%
B.	Previous Change Orders	\$12,816.00	0.17%
C.	This Work Change Directive	\$9,492.24	0.13%
D.	Revised Contract Price	\$7,550,437.94	100.30%
E.	Projected Contract Modifications*		
F.	Projected Contract Price		

		Date of Commencement of the Work:	Monday, January 16, 2017
1.02 CONTRACT TIME SUMMARY		Duration	Completion Date
A.	Original Contract Time	530 Days	Friday, June 29, 2018
B.	Previous Change Orders	0 Days	Friday, June 29, 2018
C.	This Work Change Directive	0 Days	
D.	Revised Contract Time	530 Days	Friday, June 29, 2018
E.	Projected Contract Modifications*		
F.	Projected Contract Time		

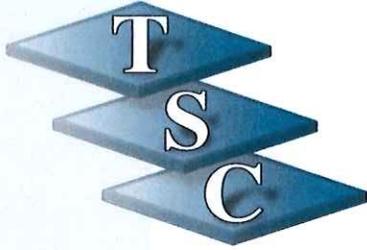
1.03 TOTAL VALUE OF INCREASES OUTSIDE OF GENERAL SCOPE OF WORK

A. Including this Work Change Directive, the following table is provided to track conditions related to Paragraph 7.1.2.3 of Document 00700 - General Conditions.

<u>WCD & C.O. Nos.</u>	<u>AMOUNT ADDED</u>	<u>PERCENT OF ORIGINAL CONTRACT PRICE</u>
1	\$12,816.00	0.17%
2	\$9,492.24	0.13%
<hr/>		
TOTALS	\$22,308.24	0.30%

* Based on approved WCDs not yet included in Change Orders and Change Orders not yet issued.

END OF SUMMARY



April 27, 2017

City of League City

Ser. Ltr. 1608-2016-04

ATTN: Mr. Robert Morrison
500 W Walker St.
League City, Texas 77573

Reference:	Project:	Calder Road Improvements (Ervin Rd. to Turner Rd.)
	Owner:	City of League City
	Highway:	Calder Road.
	County:	Galveston

Subject: Pricing for Traffic Control Modifications

Dear Mr. Morrison;

Per your request, Texas Sterling Construction Co. ("TSC") is pleased to provide you a proposal for the above referenced project to modify Traffic Control devices at Turner Rd. in accordance to layout instructions provided in the attached plan sheet.

The pricing to install and maintain this Traffic Control setup is \$474.12 per month. The price is valid for two months contingent on the utility relocation completion date of June 4th, 2018. Please see the summary enclosed.

Should you wish to discuss this, please contact me via email at martin.carranza@strlco.com or by phone at 281-821-9091 (O) or 281-723-2754 (C).

Sincerely,

Martin Carranza, P.E.
Project Manager

TEXAS STERLING CONSTRUCTION CO.

20810 FERNBUSH • HOUSTON, TEXAS 77073 • (281) 821-9091 • FAX (281) 821-2995

Description	Unit Price	Unit	Qty.	Total Hours	OVTM FACTOR	Cost	Cost Summary
TSC Labor							
						\$0.00	
						<u>\$0.00</u>	
Sub-total Labor						\$0.00	\$0.00
55% Labor Burden						\$0.00	
15% Labor Markup(Direct only)						\$0.00	
Total Labor							\$0.00
TSC Material							
						\$0.00	
						<u>\$0.00</u>	
Sub-total Materail						\$0.00	
25% Material Markup						\$0.00	
Total Material							\$0.00
TSC Equipment							
						\$0.00	
						<u>\$0.00</u>	
Sub-total Equipment						\$0.00	
15% Equipment Markup						\$0.00	
Total Equipment							\$0.00
Subcontractor							
Traffic Control Monthly Fee	\$447.07	MTH	1			\$447.07	
						<u>\$0.00</u>	
Sub-total Subcontractor						\$447.07	
5% Subcontractor Markup						\$22.35	
Total Subcontractor							\$469.43
							<u>\$469.43</u>
1% Bond							\$4.69
	\$474.12	MTH	1				\$474.12



LoneStar Traffic Safety

6830 Barney Road
Houston, Texas 77092

City: League City
Project: Calder Road
Bid Date: 4/26/2017 Revised

Estimator: Shane Butler
Cell Phone: [713-416-9627](tel:713-416-9627)
E-mail: Shane@lonestartraffic.com

To furnish, install and maintain standard construction barricades, signs, drums and warning lights required by the plans and specifications on an equipment lease basis. Equipment lease quantity based on the actual time the equipment is on the project, not the quantity paid by the owner (Barricades, Signs and Traffic Handling). An advance notice is required for project set to allow for utility locates. Lessee agrees that in the event of failure, malfunction, or damage to any of the equipment leased to lessee by lessor under this agreement, lessee will promptly notify lessor, and that time is of the essence in regard to such notice, due to the nature and use made of such property. Prices quoted are valid for thirty days, pending compliance with credit terms and conditions. Any contract entered into as a result of this quotation shall contain the following indemnity language: "Subcontractor shall indemnify and hold harmless the contractor and its officers, agents, and employees from all suits, actions, losses, damages, claims or liability of any character, type or description, including without limiting the generality of the foregoing all expenses of litigation, court costs, and attorney's fees provided such claims, damages and reasonable expenses are attributable to injury or death to any person, or injury to any property, received or sustained by any person or persons or property, arising out of, or occasioned by the negligent acts of subcontractor or its agents or employees, in the execution or performance of this contract. Subcontractor's obligation to indemnify contractor shall extend only to the percentage of negligence of subcontractor in contributing to such claims, demands, liabilities or reasonable expenses."

ITEM	DESCRIPTION	UNIT PRICE	UOM	QUANTITY	EXT PRICE
	LUMP SUM SET	\$550.00	LS	1	\$550.00
	BARRICADES, SIGNS, & TRAF	\$138.00	MO	1	\$138.00
				Total =	\$688.00

NOTES: Proposal is based on the equipment that was written on existing tcp and received on April 25th, 2017.

- 1) Contractor is responsible for the daily housekeeping to be sure all traffic control is in its proper location. Daily maintenance and movement of devices is excluded.
- 2) Sales tax will be billed accordingly unless a tax exemption certificate is provided.
- 3) Equipment lease quantity is based on the actual time the equipment is on the project, not the quantity paid by the owner (Barricades, Signs, and Traffic Handling and Portable Changeable Message Sign)
- 4) LoneStar Traffic Safety requires a 2 week notice prior to initial move-in.
- 5) Proposal excludes AGC dues and performance bonds.
- 6) Proposals of less than \$10,000 shall not have retainage withheld.
- 7) If contractor requires this project to be additionally insured, add \$500 to the above total.

Bid items do NOT include the following:

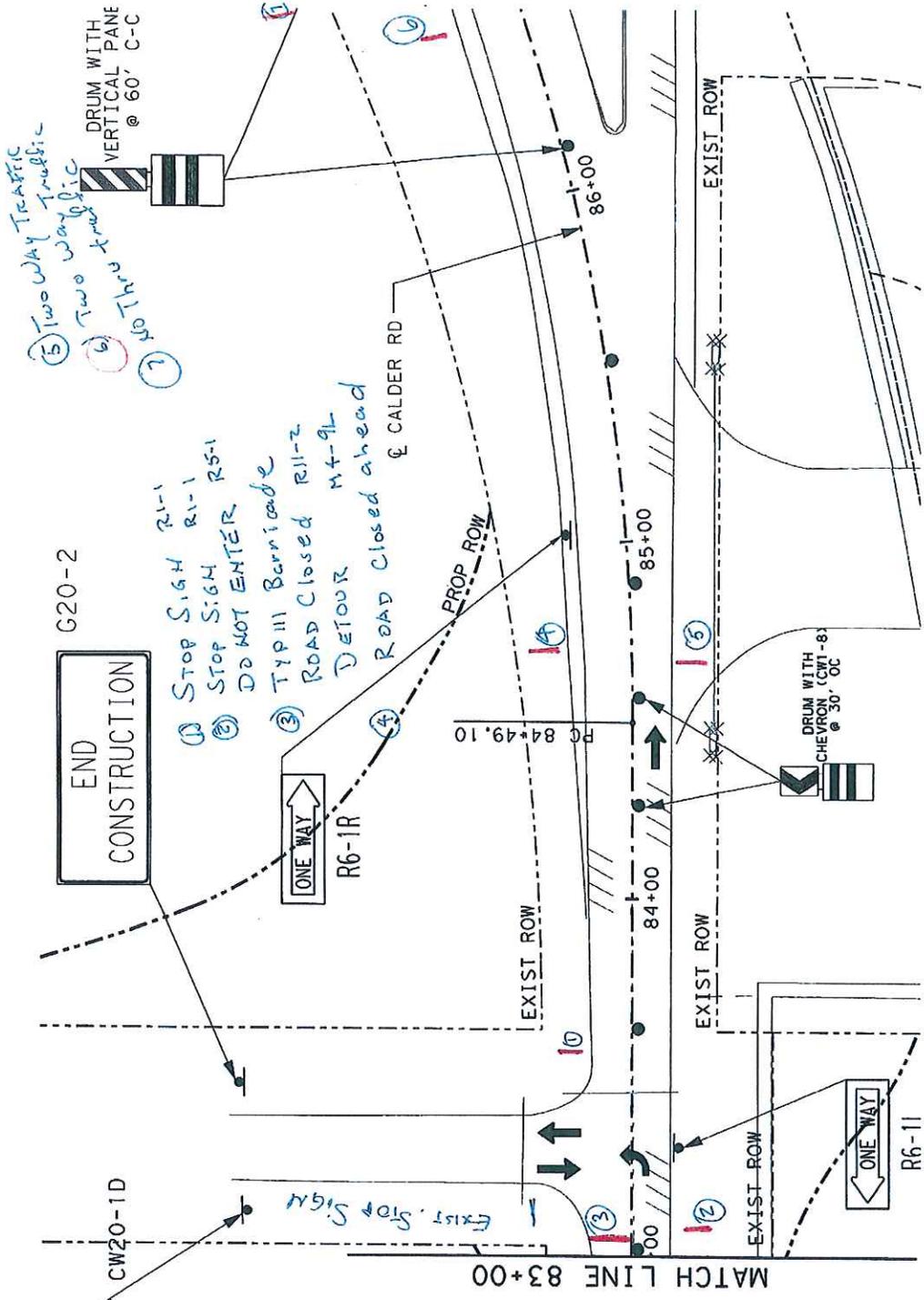
- ** Sales Tax will be added to the total unless a tax exemption certificate is on file
- ** Arrow Boards (\$50 day, \$150 week, \$450 month)
- ** Electronic Message Boards - (\$1,150 month) Does not include delivery.
- ** Truck Mounted Attenuators
- ** Static Message Boards
- ** Removal, covering, and/or relocating of existing traffic control devices
- ** Temporary roll-up signs, flags, and spring loaded stands
- ** Construction fence
- ** Concrete or water barriers
- ** Flagmen, police officers, or pilot car operations
- ** Labor and/or equipment for daily/night/weekend lane closures
- ** Attenuators for any work zone end treatment application
- ** Tubular, or glue down devices and labor to install
- ** Temporary rumble strip for lane closures
- ** Any concrete or asphalt paving, and/or guardrail items for detours
- ** Any temporary pavement markings

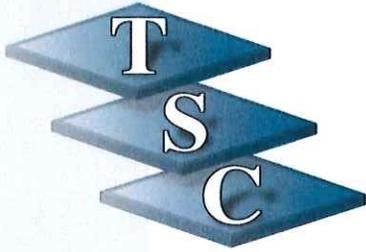
This proposal may be withdrawn if not accepted within 30 days. Proposal prices are pending compliance with credit terms and conditions.
By signing is accepting the above terms and conditions.
Thank you for your consideration.

Accepted By:

Name: _____
Signature: _____
P.O. Number: _____
Job Number: _____

Schedule Phase 1





January 30, 2017

City of League City

Ser. Ltr. 1608-2016-03

ATTN: Mr. Robert Morrison
500 W Walker St.
League City, Texas 77573

Reference:	Project:	Calder Road Improvements (Ervin Rd. to Turner Rd.)
	Owner:	City of League City
	Highway:	Calder Road.
	County:	Galveston

Subject: Pricing for One Way Traffic Control Installation

Dear Mr. Morrison;

Per your request, Texas Sterling Construction Co. ("TSC") is pleased to provide you a proposal for the above referenced project to install Traffic Control devices to maintain one way traffic in accordance to plans sheets 28-30 provided via email on January 23rd, 2017.

The pricing to install and maintain this Traffic Control setup is \$4,272.00 per month, or if you wish to provide the materials, the pricing is \$3,132.00 per month for maintenance only. Please see the summary enclosed.

Should you wish to discuss this, please contact me via email at martin.carranza@strlco.com or by phone at 281-821-9091 (O) or 281-723-2754 (C).

Sincerely,

Martin Carranza, P.E.
Project Manager

TEXAS STERLING CONSTRUCTION CO.

20810 FERNBUSH • HOUSTON, TEXAS 77073 • (281) 821-9091 • FAX (281) 821-2995

Description	Unit Price	Unit	Qty.	Total Hours	OVTM FACTOR	Cost	Cost Summary
TSC Labor							
Foreman	\$43.50	HR	1	20	1	\$870.00	
Labor	\$16.00	HR	2	20	1	\$640.00	
Sub-total Labor						<u>\$1,510.00</u>	
55% Labor Burden						\$830.50	
15% Labor Markup(Direct only)						\$226.50	
Total Labor							\$2,567.00
TSC Material							
						\$0.00	
						<u>\$0.00</u>	
Sub-total Materail						\$0.00	
25% Material Markup						\$0.00	
Total Material							\$0.00
TSC Equipment							
Foreman Truck	\$23.20	HR	1	20		\$464.00	
Sub-total Equipment						<u>\$464.00</u>	
15% Equipment Markup						\$69.60	
Total Equipment							\$533.60
Subcontractor							
Traffic Control Monthly Fee	\$1,075.00	MTH	1			\$1,075.00	
						<u>\$0.00</u>	
Sub-total Subcontractor						\$1,075.00	
5% Subcontractor Markup						\$53.75	
Total Subcontractor							\$1,128.75
1% Bond							\$42.29
	\$4,271.64	MTH	1				\$4,271.64

Calder Rd.

Maintain Existing Traffic Control Setup

Description	Unit Price	Unit	Qty.	Total Hours	OVTM FACTOR	Cost	Cost Summary
TSC Labor							
Foreman	\$43.50	HR	1	20	1	\$870.00	
Labor	\$16.00	HR	2	20	1	\$640.00	
Sub-total Labor						<u>\$1,510.00</u>	
55% Labor Burden						\$830.50	
15% Labor Markup(Direct only)						\$226.50	
Total Labor							\$2,567.00
TSC Material							
						\$0.00	
						<u>\$0.00</u>	
Sub-total Materail						<u>\$0.00</u>	
25% Material Markup						\$0.00	
Total Material							\$0.00
TSC Equipment							
Foreman Truck	\$23.20	HR	1	20		\$464.00	
Sub-total Equipment						<u>\$464.00</u>	
15% Equipment Markup						\$69.60	
Total Equipment							\$533.60
Subcontractor							
						\$0.00	
						<u>\$0.00</u>	
Sub-total Subcontractor						<u>\$0.00</u>	
5% Subcontractor Markup						\$0.00	
Total Subcontractor							<u>\$0.00</u>
1% Bond							\$3,100.60
							\$31.01
	\$3,131.61	MTH	1				\$3,131.61



LoneStar Traffic Safety

6830 Barney Road
Houston, Texas 77092

City: League City
Project: Calder Road
Bid Date: 1/25/2017

Estimator: Shane Butler
Cell Phone: [713-416-9627](tel:713-416-9627)
E-mail: Shane@lonestartraffic.com

To furnish, install and maintain standard construction barricades, signs, drums and warning lights required by the plans and specifications on an equipment lease basis. Equipment lease quantity based on the actual time the equipment is on the project, not the quantity paid by the owner (Barricades, Signs and Traffic Handling). An advance notice is required for project set to allow for utility locates. Lessee agrees that in the event of failure, malfunction, or damage to any of the equipment leased to lessee by lessor under this agreement, lessee will promptly notify lessor, and that time is of the essence in regard to such notice, due to the nature and use made of such property. Prices quoted are valid for thirty days, pending compliance with credit terms and conditions. Any contract entered into as a result of this quotation shall contain the following indemnity language: "Subcontractor shall indemnify and hold harmless the contractor and its officers, agents, and employees from all suits, actions, losses, damages, claims or liability of any character, type or description, including without limiting the generality of the foregoing all expenses of litigation, court costs, and attorney's fees provided such claims, damages and reasonable expenses are attributable to injury or death to any person, or injury to any property, received or sustained by any person or persons or property, arising out of, or occasioned by the negligent acts of subcontractor or its agents or employees, in the execution or performance of this contract. Subcontractor's obligation to indemnify contractor shall extend only to the percentage of negligence of subcontractor in contributing to such claims, demands, liabilities or reasonable expenses."

ITEM	DESCRIPTION	UNIT PRICE	UOM	QUANTITY	EXT PRICE
	LUMP SUM SET	\$1,740.00	LS	1	\$1,740.00
	BARRICADES, SIGNS, & TRAF	\$495.00	MO	3	\$1,485.00
Total =					\$3,225.00

NOTES: Proposal includes up to 44 drums.

- Contractor is responsible for the daily housekeeping to be sure all traffic control is in its proper location. Daily maintenance and movement of devices is excluded.
- Sales tax will be billed accordingly unless a tax exemption certificate is provided.
- Equipment lease quantity is based on the actual time the equipment is on the project, not the quantity paid by the owner (Barricades, Signs, and Traffic Handling and Portable Changeable Message Sign)
- LoneStar Traffic Safety requires a 2 week notice prior to initial move-in.
- Proposal excludes AGC dues and performance bonds.
- Proposals of less than \$10,000 shall not have retainage withheld.
- If contractor requires this project to be additionally insured, add \$500 to the above total.

Bid items do NOT include the following:

- ** Sales Tax will be added to the total unless a tax exemption certificate is on file
- ** Arrow Boards (\$50 day, \$150 week, \$450 month)
- ** Electronic Message Boards - (\$1,150 month) Does not include delivery.
- ** Truck Mounted Attenuators
- ** Static Message Boards
- ** Removal, covering, and/or relocating of existing traffic control devices
- ** Temporary roll-up signs, flags, and spring loaded stands
- ** Construction fence
- ** Concrete or water barriers
- ** Flagmen, police officers, or pilot car operations
- ** Labor and/or equipment for daily/night/weekend lane closures
- ** Attenuators for any work zone end treatment application
- ** Tubular, or glue down devices and labor to install
- ** Temporary rumble strip for lane closures
- ** Any concrete or asphalt paving, and/or guardrail items for detours
- ** Any temporary pavement markings

This proposal may be withdrawn if not accepted within 30 days. Proposal prices are pending compliance with credit terms and conditions.
By signing is accepting the above terms and conditions.
Thank you for your consideration.

Accepted By:

Name: _____
Signature: _____
P.O. Number: _____
Job Number: _____



Rental Rate Blue Book®

On-Highway Light Duty Trucks

Miscellaneous Models

Size Class:

Net Hp 300 HP & Over

Configuration for On-Highway Light Duty Trucks

Power Mode	Diesel	Cab Type	Crew
Axle Configuration	4X4	Ton Rating	1
Horsepower	325.0		

Blue Book Rates

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

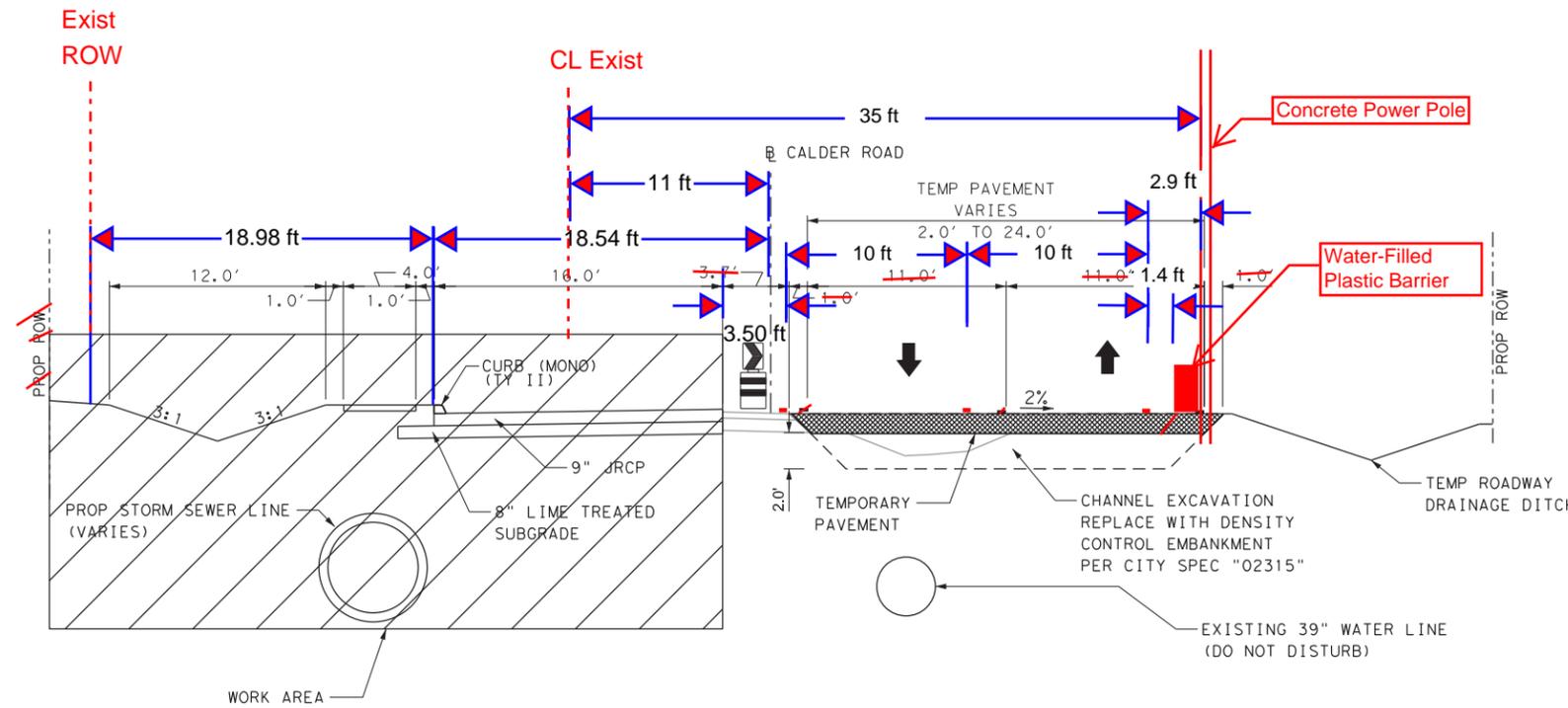
	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$1,105.00	\$310.00	\$78.00	\$12.00	\$17.60	\$23.88
Adjustments						
Region (Texas: 91.4%)	(\$95.03)	(\$26.66)	(\$6.71)	(\$1.03)		
Model Year (2012: 97.6%)	(\$24.24)	(\$6.80)	(\$1.71)	(\$0.26)		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$985.73	\$276.54	\$69.58	\$10.71	\$17.60	\$23.20

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	58%	\$640.90 / mo
Overhaul (ownership)	28%	\$309.40 / mo
CFC (ownership)	4%	\$44.20 / mo
Indirect (ownership)	10%	\$110.50 / mo
Fuel (operating) @ \$3.46	77%	\$13.49 / hr

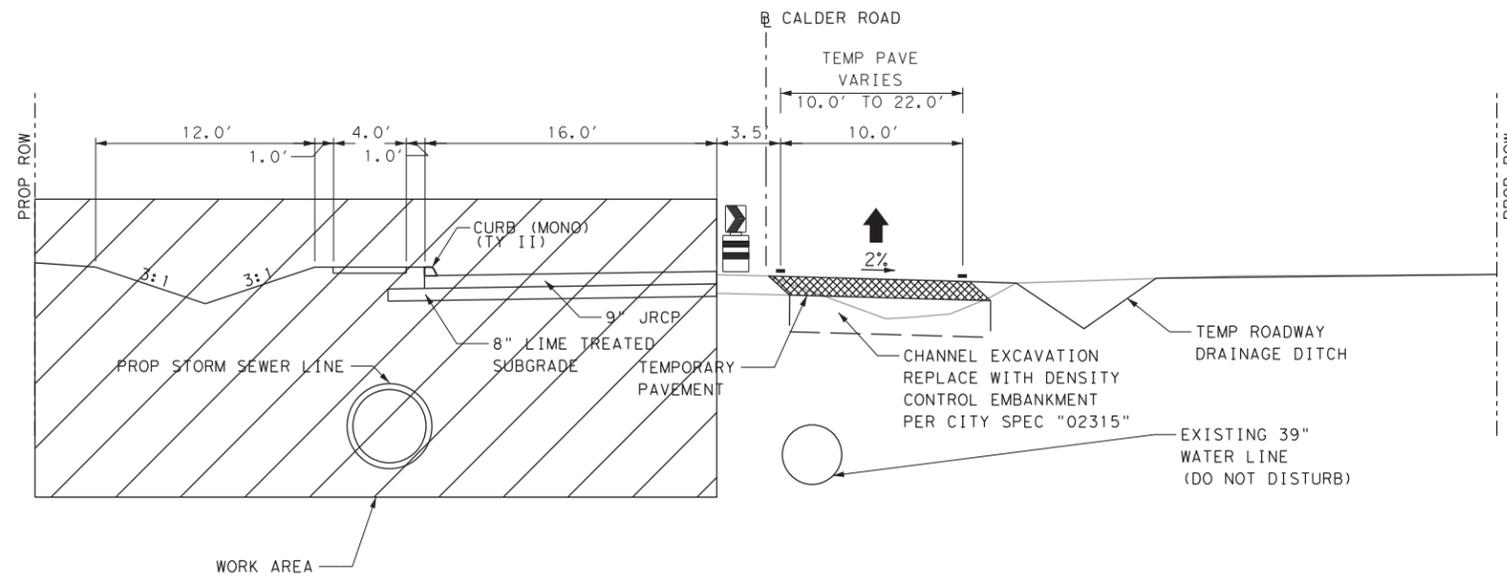
Revised Date: 2nd Half 2015

STATUS: 90% SUBMITTAL
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PHASE 1 TYPICAL SECTION CALDER ROAD
 STA 22+24 TO 40+00

N. T. S.



PHASE 1 TYPICAL SECTION CALDER ROAD
 STA 40+00 TO 56+23.90

N. T. S.

LEGEND:

- ➔ DIRECTION OF TRAFFIC
- ▨ TEMPORARY PAVEMENT (1.125')
- ▭ CONSTRUCTION AREA

TRAFFIC CONTROL SEQUENCING

- PHASE 1:
1. REMOVE EXISTING DRIVEWAY CULVERTS AND CONSTRUCT TEMPORARY ROADSIDE DITCH WITH DRIVEWAYS AND CULVERTS ON EAST SIDE OF CALDER ROAD FROM STA 22+24 TO STA 64+16.22.
 2. EXCAVATE AND REPLACE EMBANKMENT FOR THE CONSTRUCTION OF A TEMPORARY ASPHALT ROADWAY ON EAST SIDE OF CALDER ROAD.
 3. PLACE TEMPORARY SEED FOR EROSION CONTROL.
 4. CONSTRUCT STORM TRUNK LINE WEST SIDE OF CALDER ROAD.
 5. CONSTRUCT WEST DITCH PLACING DRIVEWAY CULVERTS AND SIDE STREET CULVERTS.
 6. REMOVE EXISTING ASPHALT PAVING ON CALDER ROAD.
 7. CONSTRUCT LIME TREATED SUBGRADE.
 8. CONSTRUCT CONCRETE PAVEMENT, SIDE STREETS, AND DRIVEWAYS.
 9. PLACE TEMPORARY SEED FOR EROSION CONTROL.
 10. SWITCH TRAFFIC.

- PHASE 2:
1. PLACE TEMPORARY ASPHALT PAVING ON CALDER ROAD.
 2. REMOVE EXISTING ASPHALT PAVING ON CALDER ROAD.
 3. REMOVE EXISTING CULVERTS AND CONSTRUCT EAST DITCH PLACING PROPOSED DRIVEWAY CULVERTS IN FINAL LOCATION.
 4. CONSTRUCT LIME TREATED SUBGRADE.
 5. CONSTRUCT CONCRETE PAVEMENT AND DRIVEWAYS.
 6. PLACE TEMPORARY SEED EROSION CONTROL.
 7. SWITCH TRAFFIC.

- PHASE 2 STEP 1:
1. REMOVE EXISTING ASPHALT PAVING ON CALDER ROAD FROM STA 38+00 TO STA 40+00.
 2. CONSTRUCT LIME TREATED SUBGRADE.
 3. CONSTRUCT CONCRETE PAVEMENT FROM STA 38+00 TO STA 40+00 AT INTERSECTION OF CALDER ROAD AND BIG LEAGUE DREAMS PARKWAY.
 4. SWITCH TRAFFIC.

- PHASE 3:
1. REMOVE EXISTING CULVERTS AND CONSTRUCT EAST DITCH PLACING PROPOSED CULVERTS IN FINAL LOCATION.
 2. REMOVE TEMPORARY ASPHALT PAVING.
 3. CONSTRUCT LIME TREATED SUBGRADE.
 4. CONSTRUCT CONCRETE PAVEMENT AND DRIVEWAYS.
 5. FINAL SEEDING AFTER CONSTRUCTION IS COMPLETE.

ELIZABETH M. JOHNSON
 101716
 LICENSED PROFESSIONAL ENGINEER
 6/30/2016
 SIGNATURE OF REGISTRANT

DANNENBAUM
 ENGINEERING CORPORATION
 T.B.P.E. FIRM REGISTRATION #392
 3100 WEST ALABAMA HOUSTON, TX 77098 (713) 520-9570



DATE	REVISION	BY

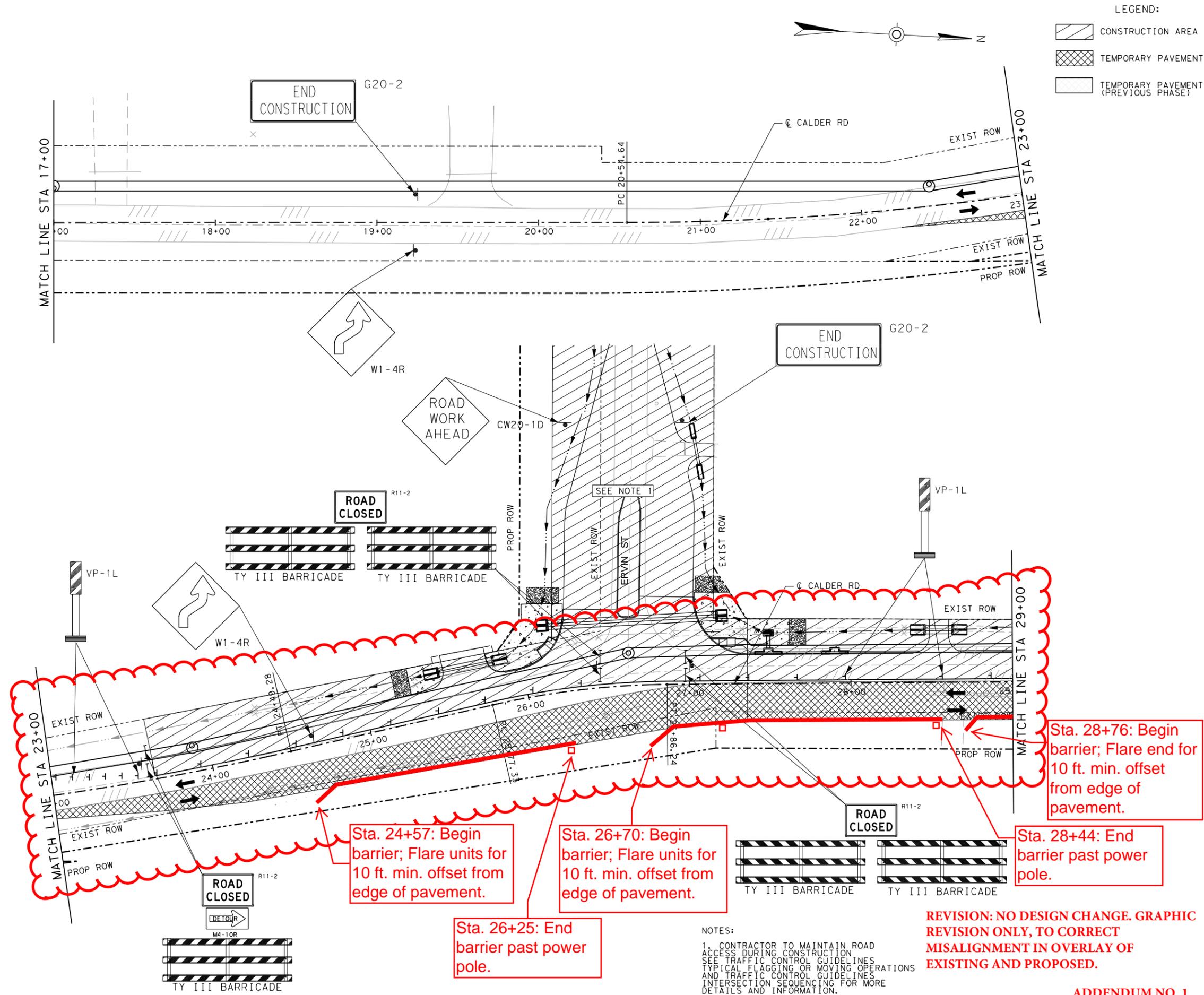
CALDER ROAD FROM ERVIN ROAD TO TURNER ROAD

TRAFFIC CONTROL PLAN
 TYPICAL SECTIONS

SHEET 1 OF 3

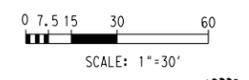
PROJECT NO. 4697-01
 DRAWN: JSR CHECKED: WNE
 SCALE: NTS DATE: 6/30/2016
 SHEET NO. 18

STATUS: 90% SUBMITTAL
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LEGEND:

- CONSTRUCTION AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (PREVIOUS PHASE)



Elizabeth M. Johnson
 SIGNATURE OF REGISTRANT 6/30/2016

DANNENBAUM
 ENGINEERING CORPORATION
 T.B.P.E. FIRM REGISTRATION #392
 3100 WEST ALABAMA, HOUSTON, TX 77098 (713) 520-0570



DATE	REVISION	BY
7/14/16	ADDENDUM 1	EMJ

CALDER ROAD FROM ERVIN ROAD TO TURNER ROAD

TRAFFIC CONTROL PLAN-PHASE 1
 STA 17+00 TO STA 29+00

PROJECT NO. 4697-01
 DRAWN: JSR CHECKED: WNE
 SCALE: 1"=30' DATE: 7/14/2016
 SHEET NO.22

Sta. 24+57: Begin barrier; Flare units for 10 ft. min. offset from edge of pavement.

Sta. 26+70: Begin barrier; Flare units for 10 ft. min. offset from edge of pavement.

Sta. 26+25: End barrier past power pole.

Sta. 28+76: Begin barrier; Flare end for 10 ft. min. offset from edge of pavement.

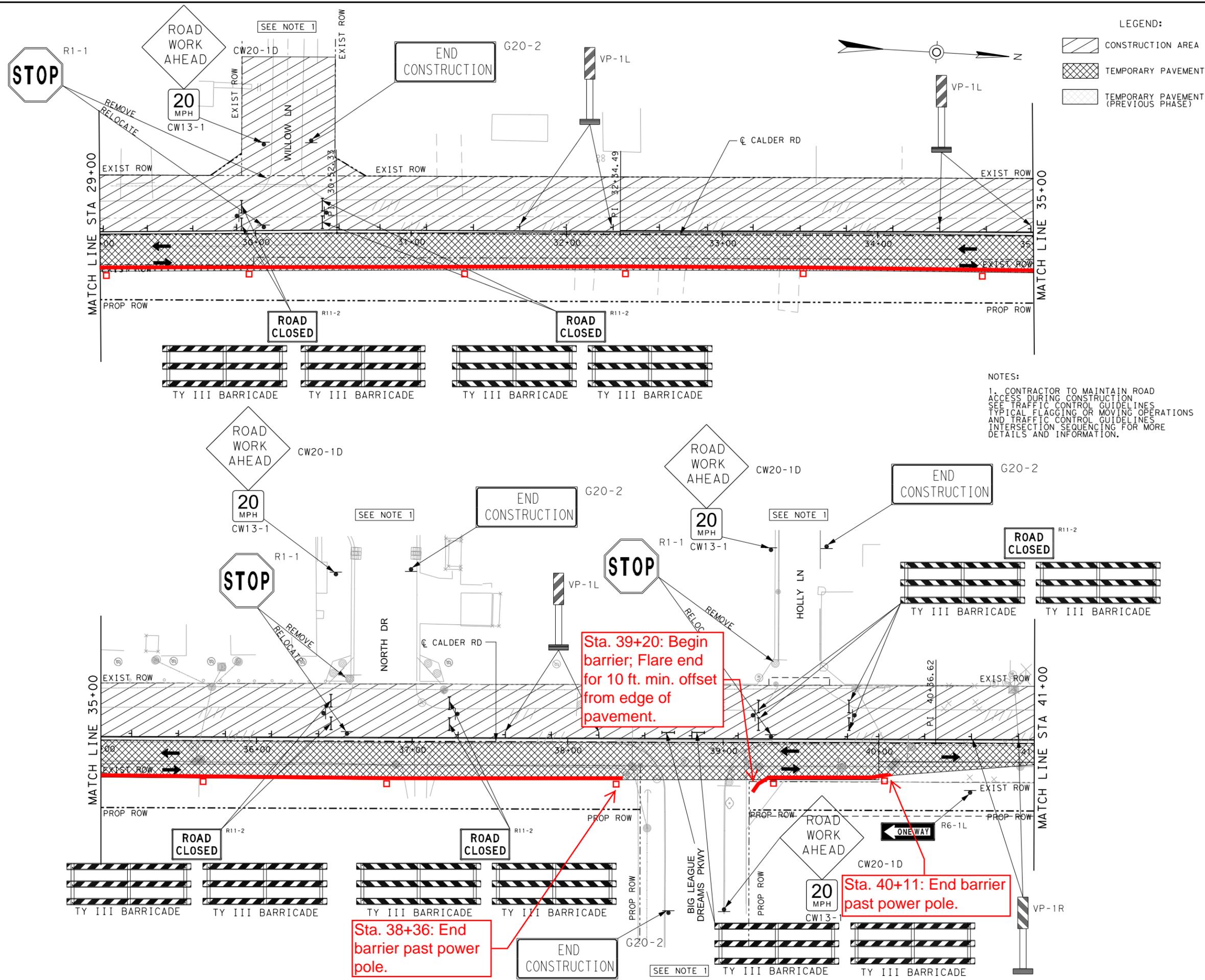
Sta. 28+44: End barrier past power pole.

REVISION: NO DESIGN CHANGE. GRAPHIC REVISION ONLY, TO CORRECT MISALIGNMENT IN OVERLAY OF EXISTING AND PROPOSED.

ADDENDUM NO. 1

NOTES:
 1. CONTRACTOR TO MAINTAIN ROAD ACCESS DURING CONSTRUCTION. SEE TRAFFIC CONTROL GUIDELINES, TYPICAL FLAGGING OR MOVING OPERATIONS AND TRAFFIC CONTROL GUIDELINES INTERSECTION SEQUENCING FOR MORE DETAILS AND INFORMATION.

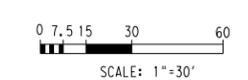
STATUS: 90% SUBMITTAL
 USER: c:\projectwise\dannenbaum\workdir\vermel.wilds\dms07083\CalderTCP03.dgn
 6/30/2016 11:26:07 AM



LEGEND:

- CONSTRUCTION AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (PREVIOUS PHASE)

NOTES:
 1. CONTRACTOR TO MAINTAIN ROAD ACCESS DURING CONSTRUCTION. SEE TRAFFIC CONTROL GUIDELINES, TYPICAL FLAGGING OR MOVING OPERATIONS AND TRAFFIC CONTROL GUIDELINES INTERSECTION SEQUENCING FOR MORE DETAILS AND INFORMATION.



ELIZABETH M. JOHNSON
 LICENSED PROFESSIONAL ENGINEER
 STATE OF TEXAS
 101716
 6/30/2016
 SIGNATURE OF REGISTRANT

DANNENBAUM
 ENGINEERING CORPORATION
 T.B.P.E. FIRM REGISTRATION #392
 3100 WEST ALABAMA, HOUSTON, TX 77098 (713) 520-9570



DATE	REVISION	BY

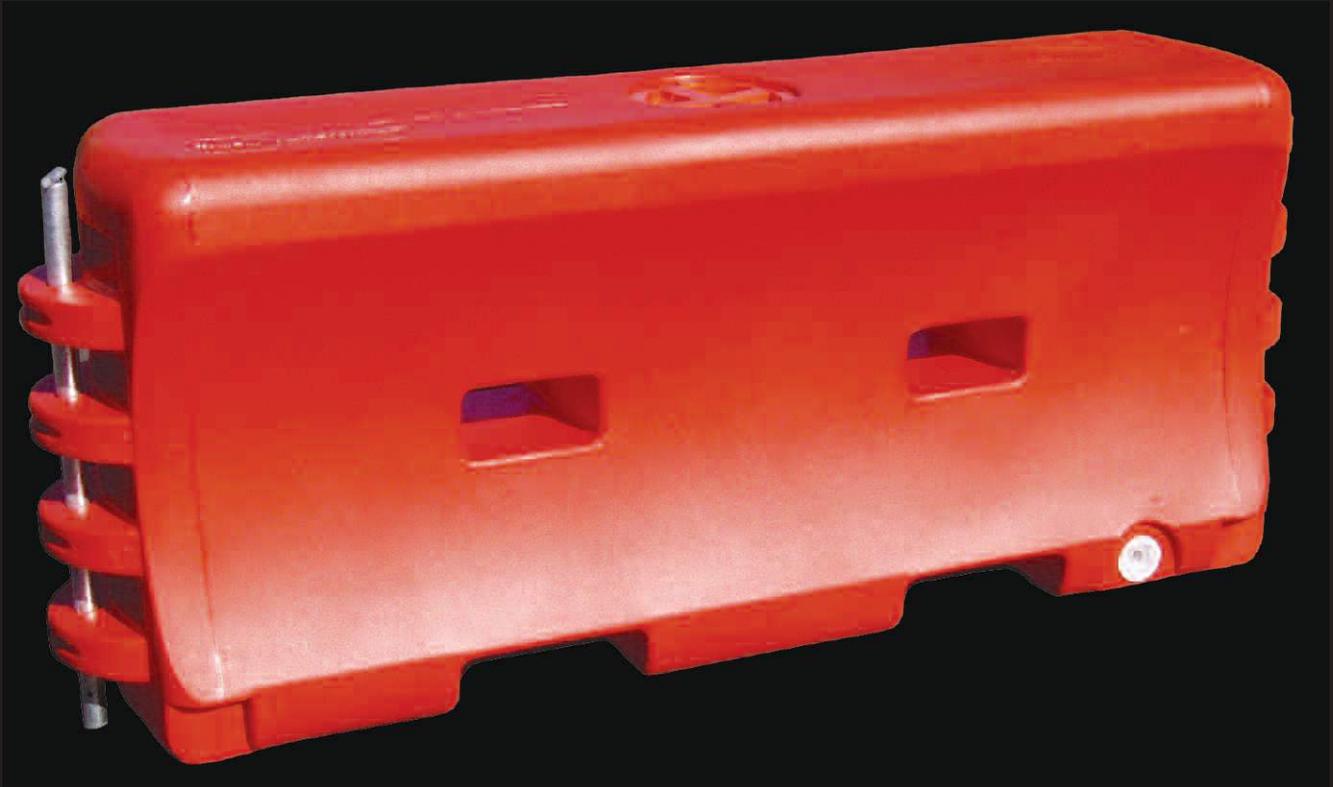
CALDER ROAD FROM ERVIN ROAD TO TURNER ROAD

TRAFFIC CONTROL PLAN-PHASE 1
 STA 29+00 TO STA 41+00

Calder Road
Power Pole Conflicts with Temporary Pavement
Location for temporary barrier protection

Pole Sta. (Right)	Begin Barrier (Sta.)	End Barrier (Sta.)	Barrier Length (Ft.)	No. of Units (Ea. 6-ft unit)	Comments
26+24	24+57	26+25	168.0	28.0	first 3 units are end treatments & flared 10' min.
27+19	26+70	27+24	66.0	13.0	2 units flared at beginning
28+41	27+24	28+44	120.0	20.0	
29+04	28+76	29+06	42.0	9.0	2 units curved along curb return; DW CR Sta. 28+76
29+96	29+06	30+02	96.0	16.0	OK to block DW @ Sta. 29+75 (vacant)
31+39	30+02	31+40	138.0	23.0	OK to block DW @ Sta. 30+25 (vacant)
32+39	31+40	32+42	102.0	17.0	OK to block DW @ Sta. 32+70 (vacant)
33+55	32+42	33+56	114.0	19.0	OK to block DW @ Sta. 33+45 (vacant)
34+72	33+56	34+76	120.0	20.0	No DW
35+59	34+76	35+66	90.0	15.0	No DW
36+88	35+66	36+92	126.0	21.0	OK to block DW @ Sta. 37+05 (vacant)
38+31	36+92	38+36	144.0	24.0	OK to block DW @ Sta. 37+05 (vacant)
39+31		39+33	12.0	2.0	2 units curved along curb return, south of Sta. 39+33
40+08	39+33	40+11	78.0	13.0	
Totals			1416.0	240.0	

TraFFix® **Water-Wall**™



Features

- Durable polyethylene plastic minimizes cracking and breaking
- Molded through forklift holes eliminate bowing when filled with water
- Double wall knuckle design minimizes breakage at hinge points
- Hinge design allows for a 30-degree pivot between sections
- Large 8" fill hole speeds filling process, includes twist-lock plastic cap
- *New* tamper resistant, corner offset drain plug with coarse buttress thread — screws in or out in only 2 1/2 turns
- Includes one steel connection pin that allows sections to be locked together
- Forklift and pallet jack through holes and recesses for easy movement
- Standard colors are orange/red or white — additional colors available upon request
- Will accept plastic or chain-link fence (with extended connection pins)



30-degree pivoting hinge design allows the *TrafFix Water-Wall* to handle curved roads.



Large 8" fill hole speeds filling process, includes twist-lock plastic cap.



The *TrafFix Water-Wall* used as a Longitudinal Barricade along a job site.

**TrafFix Water-Wall
45032 Series**



New tamper resistant, corner offset drain plug with coarse buttress thread — screws in or out in only 2 1/2 turns.



Water-Wall with extended connection pins and plastic fence.



Water-Wall stacks for storage and transportation.



Water-Wall can pivot 30-degrees and be locked together with steel connection pins.

NCHRP 350 Approved As:

- TL-1 Longitudinal Barrier – HSA-10/B-130
- TL-2 Longitudinal Barricade – HSA-10/WZ-224
- TL-3 Barricade – HSA-10/WZ-224

Specifications

Length	6'
Height	32"
Width	18"
Weight (empty)	90 lbs
Weight (filled w/water)	1,110 lbs
Material	Linear Low Density Polyethylene
Color	Orange/Red or White



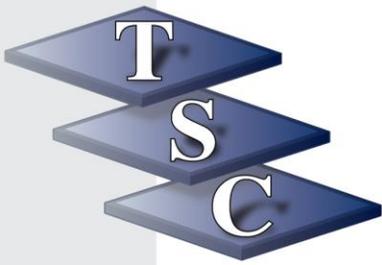
Water-Wall can be easily lifted and placed using a forklift or pallet jack.

© Copyright January, 2007 TrafFix Devices, Inc. TrafFix® and *Water-Wall*™ are trademarks of TrafFix Devices, Inc. U.S. patents pending.



Distributed by:

160 Avenida La Pata, San Clemente, CA 92673
(949) 361-5663 FAX (949) 361-9205
www.traffixdevices.com



June 1, 2017

Dannenbaum Engineering Corporation

Ser. Ltr. 1608-2016-06

ATTN: Ms. Elizabeth Johnson P.E.
3100 West Alabama
Houston, TX 77098

Reference: Project: Calder Road Improvements (Ervin Rd. to Turner Rd.)
 Owner: City of League City
 Highway: Calder Road.
 County: Galveston

Subject: Pricing for Temporary Traffic Barrier Installation

Dear Ms. Johnson;

Per your request, Texas Sterling Construction Co. ("TSC") is pleased to provide you a proposal for the above referenced project to perform the Traffic Barrier Installation as described in RFI 011 response dated May 23, 2017 as follow:

- Install and Maintain 240 units of water-filled plastic barrier model Yodock 2001 MB Water Barrier Class TL-1 (no steel rail kits) for the duration of Traffic Control Phase 1 and Phase 2 (approx. 9 months) - **\$60,402.00**
- Install and Maintain 76 units of 20 ft. long LPCB for the duration of Traffic Control Phase 1 and Phase 2 (approx. 9 months)- **\$42,028.00**

See enclosed summary for backup.

Should you wish to discuss this, please contact me via email at martin.carranza@strlco.com or by phone at 281-821-9091 (O) or 281-723-2754 (C).

Sincerely,

Martin Carranza, P.E.
Project Manager

TEXAS STERLING CONSTRUCTION CO.

20810 FERNBUSH • HOUSTON, TEXAS 77073 • (281) 821-9091 • FAX (281) 821-2995

Description	Unit Price	Unit	Qty.	Total Hours	OVTM FACTOR	Cost	Cost Summary
TSC Labor							
Foreman	\$43.50	HR	1	10	1	\$435.00	
Operator	\$20.00	HR	1	10	1	\$200.00	
Labor	\$16.00	HR	1	10	1	\$160.00	
Sub-total Labor						<u>\$795.00</u>	
55% Labor Burden						\$437.25	
15% Labor Markup(Direct only)						\$119.25	
Total Labor							\$1,351.50
TSC Material							
Water to fill barrier	\$0.02	GAL	23438			\$468.76	
						<u>\$0.00</u>	
Sub-total Materail						<u>\$468.76</u>	
15% Material Markup						\$70.31	
Total Material							\$539.07
TSC Equipment							
Foreman Truck	\$23.20	HR	1	10		\$232.00	
Water Truck	\$55.78	HR	1	10		\$557.80	
						<u>\$0.00</u>	
Sub-total Equipment						<u>\$789.80</u>	
15% Equipment Markup						\$118.47	
Total Equipment							\$908.27
Subcontractor							
Lone Star Barrier Rental (Only includes delivery and pickup)	\$5,332.00	MTH	9			\$47,988.00	
Lone Star Barrier Setup	\$2,165.00	LS	1			\$2,165.00	
Sub-total Subcontractor						<u>\$50,153.00</u>	
Sales Tax						\$4,137.62	
5% Subcontractor Markup						\$2,714.53	
Total Subcontractor							<u>\$57,005.15</u>
							<u>\$59,804.00</u>
1% Bond							\$598.04
	\$251.68	EA	240				\$60,402.04

Description	Unit Price	Unit	Qty.	Total Hours	OVTM FACTOR	Cost	Cost Summary
TSC Labor							
Foreman	\$43.50	HR	1	20	1	\$870.00	
Operator	\$20.00	HR	2	20	1	\$800.00	
Labor	\$16.00	HR	6	20	1	\$1,920.00	
Sub-total Labor						<u>\$3,590.00</u>	
55% Labor Burden						\$1,974.50	
15% Labor Markup(Direct only)						\$538.50	
Total Labor							\$6,103.00
TSC Material							
Low Profile Concrete Barrier Rental	\$115.74	EA	77			\$8,911.98	
Low Profile Reflective Delineators White	\$5.50	EA	77			\$423.50	
Sub-total Material						<u>\$9,335.48</u>	
15% Material Markup						\$1,400.32	
Total Material							\$10,735.80
TSC Equipment							
Foreman Truck	\$23.20	HR	1	20		\$464.00	
Cat 349 Excavator for Loading/Unloading Barrier at Location	\$184.55	HR	1	20		\$3,691.00	
Cat 349 Excavator for Installation/Removal	\$184.55	HR	1	20		\$3,691.00	
Sub-total Equipment						<u>\$7,846.00</u>	
15% Equipment Markup						\$1,176.90	
Total Equipment							\$9,022.90
Subcontractor							
Trucking for LPCB Hauling	\$75.00	HRS	200			\$15,000.00	
						\$0.00	
Sub-total Subcontractor						<u>\$15,000.00</u>	
5% Subcontractor Markup						\$750.00	
Total Subcontractor							\$15,750.00
							\$41,611.70
1% Bond							\$416.12
	\$545.82	EA	77				\$42,027.82

Sta. Start	Sta. Finish	Footages	Units (20')
24+57	26+25	168	9
26+70	27+24	66	4
27+24	28+44	120	6
28+76	29+06	42	3
29+06	30+02	96	5
30+02	31+40	138	7
31+40	32+42	102	6
32+42	33+56	114	6
33+56	34+76	120	6
34+76	35+66	90	5
35+66	36+92	126	7
36+92	38+36	144	8
39+21	39+33	12	1
39+33	40+11	78	4
Total		1416	77



LoneStar Traffic Safety

6830 Barney Road
Houston, TX. 77092
832-831-8295 Office
832-831-8953 Fax

ATTN: Martin Carranza		BID DATE: 5/25/2017		
CONTRACTOR: Texas Sterling Construction		ESTIMATOR: Shane		
LOCATION: Calder Road - League City				
	UNIT	QTY	UNIT PRICE	EXT. PRICE
Traffic Control Rental Equipment Lump Sum	Per Month	9	\$5,332.00	\$47,988.00
Yodock 2001 MB Water Barrier (6' L x 32" H x 18" W)	Barriers	240		
Class TL-1 (includes a one-time delivery and pick up)				
Labor to Unload, Set, and Re-load	Lump Sum	1	\$2,165.00	\$2,165.00
	Per Month	9	\$8,493.00	\$76,437.00
Yodock 2001 MB Water Barrier with Steel Rail Kits	Barriers	240		
Class TL-2 (includes a one-time delivery and pick up)				
Labor to Unload, Set, and Re-load	Lump Sum	1	\$2,475.00	\$2,475.00

NOTES:

Quoted prices are based on a minimum 9 month rental duration.

Pricing does not include water fill or draining of barrier.

Contractor is responsible for the daily housekeeping to be sure all water barrier is in its proper location.

Delivery and Pick Up Fee is based on dropping and picking up equipment, at one location.

Sales tax will be billed accordingly unless a tax exemption certificate is provided.

LoneStar Traffic Safety requires a two week notice prior to initial move-in.

Prior to renting any equipment, Contractor must agree and sign our "Equipment Rental Terms".

This proposal may be withdrawn if not accepted within 30 days, if not signed and returned.

Proposal prices are pending compliance with credit terms and conditions.

By signing is accepting the above terms and conditions.

Thank you for your consideration.

Accepted By: _____

Job # _____

Signature: _____

P.O. # _____



Yodock® 2001 MB



TRINITY
HIGHWAY

Ahead of the Curve™

Yodock® 2001MB

The Yodock® Model 2001MB Barricade is a plastic, water-filled Longitudinal Channelizing Device (LCD) used for traffic & pedestrian channelization, road & street closures and perimeter fencing for vertical construction.

When assembled as an (LCD), the units are attached end-to-end using a plastic coupler and may be deployed either empty or full. Additional accessories are available that allow the 2001MB to be used for temporary sign support, perimeter fencing, and TL-2 longitudinal barrier applications.

Applications

Construction & Temporary Work Zones, Longitudinal Channelizing Device, Perimeter Fencing, Airport Construction & Maintenance, Parking Facilities, Municipal & Public Utilities, Security Checkpoints, Events & Crowd Control, Parks & Recreational Facilities.

MULTI-PURPOSE USE

Features

- Light weight system enables convenient positioning by hand — no heavy equipment required.
- Can be accessorized for longitudinal barrier, perimeter fencing, road closure and temporary sign support applications.
- Stackable for efficient transportation and storage.
- Manufactured from High Density Polyethylene (HDPE).
- Available in custom colors.

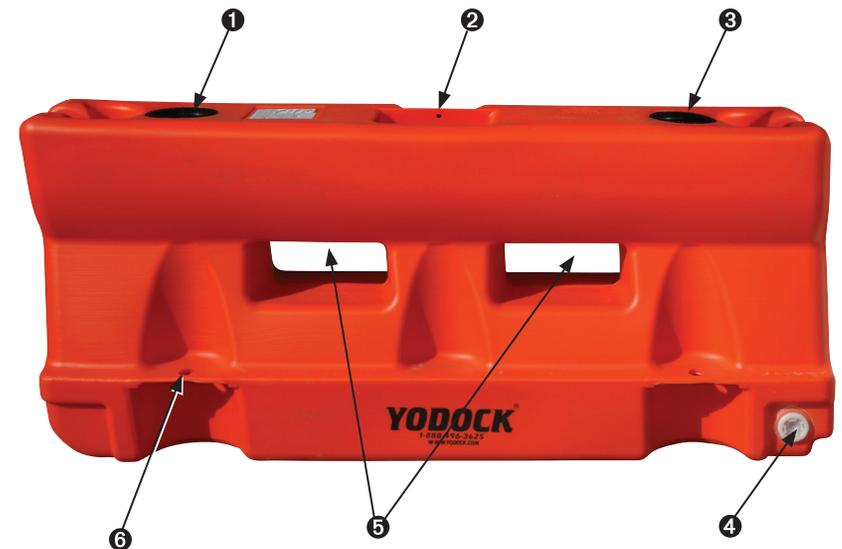
FHWA Acceptances

- Longitudinal Channelizing Device (LCD)
- Work Zone Barricade
- Temporary Sign Support
- Longitudinal Barrier (When used with Steel Rail Kit)

Specifications

- 6' length
- 18" width
- 32" height
- Empty: 85 lbs.
- Full: 900 lbs.

- 1 Interlocking Coupler
- 2 Light Box Recess
- 3 Fill Hole
- 4 Drain Holes
- 5 Forklift Access
- 6 Tie Down Flanges



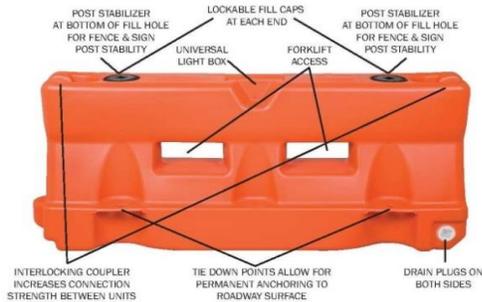
An original  YODOCK® product.

Distributed by:





	THR / Yodock	TRAFFIX
	2001MB	WATER WALL
Height	32"	32"
Length	72"	72"
Width	18"	18"
Weight Empty	85 lbs	80 lbs
Weight Full	900 lbs	1,110 LBS
Wall Thickness	8 mm	6-7 mm



Summary

The **Yodock Wall Company** is the first ever manufacturer and supplier of a Water-Ballasted barricade. With market-leading products, **Trinity Highway Rentals** and the Yodock team have developed the most user-friendly water-filled barriers and barricades available anywhere, for purchase or for rent. With numerous federal and state approvals, the versatile and durable line of Yodock water-filled barriers and barricades is your number one source for job-site protection.

Traffix Devices, Inc. is a 31 year old manufacturer of traffic control devices and crash attenuation products. They manufacture all of their own products.

Approvals

Yodock Model 2001MB

- *Longitudinal Channelizing Barricade (WZ-106, WZ-106A)
- *Type III Barricade (WZ-107)
- *Barricade (WZ-22, WZ-107)
- *TL-2 Barrier Wall (with 350 Rail kit) (9-97)
- *Sign Support (WZ-127)

Traffix Water Wall

- *TL-1 Longitudinal Barrier HSA-10/B-130 test@31.9mph
- *TL-2 Longitudinal Barricade – HSA-10/WZ-224
- *TL-3 Barricade – HSA-10/WZ-224

Product Versatility

Maximizing the utilization of your product inventory is the key to operating a successful rental company. By owning versatile products which have numerous uses, you can ensure that your inventory will spend more time on the jobsite and less time in your yard.

Yodock Model 2001MB



***ADA compliant** Pedestrian Walkway

***Longitudinal Channelizing Barricade**

Federal approval with or without water. Also has DOT approval in many states, as well as Department of Building and other government agencies.

***Temporary Fencing** - can be easily accessorized with fence panel that is superior in quality and usability to all competition. Fencing set-up can also accommodate gates for easy job-site access. Can accommodate up to 2 1/2" posts.

***Type III Barricade and Sign Support** - Has Federal and some state approvals. Can be easily and quickly set-up.

***Barrier Wall** - Can be easily accessorized with 350 Rail Kit for TL-2 Barrier Wall.

Traffix Water Wall



***Not ADA Compliant because of the fork lift ports on bottom of barricade which creates a cane catcher for the seeing impaired.**

*Longitudinal Channelizing Barricade with Federal Approval.

***Temporary Fencing** - 1.25" diameter 6' length steel pins attached to fence panels slide into connecting ends. Customer needs to align six different openings to allow pin to penetrate to bottom of barricade.

***Type III Barricade and Sign Support** - No Federal or State approvals.

***Barrier Wall** - Has no Federal approvals and cannot be accessorized with rails for TL-2 compliance.

Product Design

As with any product, it is only as good as its engineering and design. Trinity Highway Rentals and the Yodock team have spent countless hours on R&D to develop the highest quality and most user-friendly barrier and barricade units on the market.

Portability

The forklift holes are located above the center of gravity for ease of transport.

ADA Compliance

Is ADA compliant for use in temporary pedestrian walkways, based on height and continuous top and bottom edging.

Engineered Design

Has light box recess for attachment of light, fill holes to accept fence panel, and fence post boot stabilizers inside to accept fence. Forklift holes double as means for structural integrity when filled with water to maintain shape.

Tie Down Ability

Can be anchored to work-surface for increased stability.

Corner Piece

Yodock 2001M Corner Piece allows for turns in the run of barricades.

Filling/Draining

Has two fill holes and two drain plugs, making it easy to fill and drain. The ability to drain from both ends allows for safe draining when adjacent to traffic, and means it can be drained even when on a slope.

Appearance

Original blow molded Jersey Barrier shape and design for a clean and visually appealing plastic barrier. Because of superior design, it will maintain its shape when filled with water and withstand collisions and wear and tear better than any other product on the market.

Portability

The forklift holes are located at the bottom of the unit which can allow units to tip and fall over creating a safety issue.

ADA Compliance

Not ADA compliant due to forklift ports on bottom of barricade creating a cane catcher for the visually impaired.

Engineered Design

Does NOT have a light box recess built into the top.

Tie Down Ability

Can not be anchored at all.

Corner Piece

Does not need corner piece as connecting ends have built in pins that turn. Only allows for a 30 degree turn not ideal for job sites needing a sharp 90 degree turn.

Filling/Draining

Has two fill hole and one drain port which can make it dangerous if drain is facing lane of moving traffic. Difficult to completely drain if unit is on a slope.

Appearance

Unit is rotationally molded with concave sides with the top being the same width as the bottom. Each end of the Water Wall has four lugs for a radius of 6 inches.

**Product
Durability and
Lifecycle**

Rental capacity is limited to the durability of the product in question. Maintaining a strong rental fleet is only possible with a quality product that can be repaired and maintained. Trinity Highway Rentals specializes in maintaining a high quality rental inventory, with industry leading stocking levels and turn-around time. Similarly, if the inventory is purchased, it's important the customer get a high quality product that will endure.

Wall Thickness

The Yodock 2001M is manufactured with a minimum wall thickness of 8mm. This is done for several reasons:

***Increased Product Performance** by resisting breakage when impacted and wear & tear on job-sites.

***Increased Structural Integrity** to resist deformation when filled with water or sand.

***Ease of Repair** when it is damaged to increase product lifecycle.

***Increase Lifecycle** - THR has thousands of rental units that are over 10 years old and still work perfectly.

Wall Thickness

Traffix Water Wall has a wall thickness of between 6-7 mm..



Perimeter Security and Fence Panel Set-Up



Yodock 2001MB



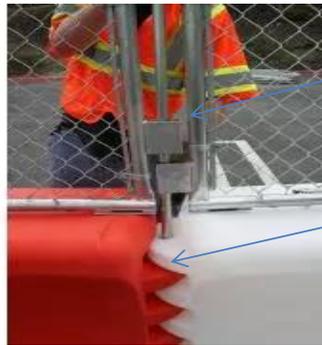
Gate that attaches to Yodock fence panel for job-site access

Corner piece for articulation

Patented Fence Panel with custom privacy screen and logo'ing



Traffic Water Wall



Challenging for customers to line up six points at once to allow 6' pin to travel through.



HBS

HOUSTON BARRICADE & SUPPLY, LLC
 PO Box 504
 Porter, TX 77365

RECEIVED
 OCT 20 2015

Invoice

DATE	INVOICE #
10/13/2015	23608

BILL TO
Texas Sterling Construction 20810 Fernbush Houston, TX 77073

SHIP TO
will call

PO	TERMS	DUE DATE	JOB	TICKET
315485	Net 30	11/12/2015	Jay	14697

QUANTITY	DESCRIPTION	RATE	AMOUNT
150	PCBM-L 16 1 sided H/I White	5.50	825.00T
150	PCBM-L 16 1 sided H/I Yellow	5.50	825.00T
19	Adhesive 795A 10 oz. Tube	15.78	299.82T
<i>Thank You!</i> <i>Jay</i>			

8119 Jensen Drive
Houston, TX 77093

WWW.HBARRICADE.COM

EMAIL	PHONE	FAX
James@hbarricade.com	713-742-8722	281-254-7766

SALES TAX	\$160.86
TOTAL	\$2,110.68
Balance Due	\$2,110.68

SBE CERTIFIED Thank you for your business!

All returns are subject to a 15% restocking fee. Returns will not be accepted after 30 days from purchase.

You are here: [Home](#) > [City Departments & Offices](#) > [Finance Department](#) > [Utility Billing](#) > Current Water, Sewage, & Garbage Rates

Current Water, Sewage, & Garbage Rates

Current Rates

Water and sewer rates are set by ordinance 2015-30, effective 11/1/2015. City bills residential garbage with the monthly water bill. Garbage rates are set by council approved contract with vendor.

Residential

Water - Based on volumetric usage per 1,000 gallons and a base charge of \$7.13

Base Charge	\$ 7.13
1st Tier: 1,000 to 3,000 gallons	\$ 1.50 per 1,000 gallons
2nd Tier: 4,000 to 10,000 gallons	\$ 5.50 per 1,000 gallons
3rd Tier: 11,000 to 25,000 gallons	\$ 7.00 per 1,000 gallons
4th Tier: 26,000 gallons and more	\$ 8.50 per 1,000 gallons

Example: 28,000 gallons

Base Charge	\$ 7.13
1st Tier: 3 x \$1.50	4.50
2nd Tier: 7 x \$5.50	38.50
3rd Tier: 15 x \$7.00	105.00
<u>4th Tier: 3 x \$8.50</u>	<u>25.50</u>
Total: 28	\$180.63

Sewer - Based on volumetric usage per 1,000 gallons of water and a base charge of \$13.88; Sewer cost is capped at 10,000 gallons, \$51.62 for residential accounts

Base Charge	\$ 13.88
1st Tier: 1,000 to 3,000 gallons	\$ 1.80 per 1,000 gallons
2nd Tier: 4,000 to 10,000 gallons	\$ 4.62 per 1,000 gallons
3rd Tier: 11,000 to 25,000 gallons	\$ 4.62 per 1,000 gallons
4th Tier: 26,000 gallons and more	\$ 4.62 per 1,000 gallons

Example: 28,000 gallons

Base Charge	\$ 13.88
1st Tier: 3 x \$1.80	5.40

2nd Tier: 7 x \$4.62	32.34
Total: Cap at 10,000	\$ 51.62

Garbage

- Cost is \$14.26 per residential account.
- The flat rate is subject to change.
- Garbage is billed and paid in advance.
- 1st water bill will reflect 2 or 3 months of billing (cost between \$30 to \$55)
- Final bill (not transfer bill) will reflect a credit of the pro-rated garbage balance

Commercial

Water - Based on volumetric usage per 1,000 gallons and a base charge of \$7.13

Base Charge	\$ 7.13
1st Tier: 1,000 to 3,000 gallons	\$ 3.00 per 1,000 gallons
2nd Tier: 4,000 to 10,000 gallons	\$ 5.90 per 1,000 gallons
3rd Tier: 11,000 to 25,000 gallons	\$ 5.90 per 1,000 gallons
4th Tier: 26,000 gallons and more	\$ 5.90 per 1,000 gallons

Example: 28,000 gallons

Base Charge	\$ 7.13
1st Tier: 3 x \$1.50	9.00
2nd Tier: 7 x \$5.50	41.30
3rd Tier: 15 x \$7.00	88.50
4th Tier: 3 x \$8.50	17.70
Total: 28	\$163.63

Sewer - Based on volumetric usage per 1,000 gallons of water and a base charge of \$13.88

Base Charge	\$ 13.88
1st Tier: 1,000 to 3,000 gallons	\$ 3.00 per 1,000 gallons
2nd Tier: 4,000 to 10,000 gallons	\$ 4.62 per 1,000 gallons

3rd Tier: 11,000 to 25,000 gallons \$ 4.62 per 1,000 gallons
 4th Tier: 26,000 gallons and more \$ 4.62 per 1,000 gallons

Example: 28,000 gallons

Base Charge	\$ 13.88
1st Tier: 3 x \$3.00	9.00
2nd Tier: 7 x \$4.62	32.34
3rd Tier: 15 x \$4.62	69.30
<u>4th Tier: 3 x \$4.62</u>	<u>13.86</u>
Total: 28	\$138.38

Irrigation

Water - Based on volumetric usage per 1,000 gallons and a base charge of \$7.13

Base Charge	\$ 7.13
Each 1,000 gallons	\$ 7.00

Example: 28,000 gallons

Base Charge	\$ 7.13
<u>28 x \$ 7.00</u>	<u>\$ 196.00</u>
Total: 28	\$ 203.13

Rental Rate Blue Book®

September 21, 2016

Caterpillar 349E L

Crawler Mounted Hydraulic Excavators



Size Class:

50.1 - 66.0 MTons

Weight:

109,100 lbs.
Configuration for 349E L

Net Horsepower	404 hp	Power Mode	Diesel
Bucket Capacity - Heaped	4.1 cu yd	Operating Weight	49.4 mt

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	\$16,525.00	\$4,625.00	\$1,155.00	\$175.00	\$97.95	\$191.84
Adjustments						
Region (Texas: 92.7%)	(\$1,206.33)	(\$337.63)	(\$84.32)	(\$12.78)		
Model Year (2015: 99.5%)	(\$76.59)	(\$21.44)	(\$5.35)	(\$0.81)		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$15,242.08	\$4,265.93	\$1,065.33	\$161.41	\$97.95	\$184.55

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	37%	\$6,114.25/mo
Overhaul (ownership)	49%	\$8,097.25/mo
CFC (ownership)	7%	\$1,156.75/mo
Indirect (ownership)	7%	\$1,156.75/mo
Fuel (operating) @ 2.36	43%	\$41.95/hr

Revised Date: 2nd Half 2016

Rental Rate Blue Book®

November 25, 2015

On-Highway Light Duty Trucks

Miscellaneous Models

Size Class:

Net Hp 300 HP & Over

Configuration for On-Highway Light Duty Trucks

Power Mode	Diesel	Cab Type	Crew
Axle Configuration	4X4	Ton Rating	1
Horsepower	325.0		

Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	\$1,105.00	\$310.00	\$78.00	\$12.00	\$17.60	\$23.88
Adjustments						
Region (Texas: 91.4%)	(\$95.03)	(\$26.66)	(\$6.71)	(\$1.03)		
Model Year (2012: 97.6%)	(\$24.24)	(\$6.80)	(\$1.71)	(\$0.26)		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$985.73	\$276.54	\$69.58	\$10.71	\$17.60	\$23.20

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	58%	\$640.90 / mo
Overhaul (ownership)	28%	\$309.40 / mo
CFC (ownership)	4%	\$44.20 / mo
Indirect (ownership)	10%	\$110.50 / mo
Fuel (operating) @ \$3.46	77%	\$13.49 / hr

Revised Date: 2nd Half 2015

Rental Rate Blue Book®

March 18, 2016

On-Highway Water Tankers

Miscellaneous Models

Size Class:

Net Hp 200 HP & Over

Configuration for On-Highway Water Tankers

Horsepower	250	Power Mode	Diesel
Tank Capacity	4,000 gal	Horsepower	250.0

Equipment Notes: Rates include pump and rear spray system.

Blue Book Rates

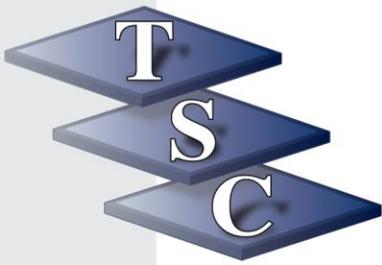
** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$3,760.00	\$1,055.00	\$265.00	\$40.00	\$36.25	\$57.61
Adjustments						
Region (Texas: 91.4%)	(\$323.36)	(\$90.73)	(\$22.79)	(\$3.44)		
Model Year (100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$3,436.64	\$964.27	\$242.21	\$36.56	\$36.25	\$55.78

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	50%	\$1,880.00 / mo
Overhaul (ownership)	29%	\$1,090.40 / mo
CFC (ownership)	9%	\$338.40 / mo
Indirect (ownership)	12%	\$451.20 / mo
Fuel (operating) @ \$3.46	60%	\$21.63 / hr

Revised Date: 2nd Half 2015



June 23, 2017

Dannenbaum Engineering Corporation

Ser. Ltr. 1608-2017-08

ATTN: Mr. Wally Elmasri P.E.
3100 West Alabama
Houston, TX 77098

Reference: Project: Calder Road Improvements (Ervin Rd. to Turner Rd.)
 Owner: City of League City
 Highway: Calder Road.
 County: Galveston

Subject: Proposal for Temporary Detour Traffic Control

Dear Mr. Elmasri;

Per your request, Texas Sterling Construction Co. (“TSC”) is pleased to provide you a proposal for the above referenced project to install the traffic control to construct the temporary detour from Sta. 22+20 to Sta. 82+28. There are three different options available for your consideration as follow:

1. 5 ft. wide asphalt overlay with no work zone length restriction.

- This option consists of installing a 5 ft. wide asphalt overlay (2” thick) over the existing west lane from Sta. 40+00 to Sta. 82+28 for drop-off traffic protection after work hours. Two-way traffic will be maintained from Sta. 22+20 to Sta. 40+00. During work hours, north bound traffic from Sta. 40+00 to 82+28 would be moved entirely to the west lane using flagging operation with no work zone length restriction. The width of the work zone is approximately 11 ft. The operation would be performed from one end of the job to the other end continuously. **5** additional days are needed for this option. Total cost summary is described below:

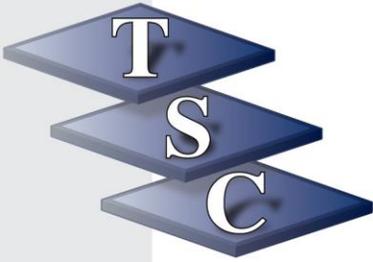
- D-GR HMA TY-D SAC-A PG 76-22 – 285 Ton X \$98/Ton = **\$27,930**
- Traffic Control Setup and Mobilization – 1 Month X \$21,606/Month = **\$21,606**

2. 10 ft. wide asphalt overlay with no work zone length restriction.

- This option consists of installing a 10 ft. wide asphalt overlay (2” thick) over the existing west lane from Sta. 40+00 to Sta. 82+28 to move the north bound traffic entirely to the west lane. No flagging operation would be needed with the exception of Sta. 22+20 to Sta. 40+00 to maintain two-way traffic. The width of the work zone is approximately 11 ft. The operation would be performed from one end of the job to the other end continuously. **7** additional days are needed for this option. Total cost summary is described below:

TEXAS STERLING CONSTRUCTION CO.

20810 FERNBUSH • HOUSTON, TEXAS 77073 • (281) 821-9091 • FAX (281) 821-2995



- D-GR HMA TY-D SAC-A PG 76-22 – 570 Ton X \$98/Ton = **\$55,860**
- Traffic Control Setup – 1 Month X \$4,272/Month = **\$4,272**
- Asphalt Subcontractor Additional Mobilization – 1 Ea X \$4,772/Ea = **\$4,772**

3. 500 ft. long work zone length restriction.

- This option consists of restricting a work zone to 500 ft. long with flagging operation from Sta. 22+20 to Sta. 82+28 moving traffic during work hours to the west lane within the work zone. With this option, it would cause a production impact for TSC due to the inefficiencies of working in a limited space at a time and not continuously. There would also be minimum asphalt tonnage constraints for our subcontractor installing the black base and asphalt surface. **15** additional days are needed for this option. Total cost summary is described below:

- Traffic Control Setup – 2 Month X \$16,833/Month = **\$33,666**
- Production Impact – 1 LS X \$64,667 = **\$64,667**
- Minimum Quantities Installed Asphalt Sub – 9 Ea X \$2,500/Ea = **\$22,500**

See enclosed summary for backup.

Should you wish to discuss this, please contact me via email at martin.carranza@strlco.com or by phone at 281-821-9091 (O) or 281-723-2754 (C).

Sincerely,

Martin Carranza, P.E.
Project Manager

Description	Unit Price	Unit	Qty.	Total Hours	OVTM FACTOR	Cost	Cost Summary
TSC Labor							
Foreman	\$43.50	HR	1	100	1.1	\$4,785.00	
Operator	\$20.00	HR	2	100	1.1	\$4,400.00	
Leadman	\$18.00	HR	1	100	1.1	\$1,980.00	
Labor	\$16.00	HR	2	100	1.1	\$3,520.00	
Sub-total Labor						\$14,685.00	
55% Labor Burden						\$8,076.75	
15% Labor Markup(Direct only)						\$2,202.75	
Total Labor							\$24,964.50
TSC Material							
						\$0.00	
						\$0.00	
Sub-total Materail						\$0.00	
15% Material Markup						\$0.00	
Total Material							\$0.00
TSC Equipment							
Foreman Truck	\$23.20	HR	1	100		\$2,320.00	
D5 Dozer	\$60.56	HR	1	50		\$3,028.00	
84" Pad Foot Compactor	\$64.97	HR	1	50		\$3,248.50	
84" Smooth Compactor	\$57.36	HR	1	50		\$2,868.00	
Lime Reclaimer/Stabilizer	\$192.01	HR	1	50		\$9,600.50	
Water Truck	\$55.78	HR	1	50		\$2,789.00	
Motorgrader	\$76.15	HR	1	50		\$3,807.50	
Cat 336 Excavator	\$126.12	HR	1	50		\$6,306.00	
Sub-total Equipment						\$33,967.50	
15% Equipment Markup						\$5,095.13	
Total Equipment							\$39,062.63
Subcontractor							
						\$0.00	
						\$0.00	
Sub-total Subcontractor						\$0.00	
5% Subcontractor Markup						\$0.00	
Total Subcontractor							\$0.00
1% Bond							\$64,027.13
							\$640.27
	\$64,667.40	LS	1				\$64,667.40

Description	Unit Price	Unit	Qty.	Total Hours	OVTM FACTOR	Cost	Cost Summary
TSC Labor							
Foreman	\$43.50	HR	1	20	1	\$870.00	
Labor	\$16.00	HR	2	20	1	\$640.00	
Flagger	\$16.00	HR	2	200	1.1	\$7,040.00	
Sub-total Labor						\$8,550.00	
55% Labor Burden						\$4,702.50	
15% Labor Markup(Direct only)						\$1,282.50	
Total Labor							\$14,535.00
TSC Material							
						\$0.00	
						\$0.00	
Sub-total Materail						\$0.00	
25% Material Markup						\$0.00	
Total Material							\$0.00
TSC Equipment							
Foreman Truck	\$23.20	HR	1	20		\$464.00	
Sub-total Equipment						\$464.00	
15% Equipment Markup						\$69.60	
Total Equipment							\$533.60
Subcontractor							
Traffic Control Monthly Fee	\$1,522.07	MTH	1			\$1,522.07	
Additional Mobilization for Asphalt Sub	\$4,500.00	EA	1			\$4,500.00	
Sub-total Subcontractor						\$6,022.07	
5% Subcontractor Markup						\$301.10	
Total Subcontractor							\$6,323.17
1% Bond							\$213.92
	\$21,605.69	MTH	1				\$21,605.69

Description	Unit Price	Unit	Qty.	Total Hours	OVTM FACTOR	Cost	Cost Summary
TSC Labor							
Foreman	\$43.50	HR	1	20	1	\$870.00	
Labor	\$16.00	HR	2	20	1	\$640.00	
Flagger	\$16.00	HR	2	50	1.1	\$1,760.00	
Sub-total Labor						<u>\$3,270.00</u>	
55% Labor Burden						\$1,798.50	
15% Labor Markup(Direct only)						\$490.50	
Total Labor							\$5,559.00
TSC Material							
						\$0.00	
						<u>\$0.00</u>	
Sub-total Materail						\$0.00	
25% Material Markup						\$0.00	
Total Material							\$0.00
TSC Equipment							
Foreman Truck	\$23.20	HR	1	20		\$464.00	
Sub-total Equipment						<u>\$464.00</u>	
15% Equipment Markup						\$69.60	
Total Equipment							\$533.60
Subcontractor							
Traffic Control Monthly Fee	\$1,522.07	MTH	1			\$1,522.07	
Additional Mobilization for Asphalt Sub	\$4,500.00	EA	1			\$4,500.00	
Sub-total Subcontractor						<u>\$6,022.07</u>	
5% Subcontractor Markup						\$301.10	
Total Subcontractor							\$6,323.17
							<u>\$12,415.77</u>
1% Bond							\$124.16
							<u>\$12,539.93</u>
	\$12,539.93	MTH	1				\$12,539.93

Description	Unit Price	Unit	Qty.	Total Hours	OVTM FACTOR	Cost	Cost Summary
TSC Labor							
Foreman	\$43.50	HR	1	20	1	\$870.00	
Labor	\$16.00	HR	2	20	1	\$640.00	
Flagger	\$16.00	HR	2	200	1.1	\$7,040.00	
Sub-total Labor						<u>\$8,550.00</u>	
55% Labor Burden						\$4,702.50	
15% Labor Markup(Direct only)						\$1,282.50	
Total Labor							\$14,535.00
TSC Material							
						\$0.00	
						<u>\$0.00</u>	
Sub-total Materail						\$0.00	
25% Material Markup						\$0.00	
Total Material							\$0.00
TSC Equipment							
Foreman Truck	\$23.20	HR	1	20		\$464.00	
Sub-total Equipment						<u>\$464.00</u>	
15% Equipment Markup						\$69.60	
Total Equipment							\$533.60
Subcontractor							
Traffic Control Monthly Fee	\$1,522.07	MTH	1			\$1,522.07	
Sub-total Subcontractor						<u>\$1,522.07</u>	
5% Subcontractor Markup						\$76.10	
Total Subcontractor							\$1,598.17
1% Bond							\$166.67
	\$16,833.44	MTH	1				\$16,833.44

AAA

Asphalt Paving, Inc.

10526 Tanner Road, Houston, Texas 77041

PROPOSAL
AAA Bid No. 1077

August 1, 2016

Texas Sterling Construction
20810 Fernbush
Houston, TX 77073

Phone: 281.951.3592 ext. 3592

ATTN: Reid Broder
Reid.Broder@strlco.com

BID ESTIMATOR: Mike Hoffman

We at AAA Asphalt Paving, Inc. are pleased to submit our Proposal to furnish all labor and materials to complete the services as requested for the project as described below.

LOCATION: Calder Rd

SCOPE OF WORK:

Please see attached breakdown.

Total Bid Price - \$698,287.00

All additional mobilizations will \$4,500.00 ea

Excludes: Permits, bonds, testing, fees, traffic control, striping and anything else not specifically stated

08/01/2016 15:47
 2016-1077 Calder Road
 *** Michael Hoffman

<u>Bid Item</u>	<u>Description</u>	<u>Status - Rnd</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Bid Total</u>
10	Mobilization	U	1.000	EA	4,500.00	4,500.00
20	ASPHALT STABILIZED BASE	U	1,478.000	TN	87.00	128,586.00
30	D-GR HMA (MEIH) TY-D SAC A PG 70-22	U	739.000	TN	94.00	69,466.00
40	Asphalt Surface Rehab 0'-4"	U	3,356.000	SY	25.00	83,900.00
50	Cut & Restore Pavement	U	535.000	SY	145.00	77,575.00
60	D-GR HMA TY-D SAC A PG 76-22	U	285.000	TN	98.00	27,930.00
70	D-GR HMA TY-B SAC B PG 76-22	U	1,425.000	TN	88.00	125,400.00
80	REM STAB BASE & ASPH ALL DEPTH	U	18,099.999	SY	10.00	180,999.99

Bid Total → \$698,287.00

AAA

Asphalt Paving, Inc.

10526 Tanner Road, Houston, Texas 77041

PROPOSAL

AAA Bid No. 06222017-Rayferd

June 22, 2017

Texas Sterling Construction
20810 Fernbush Lane
Houston, TX 77073

Phone: 281-821-9091

ATTN: Martin Carranza
Martin.carranza@strlco.com

BID ESTIMATOR: Rayferd Colburn

We at AAA Asphalt Paving, Inc. are pleased to submit our Proposal to furnish all labor and materials to complete the services as requested for the project as described below.

LOCATION: Calder Rd

SCOPE OF WORK:

Pricing for areas where there is less than 200 tons available in a day

Total Bid Price - \$2,500.00 per each restricted area

Excludes: Traffic control, bonds, fees, testing, striping and anything not specifically stated above.

PAYMENT IS DUE BY THE 15TH OF EACH MONTH

AAA shall retain the right to remove any materials for which payment is at least thirty (30) days past due. Past due accounts shall incur a two percent (2%) per month interest charge on the outstanding balance.

THIS BID IS VALID FOR THIRTY (30) DAYS

ADDITIONAL TERMS OF THIS PROPOSAL / AGREEMENT

ALL WORK PERFORMED BY AAA IS GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF COMPLETION. EXCLUDED IN THIS GUARANTEE ARE ANY DEFECTS IN THE ASPHALT WHEN CAUSED BY BASE FAILURES, INCLUDING AREAS OF WATER "PONDING", WHEN THE BASE IS EXISTING, BASE IS INSTALLED BY OTHERS, SUB-GRADE HAS BEEN PREPARED BY OTHERS, OR WHEN OVERLAID ASPHALT IS TIED INTO PREEXISTING CONDITIONS.

AAA WILL COORDINATE WITH PROPERTY OWNER OR MANAGEMENT TO MINIMIZE ANY INCONVENIENCE TO ALL PARTIES. OWNER/MANAGEMENT TO BE RESPONSIBLE FOR RELOCATION, REMOVAL OR REROUTING OF ALL VEHICLES PRIOR TO START UP OF CONSTRUCTION. ALL TOWING TO BE AT OWNER/MANAGEMENT REQUEST AND OWNER/MANAGEMENT OR VEHICLE OWNER EXPENSE.

AAA WILL NOT BE RESPONSIBLE FOR ANY DAMAGES, E.G.: GRAFFITI, HAND OR FOOT PRINTS, TIRE MARKINGS, ETC., TO FRESHLY FINISHED CONCRETE, ASPHALT OR SEALANT.

AAA WILL NOT BE RESPONSIBLE FOR UNDERGROUND UTILITY SERVICE, UNLESS "LOCATED AND MARKED" BY OWNER PRIOR TO CONSTRUCTION COMMENCEMENT, INCLUDING BUT NOT LIMITED TO SECURITY GATE LOOPS AND UNDERGROUND WIRING, TELEPHONE, CABLE, ELECTRICAL, GAS, SPRINKLER SYSTEMS, ETC.

- ALL MATERIAL IS GUARANTEED TO BE AS SPECIFIED. BID IS BASED UPON BEST QUOTE FROM SUPPLIERS AND IS CONTINGENT UPON AVAILABILITY FROM THAT PARTICULAR SUPPLIER. INDUSTRY SHORTAGES OR MAJOR CONSTRUCTION COMPONENTS MAY RESULT IN RENEGOTIATION OF PROPOSAL/AGREEMENT.
- ALL WORK PERFORMED BY AAA IS TO BE COMPLETED IN A TIMELY MANNER.
- ANY ALTERATION OR DEVIATION FROM THE ABOVE SPECIFICATIONS INVOLVING EXTRA COSTS WILL BE PERFORMED ONLY ON EXECUTED, WRITTEN ORDERS, AND WILL BE CHARGED OVER AND ABOVE THE ORIGINAL BID ESTIMATE/ORDER.
- AAA IS INSURED FOR \$2,000,000 GENERAL LIABILITY, \$1,000,000 AUTO, UMBRELLA AND WORKER'S COMPENSATION WITH AN "A" RATED CARRIER AND WILL PROVIDE CERTIFICATE OF INSURANCE UPON REQUEST.

We thank you for the opportunity to bid your request and look forward to doing business with you! Should you have any questions regarding this proposal/agreement, please call the bid Estimator.

Respectfully Submitted,
AAA Asphalt Paving, Inc.

ACCEPTED:

Michael D. Hoffman
Estimator

Authorized Signature for Customer Name

June 22, 2017
Date

Typed / Printed Name & Title

Date

SIGNED CONTRACTURAL PROPOSAL/AGREEMENT MUST BE RETURNED
PRIOR TO STARTUP OF PROPOSED AND ACCEPTED SCOPE OF WORK
AAA Proposal Bid No. 06222017-Rayferd



LoneStar Traffic Safety

6830 Barney Road
Houston, Texas 77092

City: League City
Project: Calder Road
Bid Date: 1/25/2017

Estimator: Shane Butler
Cell Phone: [713-416-9627](tel:713-416-9627)
E-mail: Shane@lonestartraffic.com

To furnish, install and maintain standard construction barricades, signs, drums and warning lights required by the plans and specifications on an equipment lease basis. Equipment lease quantity based on the actual time the equipment is on the project, not the quantity paid by the owner (Barricades, Signs and Traffic Handling). An advance notice is required for project set to allow for utility locates. Lessee agrees that in the event of failure, malfunction, or damage to any of the equipment leased to lessee by lessor under this agreement, lessee will promptly notify lessor, and that time is of the essence in regard to such notice, due to the nature and use made of such property. Prices quoted are valid for thirty days, pending compliance with credit terms and conditions. Any contract entered into as a result of this quotation shall contain the following indemnity language: "**Subcontractor shall indemnify and hold harmless the contractor and its officers, agents, and employees from all suits, actions, losses, damages, claims or liability of any character, type or description, including without limiting the generality of the foregoing all expenses of litigation, court costs, and attorney's fees provided such claims, damages and reasonable expenses are attributable to injury or death to any person, or injury to any property, received or sustained by any person or persons or property, arising out of, or occasioned by the negligent acts of subcontractor or its agents or employees, in the execution or performance of this contract. Subcontractor's obligation to indemnify contractor shall extend only to the percentage of negligence of subcontractor in contributing to such claims, demands, liabilities or reasonable expenses.**"

ITEM	DESCRIPTION	UNIT PRICE	UOM	QUANTITY	EXT PRICE
	LUMP SUM SET	\$1,740.00	LS	1	\$1,740.00
	BARRICADES, SIGNS, & TRAF	\$495.00	MO	3	\$1,485.00
				Total =	\$3,225.00

NOTES: Proposal includes up to 44 drums.

- 1) Contractor is responsible for the daily housekeeping to be sure all traffic control is in its proper location. Daily maintenance and movement of devices is excluded.
- 2) Sales tax will be billed accordingly unless a tax exemption certificate is provided.
- 3) Equipment lease quantity is based on the actual time the equipment is on the project, not the quantity paid by the owner (Barricades, Signs, and Traffic Handling and Portable Changeable Message Sign)
- 4) LoneStar Traffic Safety requires a 2 week notice prior to initial move-in.
- 5) Proposal excludes AGC dues and performance bonds.
- 6) Proposals of less than \$10,000 shall not have retainage withheld.
- 7) If contractor requires this project to be additionally insured, add \$500 to the above total.

Bid items do NOT include the following:

- ** Sales Tax will be added to the total unless a tax exemption certificate is on file
- ** Arrow Boards (\$50 day, \$150 week, \$450 month)
- ** Electronic Message Boards - (\$1,150 month) Does not include delivery.
- ** Truck Mounted Attenuators
- ** Static Message Boards
- ** Removal, covering, and/or relocating of existing traffic control devices
- ** Temporary roll-up signs, flags, and spring loaded stands
- ** Construction fence
- ** Concrete or water barriers
- ** Flagmen, police officers, or pilot car operations
- ** Labor and/or equipment for daily/night/weekend lane closures
- ** Attenuators for any work zone end treatment application
- ** Tubular, or glue down devices and labor to install
- ** Temporary rumble strip for lane closures
- ** Any concrete or asphalt paving, and/or guardrail items for detours
- ** Any temporary pavement markings

This proposal may be withdrawn if not accepted within 30 days. Proposal prices are pending compliance with credit terms and conditions.

By signing is accepting the above terms and conditions.
Thank you for your consideration.

Accepted By:

Name: _____
Signature: _____
P.O. Number: _____
Job Number: _____



LoneStar Traffic Safety

6830 Barney Road
Houston, Texas 77092

City: League City
Project: Calder Road
Bid Date: 4/26/2017 Revised

Estimator: Shane Butler
Cell Phone: [713-416-9627](tel:713-416-9627)
E-mail: Shane@lonestartraffic.com

To furnish, install and maintain standard construction barricades, signs, drums and warning lights required by the plans and specifications on an equipment lease basis. Equipment lease quantity based on the actual time the equipment is on the project, not the quantity paid by the owner (Barricades, Signs and Traffic Handling). An advance notice is required for project set to allow for utility locates. Lessee agrees that in the event of failure, malfunction, or damage to any of the equipment leased to lessee by lessor under this agreement, lessee will promptly notify lessor, and that time is of the essence in regard to such notice, due to the nature and use made of such property. Prices quoted are valid for thirty days, pending compliance with credit terms and conditions. Any contract entered into as a result of this quotation shall contain the following indemnity language: "**Subcontractor shall indemnify and hold harmless the contractor and its officers, agents, and employees from all suits, actions, losses, damages, claims or liability of any character, type or description, including without limiting the generality of the foregoing all expenses of litigation, court costs, and attorney's fees provided such claims, damages and reasonable expenses are attributable to injury or death to any person, or injury to any property, received or sustained by any person or persons or property, arising out of, or occasioned by the negligent acts of subcontractor or its agents or employees, in the execution or performance of this contract. Subcontractor's obligation to indemnify contractor shall extend only to the percentage of negligence of subcontractor in contributing to such claims, demands, liabilities or reasonable expenses.**"

ITEM	DESCRIPTION	UNIT PRICE	UOM	QUANTITY	EXT PRICE
	LUMP SUM SET	\$550.00	LS	1	\$550.00
	BARRICADES, SIGNS, & TRAF	\$138.00	MO	1	\$138.00
Total =					\$688.00

NOTES: Proposal is based on the equipment that was written on existing tcp and received on April 25th, 2017.

- 1) Contractor is responsible for the daily housekeeping to be sure all traffic control is in its proper location. Daily maintenance and movement of devices is excluded.
- 2) Sales tax will be billed accordingly unless a tax exemption certificate is provided.
- 3) Equipment lease quantity is based on the actual time the equipment is on the project, not the quantity paid by the owner (Barricades, Signs, and Traffic Handling and Portable Changeable Message Sign)
- 4) LoneStar Traffic Safety requires a 2 week notice prior to initial move-in.
- 5) Proposal excludes AGC dues and performance bonds.
- 6) Proposals of less than \$10,000 shall not have retainage withheld.
- 7) If contractor requires this project to be additionally insured, add \$500 to the above total.

Bid items do NOT include the following:

- ** Sales Tax will be added to the total unless a tax exemption certificate is on file
- ** Arrow Boards (\$50 day, \$150 week, \$450 month)
- ** Electronic Message Boards - (\$1,150 month) Does not include delivery.
- ** Truck Mounted Attenuators
- ** Static Message Boards
- ** Removal, covering, and/or relocating of existing traffic control devices
- ** Temporary roll-up signs, flags, and spring loaded stands
- ** Construction fence
- ** Concrete or water barriers
- ** Flagmen, police officers, or pilot car operations
- ** Labor and/or equipment for daily/night/weekend lane closures
- ** Attenuators for any work zone end treatment application
- ** Tubular, or glue down devices and labor to install
- ** Temporary rumble strip for lane closures
- ** Any concrete or asphalt paving, and/or guardrail items for detours
- ** Any temporary pavement markings

This proposal may be withdrawn if not accepted within 30 days. Proposal prices are pending compliance with credit terms and conditions.

By signing is accepting the above terms and conditions.
Thank you for your consideration.

Accepted By:

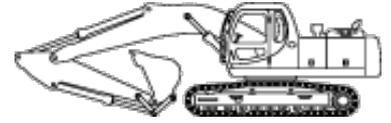
Name: _____
Signature: _____
P.O. Number: _____
Job Number: _____

Rental Rate Blue Book®

June 21, 2017

Caterpillar 336D L (disc. 2014)

Crawler Mounted Hydraulic Excavators



Size Class:

33.1 - 40.0 MTons

Weight:

80,464 lbs.
Configuration for 336D L (disc. 2014)

 Bucket Capacity - Heaped
 Net Horsepower

1.56 cu yd
268 hp

 Operating Weight
 Power Mode

36.5 mt
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	\$12,065.00	\$3,380.00	\$845.00	\$125.00	\$64.70	\$133.25
Adjustments						
Region (Texas: 90.6%)	(\$1,134.11)	(\$317.72)	(\$79.43)	(\$11.75)		
Model Year (2012: 98.9%)	(\$120.24)	(\$33.69)	(\$8.42)	(\$1.25)		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$10,810.65	\$3,028.59	\$757.15	\$112.00	\$64.70	\$126.12

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	37%	\$4,464.05/mo
Overhaul (ownership)	49%	\$5,911.85/mo
CFC (ownership)	7%	\$844.55/mo
Indirect (ownership)	7%	\$844.55/mo
Fuel (operating) @ 2.36	41%	\$26.56/hr

Revised Date: 2nd Half 2016

The equipment represented in this report has been exclusively prepared for ADOLPH PAVLICEK (adolph.pavlicek@strlco.com)

Rental Rate Blue Book®

June 21, 2017

Bomag MPH454S (disc. 2006)

Reclaimers/Stabilizers

Size Class:
401 - 500 HP
 Weight:
46,300 lbs.



Configuration for MPH454S (disc. 2006)

Rotor Diameter	48 in	Net Horsepower	450 hp
Power Mode	Diesel	Cutting Width	96 in
Mixing Depth	15.0"		

Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$19,880.00	\$5,565.00	\$1,390.00	\$210.00	\$95.55	\$208.50
Adjustments						
Region (Texas: 85.4%)	(\$2,902.48)	(\$812.49)	(\$202.94)	(\$30.66)		
Model Year (2006: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$16,977.52	\$4,752.51	\$1,187.06	\$179.34	\$95.55	\$192.01

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	47%	\$9,343.60/mo
Overhaul (ownership)	39%	\$7,753.20/mo
CFC (ownership)	5%	\$994.00/mo
Indirect (ownership)	9%	\$1,789.20/mo
Fuel (operating) @ 2.3	41%	\$39.33/hr

Revised Date: 1st Half 2017

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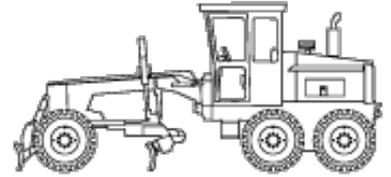
Rental Rate Blue Book®

June 21, 2017

Caterpillar 140H (disc. 2008)

Articulated Frame Graders

Size Class:
145 - 169 HP
 Weight:
32,357 lbs.



Configuration for 140H (disc. 2008)

Moldboard Size	12 ft	Net Horsepower	165 hp
Power Mode	Diesel	Operator Protection	EROPS

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	\$7,395.00	\$2,070.00	\$520.00	\$78.00	\$38.80	\$80.82
Adjustments						
Region (Texas: 88.9%)	(\$820.85)	(\$229.77)	(\$57.72)	(\$8.66)		
Model Year (2008: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$6,574.15	\$1,840.23	\$462.28	\$69.34	\$38.80	\$76.15

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33%	\$2,440.35/mo
Overhaul (ownership)	49%	\$3,623.55/mo
CFC (ownership)	7%	\$517.65/mo
Indirect (ownership)	11%	\$813.45/mo
Fuel (operating) @ 2.36	38%	\$14.80/hr

Revised Date: 2nd Half 2016

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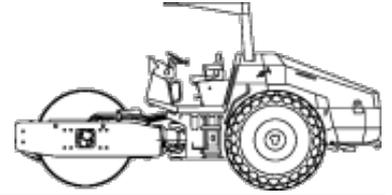
Rental Rate Blue Book®

June 21, 2017

Caterpillar CP-563E (disc. 2008)

Single Drum Vibratory Compactors

Size Class:
8.0 - 11.9 MTons
 Weight:
24,710 lbs.



Configuration for CP-563E (disc. 2008)

Net Horsepower	143 hp	Power Mode	Diesel
Drum Type	Padfoot	Drum Width	84 in

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	\$5,220.00	\$1,460.00	\$365.00	\$55.00	\$38.45	\$68.11
Adjustments						
Region (Texas: 89.4%)	(\$553.32)	(\$154.76)	(\$38.69)	(\$5.83)		
Model Year (2008: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$4,666.68	\$1,305.24	\$326.31	\$49.17	\$38.45	\$64.97

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	51%	\$2,662.20/mo
Overhaul (ownership)	29%	\$1,513.80/mo
CFC (ownership)	7%	\$365.40/mo
Indirect (ownership)	13%	\$678.60/mo
Fuel (operating) @ 2.3	22%	\$8.55/hr

Revised Date: 1st Half 2017

The equipment represented in this report has been exclusively prepared for ADOLPH PAVLICEK (adolph.pavlicek@strlco.com)

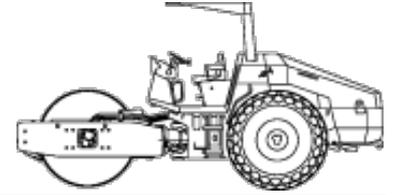
Rental Rate Blue Book®

June 21, 2017

Caterpillar CS-563E (disc. 2008)

Single Drum Vibratory Compactors

Size Class:
8.0 - 11.9 MTons
 Weight:
23,750 lbs.



Configuration for CS-563E (disc. 2008)

Drum Width	84 in	Drum Type	Smooth
Power Mode	Diesel	Net Horsepower	142 hp

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	\$4,480.00	\$1,255.00	\$315.00	\$47.00	\$34.60	\$60.05
Adjustments						
Region (Texas: 89.4%)	(\$474.88)	(\$133.03)	(\$33.39)	(\$4.98)		
Model Year (2008: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$4,005.12	\$1,121.97	\$281.61	\$42.02	\$34.60	\$57.36

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	51%	\$2,284.80/mo
Overhaul (ownership)	29%	\$1,299.20/mo
CFC (ownership)	7%	\$313.60/mo
Indirect (ownership)	13%	\$582.40/mo
Fuel (operating) @ 2.3	25%	\$8.49/hr

Revised Date: 1st Half 2017

The equipment represented in this report has been exclusively prepared for ADOLPH PAVLICEK (adolph.pavlicek@strlco.com)

Rental Rate Blue Book®

November 25, 2015

On-Highway Light Duty Trucks

Miscellaneous Models

Size Class:

Net Hp 300 HP & Over

Configuration for On-Highway Light Duty Trucks

Power Mode	Diesel	Cab Type	Crew
Axle Configuration	4X4	Ton Rating	1
Horsepower	325.0		

Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$1,105.00	\$310.00	\$78.00	\$12.00	\$17.60	\$23.88
Adjustments						
Region (Texas: 91.4%)	(\$95.03)	(\$26.66)	(\$6.71)	(\$1.03)		
Model Year (2012: 97.6%)	(\$24.24)	(\$6.80)	(\$1.71)	(\$0.26)		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$985.73	\$276.54	\$69.58	\$10.71	\$17.60	\$23.20

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	58%	\$640.90 / mo
Overhaul (ownership)	28%	\$309.40 / mo
CFC (ownership)	4%	\$44.20 / mo
Indirect (ownership)	10%	\$110.50 / mo
Fuel (operating) @ \$3.46	77%	\$13.49 / hr

Revised Date: 2nd Half 2015

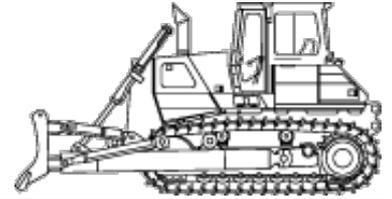
Rental Rate Blue Book®

June 21, 2017

Caterpillar D5K LGP

Lgp Crawler Dozers

Size Class:
85 - 104 HP
 Weight:
21,347 lbs.



Configuration for D5K LGP

Operator Protection Power Mode	ROPS/FOPS Diesel	Net Horsepower Dozer Type	96 hp VPAT
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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	\$6,070.00	\$1,700.00	\$425.00	\$64.00	\$30.30	\$64.79
Adjustments						
Region (Texas: 88.9%)	(\$673.77)	(\$188.70)	(\$47.18)	(\$7.10)		
Model Year (2013: 98.7%)	(\$70.15)	(\$19.65)	(\$4.91)	(\$0.74)		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$5,326.08	\$1,491.65	\$372.91	\$56.16	\$30.30	\$60.56

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	28%	\$1,699.60/mo
Overhaul (ownership)	58%	\$3,520.60/mo
CFC (ownership)	6%	\$364.20/mo
Indirect (ownership)	8%	\$485.60/mo
Fuel (operating) @ 2.36	31%	\$9.52/hr

Revised Date: 2nd Half 2016

The equipment represented in this report has been exclusively prepared for ADOLPH PAVLICEK (adolph.pavlicek@strlco.com)

Rental Rate Blue Book®

March 18, 2016

On-Highway Water Tankers

Miscellaneous Models

Size Class:

Net Hp 200 HP & Over

Configuration for On-Highway Water Tankers

Horsepower	250	Power Mode	Diesel
Tank Capacity	4,000 gal	Horsepower	250.0

Equipment Notes: Rates include pump and rear spray system.

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	\$3,760.00	\$1,055.00	\$265.00	\$40.00	\$36.25	\$57.61
Adjustments						
Region (Texas: 91.4%)	(\$323.36)	(\$90.73)	(\$22.79)	(\$3.44)		
Model Year (100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$3,436.64	\$964.27	\$242.21	\$36.56	\$36.25	\$55.78

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	50%	\$1,880.00 / mo
Overhaul (ownership)	29%	\$1,090.40 / mo
CFC (ownership)	9%	\$338.40 / mo
Indirect (ownership)	12%	\$451.20 / mo
Fuel (operating) @ \$3.46	60%	\$21.63 / hr

Revised Date: 2nd Half 2015