

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: F 2022(745)

CONTROL: 0086-14-075

COUNTY: WEBB

LETTING: 08/02/2023

REFERENCE NO: 0724

PROPOSAL ADDENDUMS

- PROPOSAL COVER
- BID INSERTS (SH. NO.: SHEET 1-44 OF 44)
- GENERAL NOTES (SH. NO.: SHEET A THROUGH W OF W)
- SPEC LIST (SH. NO.: SHEET 1-6 OF 6)
- SPECIAL PROVISIONS:
- ADDED:
- DELETED:
- SPECIAL SPECIFICATIONS:
- ADDED:
- DELETED:
- OTHER: PLANS

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

PROPOSAL:
BID INSERTS, SHEET 1-44 OF 44 - REVISED QUANTITIES ON ITEMS 400-6008, 166-6001, 247-6041, 310-6009, 360-6004, 360-6043, 450-6064, 512-6001 545-6007, 650-6038, 650-6045. ADDED ITEMS 160-6003 AND 6412-6001. DELETED ITEM 617-6002.

GENERAL NOTES, SHEET A THROUGH W - INSERTED LAST PARAGRAPH ON ITEM 8, REMOVED THIRD SENTENCE ON ITEM 247, REMOVED LAST 2 SENTENCES ON ITEM 432.

SPECIFICATION LIST:
ADDED ITEMS 160 AND 6412. DELETED ITEM 617.

PLANS:
SHEET 0004 - REMOVED SHEET 1149.
SHEETS 0077C - 0077K - NOTES SHIFTED FROM PAGE TO PAGE DUE TO ABOVE REVISIONS.
SHEETS 0078, 0078A - 0078AA - ITEMS SHIFTED FROM PAGE TO PAGE DUE TO ABOVE REVISIONS.
SHEETS 0082 AND 0084 - REVISED QUANTITY FOR ITEM 400-6008.

DESCRIPTION OF ABOVE CHANGES (CONTINUED)
(INCLUDING PLANS SHEET CHANGES)

SHEETS 0085 - 0090 - REMOVED ITEM 617-6002 AND ADDED ITEM 6412-6001.
SHEETS 0107, 0110 - REVISED QUANTITIES FOR ITEMS 247-6041, 310-6009, 360-6004, 360-6043.
SHEET 0109 - REVISED QUANTITIES FOR ITEMS 247-6041, 310-6009, 360-6004.
SHEETS 0111, 0115 - REVISED QUANTITIES FOR ITEMS 450-6064 AND 512-6001.
SHEET 0121, 0125 - REVISED QUANTITY FOR ITEM 545-6007.
SHEET 0161, 0162 - REVISED QUANTITIES FOR ITEMS 650-6038 AND 650-6045.
SHEET 0207 - ADD ITEMS 160-6003 AND 166-6001.
SHEET 0208 - ADDED TWO LOCATIONS AND REVISED SHEET QUANTITY.
SHEET 0211 - REVISED QUANTITY FROM THE REMOVAL COLUMN OF THE TABLE.
SHEET 0212 - REVISED QUANTITY FROM THE REMOVAL COLUMN OF THE TABLE AND REVISED SHEET QUANTITY.
SHEET 0786 - ADDED CALL OUTS W / SLOTS.
SHEET 1008 - REVISED STANDARD SHEET BY INCLUDING DETAILS AND NOTES AND REMOVING ITEMS FROM THE LEGEND.
SHEET 1149 - REMOVED STANDARD SHEET.
SHEET 1968 - WAS RE-PRINTED.

ROADWAY STANDARDS (CONT'D)

1038
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1041-1044
1045

A JS-14
A TRANS-20
A CCGG-22
A PED-18
A TRF

IV. RETAINING WALL DETAIL SHEETS

1046-1053 OVERALL RETAINING WALL LAYOUT
1054-1060 RETAINING WALL HORIZONTAL ALIGNMENT DATA
1061 RETAINING WALL LAYOUT WALL RW-B
1062-1065 RETAINING WALL LAYOUT WALL RW-C
1066-1067 RETAINING WALL LAYOUT WALL RW-D
1068-1070 RETAINING WALL LAYOUT WALL RW-E
1071 RETAINING WALL LAYOUT WALL RW-F
1072 RETAINING WALL LAYOUT WALL RW-G
1073-1075 RETAINING WALL LAYOUT WALL RW-H
1076-1079 RETAINING WALL LAYOUT WALL RW-I
1080-1081 RETAINING WALL LAYOUT WALL RW-J
1082-1084 RETAINING WALL LAYOUT WALL RW03
1085-1087 RETAINING WALL LAYOUT WALL RW04
1088 RETAINING WALL LAYOUT WALL RW05
1089 RETAINING WALL LAYOUT WALL RW06
1090-1092 RETAINING WALL LAYOUT WALL RW07
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1097 RETAINING WALL LAYOUT WALL RW11
1098-1101 RETAINING WALL LAYOUT WALL RW12
1102 RETAINING WALL LAYOUT WALL RW13
1103-1104 RETAINING WALL LAYOUT WALL RW14
1105 RETAINING WALL LAYOUT WALL RW15
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1115-1117 RETAINING WALL LAYOUT WALL RW24
1118-1120 RETAINING WALL LAYOUT WALL RW25
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1124 RETAINING WALL LAYOUT WALL RW27
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1134 RETAINING WALL LAYOUT WALL RW33
1135-1137 RETAINING WALL LAYOUT WALL RW35
1138 RETAINING WALL GROUND IMPROVEMENT DETAIL
1139 RETAINING WALL SLIP JOINT DETAILS
1140 RETAINING WALL AESTHETIC DETAILS
1141-1143 SOUND WALL LAYOUT
1144 SOUND WALL TYPICAL SECTION
1145 SOUND WALL DETAILS

RETAINING WALL STANDARDS

B RW (MSE) DM
B OMITTED
B RW (FM)
B RW (MSE)
B RW (TRF)



V. DRAINAGE DETAIL SHEETS

1154-1155 OVERALL DRAINAGE AREA MAP
1156-1157 CULVERT DRAINAGE AREA MAP
1158 PROPOSED PONDS DRAINAGE AREA MAP
1159-1165 EXTERIOR DRAINAGE AREA MAP
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1193-1195 HYDROLOGIC DATA SHEET CULVERTS AND BRIDGE CLASS CULVERTS
1196 HYDROLOGIC DATA SHEET PONDS
1197-1203 HYDROLOGIC DATA SHEET
1204-1205 HYDRAULIC DATA SHEET NON-BRIDGE CLASS CULVERTS
1206-1207 HYDRAULIC DATA CULVERT 8
1208-1209 HYDRAULIC DATA CULVERT 12 AND 12 CLV-1
1210-1211 HYDRAULIC DATA CULVERT 13
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1245-1275 HYDRAULIC DATA SHEET 10 YR
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V. DRAINAGE DETAIL SHEETS (CONT'D)

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CULVERT LAYOUT CULVERT 7
CULVERT LAYOUT CULVERT 8
CULVERT LAYOUT CULVERT 9
CULVERT LAYOUT CULVERT 10
CULVERT LAYOUT CULVERT 11
CULVERT LAYOUT CULVERT 12
CULVERT LAYOUT CULVERT 13
CULVERT LAYOUT CULVERT 14
CULVERT LAYOUT CULVERT 15
CULVERT LAYOUT CULVERT 16
CULVERT LAYOUT CULVERT 12 CLV-1
EROSION CONTROL GRADING TABLE
MAINLANE INTERIM STORM SEWER PLAN & PROFILE
MAINLANES STORM SEWER PLAN & PROFILE
NB FRONTAGE RD STORM SEWER PLAN & PROFILE
SB FRONTAGE RD STORM SEWER PLAN & PROFILE
DITCH GRADING DATA
POND LAYOUT POND 08
POND LAYOUT POND 09-10
POND LAYOUT POND 12
POND LAYOUT POND 13
POND LAYOUT POND 15
POND LAYOUT POND 16-1 & 16-2
STORM SEWER LATERALS OUTFALL 5-6
STORM SEWER LATERALS OUTFALL 7
STORM SEWER LATERALS OUTFALL 8
STORM SEWER LATERALS OUTFALL 9 & 10
STORM SEWER LATERALS OUTFALL 11
STORM SEWER LATERALS OUTFALL 12
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STORM SEWER LATERALS OUTFALL 16
STORM SEWER LATERALS OUTFALL 17
DRAINAGE MISCELLANEOUS DETAILS
DRAINAGE DITCH RIPRAP DETAILS
BCS
FD

DRAINAGE STANDARDS

B PB
B PRM
B PCO
B PSL
B PJB
B SCP-3
B SCP-5
B SCP-6
B SCP-7
B SCP-8
B SCP-9
B SCP-MD
B SW-0
B PW
B PAZD-CZ
B PDD
B SETP-PD
B SETP-CD
B CLF-10
B CRR
B SRR
B CH-PW-S
B RW (RI)
B SETB-CD
B SETB-PD

VI. UTILITIES

1472 EXISTING UTILITY LEGEND
1473-1503 UTILITY LAYOUTS

VII. SOIL BORING DATA

1504-1531 BORING PLAN
1532-1682 BORING LOG



5/31/2023

Dawo

Omega Engineers, Inc. (F-2147)

B THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ON THIS SHEET HAVE BEEN SELECTED BY ME OR UNDER MY SUPERVISION AS BEING APPLICABLE TO THIS PROJECT



5/31/2023

Adolfo Saenz

A THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ON THIS SHEET HAVE BEEN SELECTED BY ME OR UNDER MY SUPERVISION AS BEING APPLICABLE TO THIS PROJECT

Table with columns: NO., REVISIONS, BY, DATE



F-6932
15021 Katy Freeway,
Suite 500
Houston, Texas, 77094
281-945-0089 Ph
281-945-0081 Fx

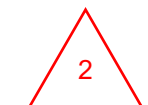
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US 59

INDEX OF SHEETS

Table with columns: SHEET NO., DN, RA, STATE, PROJECT NO., HIGHWAY NO., CK DN, AS, DIST, COUNTY, CONTROL NO., SECTION NO., JOB NO., SHEET NO.



REVISED 07/24/2023

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Project Number:

Sheet

County: Webb

Control: 0086-14-075, etc.

Highway: US 59

Project Number:

Sheet 77C

County: Webb

Control: 0086-14-075, etc.

Highway: US 59

Table #1 below shows the road user cost Liquidated Damages for the Project Milestones

TABLE #1						
Milestone	Phase	Desc.	Begin Milestone	Allowable Duration	End Milestone	Liquidated Damages per day
1	PHASE 0 STEP 1	TO REMOVE MEDIAN AND CONSTRUCT TEMP PAVEMENT	Initial day of lane reconfiguration	102 Calendar days	102 Calendar days after Initial day of lane reconfiguration	\$ 7,557.00
2	PHASE 0 STEP 2	TO CONSTRUCT A PORTION OF CULVERT 8, 12 & 13	Initial day of lane reconfiguration	27 Calendar days	27 Calendar days after Initial day of lane reconfiguration	\$ 7,557.00
3	PHASE 0 STEP 3	TO CONSTRUCT A PORTION OF CULVERT 8, 12 & 13	Initial day of lane reconfiguration	20 Calendar days	20 Calendar days after Initial day of lane reconfiguration	\$ 7,557.00
4	PHASE 0 STEP 4	TO CONSTRUCT A PORTION OF CULVERT 8, 12 & 13	Initial day of lane reconfiguration	28 Calendar days	28 Calendar days after Initial day of lane reconfiguration	\$ 7,557.00
5	PHASE 1 STEP 1A	TO CONSTRUCT BAYSIDE BLVD WITH FULL CLOSURE	Initial day of side street closure	22 Calendar days	22 Calendar days after Initial day of side street closure	\$ 7,098.00
6	PHASE 1 STEP 1C-1 & 2	TO CONSTRUCT UNIVERSITY BLVD	Initial day of side street closure	60 Calendar days	60 Calendar days after Initial day of side street closure	\$ 512.00
7	PHASE 1 STEP 1D-1 & 2	TO CONSTRUCT DEL MAR BLVD	Initial day of side street closure	66 Calendar days	66 Calendar days after Initial day of side street closure	\$ 105.00
8	PHASE 1 STEP 2A	TO CONSTRUCT BUCKY HOUDMAN BLVD AND REMAINING NB FRTG	Initial day of lane reconfiguration	56 Calendar days	56 Calendar days after Initial day of lane reconfiguration	\$ 506.00
9	PHASE 1 STEP 2B	TO CONSTRUCT TAMIU DR	Initial day of NBFRTG closure	10 Calendar days	10 Calendar days after Initial day of NBFRTG closure	\$ 4,288.00
10	PHASE 1 STEP 3	TO CONSTRUCT REMAINING NB FRTG AND TRANSITION AT BEGINNING OF PROJECT BY CLOSING THE LOOP BLVD ENTERANCE	Initial day of the loop Blvd. closure	16 Calendar days	16 Calendar days after Initial day of the loop Blvd. closure	\$ 1,424.00
11	PHASE 2 STEP 2A-1 & 2	TO CONSTRUCT JACAMAN RD	Initial day of side street closure	47 Calendar days	47 Calendar days after Initial day of side street closure	\$ 606.00

General Notes

Sheet G

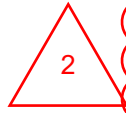


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TABLE #1 (Cont'd)						
Milestone	Phase	Desc.	Begin Milestone	Allowable Duration	End Milestone	Liquidated Damages per day
12	PHASE 2 STEP 2B	TO CONSTRUCT UNIVERSITY BLVD	Initial day of side street closure	29 Calendar days	29 Calendar days after Initial day of side street closure	\$ 3,334.00
13	PHASE 2 STEP 2C	TO CONSTRUCT DEL MAR BLVD	Initial day of side street closure	29 Calendar days	29 Calendar days after Initial day of side street closure	\$ 5,358.00
14	PHASE 2 STEP 2D	TO CONSTRUCT SHILOH DR	Initial day of side street closure	26 Calendar days	26 Calendar days after Initial day of side street closure	\$ 8,062.00
15	PHASE 3 STEP 1A	TO CONSTRUCT UNIVERSITY BLVD BRIDGE AND UNDERPASS	Initial day intersection closure	42 Calendar days	42 Calendar days after Initial day intersection closure	\$30,156.00
16	PHASE 3 STEP 1B	TO CONSTRUCT JACAMAN RD AND SHILOH DR BRIDGE AND UNDERPASS	Initial day intersection closure	49 Calendar days	49 Calendar days after Initial day intersection closure	\$41,432.00
17	PHASE 3 STEP 1C	TO CONSTRUCT DEL MAR BLVD BRIDGE AND UNDERPASS	Initial day intersection closure	37 Calendar days	37 Calendar days after Initial day intersection closure	\$40,109.00

No Excuse Incentives:

A No Excuse incentive of 1.5 percent of original contract value up to a maximum of \$5,000,000 will be paid if substantial completion of the project is obtained prior to 105 percent of the planned substantial completion duration provided in the accepted baseline schedule. Unless otherwise shown on the plans, substantial completion for the no excuse incentive occurs when traffic is following the lane arrangement as shown on the plans for the finish roadway; all pavement construction and pavement surfacing are complete; and signs, delineation, traffic signals, illumination, traffic control devices, raised pavement markers, and permanent pavement markings are in their final position. Early safety completion will include the completed installation of all crash safety features such as crash cushions, cable barrier, safety end treatment, guard fence, guardrail end treatments, and their mow strips as shown on the plans for the finish roadway. All no excuse incentives will not be adjusted for any reason including but not limited to impacts/delays caused by third parties, third party damage, material supply shortage, design errors, TxDOT, utilities, differing site conditions, overruns, added work, change orders, acts of God, and ROW. Contractor



General Notes

Sheet H

Project Number:

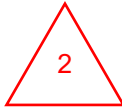
Sheet

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expenditures (overtime, equipment cost, etc.) in attempt to obtain the incentive are not reimbursable or a reason for payment of the incentive.



Item 9 - Measurement and Payment

Coordinate and provide off-duty law enforcement officers with officially marked vehicles (if patrol cruisers are available from the enforcement agency involved) during the following operations:

- Transitioning to a new sequence of construction,
- Traffic signal upgrades,
- Lane closures
- One-way traffic control situation

For payment through TxDOT state force account method, complete the weekly tracking forms provided by the department and submit invoices that agree with the tracking form for payment at the end of each month approved services were provided.

Submit Material on hand (MOH) payment requests at least 5 working days prior to the end of the month for payment on that month's estimate. For out-of-town MOH submit requests at least 10 working days prior to the end of the month.

Item 100 - Preparing Right of Way

Burning of brush will not be permitted.

Do not begin any clearing operations until the trees and areas of vegetation that should not be removed or disturbed by construction activities have been identified. To ensure that these areas are not disturbed, place protection fencing as shown in the plans or as directed/approved by the Engineer.

All right of way clearing operations will be coordinated with the project's SW3P and as directed/approved by the Engineer.

Item 105 - Removing Treated and Untreated Base and Asphalt Pavement

Stockpile salvaged 2000 tons Asphalt pavement *and* Base materials at TxDOT Maintenance located at 1817 Bob Bullock Loop, Laredo, TX 78043

The rest of this item will remain the property of the Contractor.



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Project Number:



Sheet 77D

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Highway: US 59

Item 132 - Embankment

The embankment material must be consistent and homogeneous, free from vegetation or other objectionable matter, reasonably free from lumps of earth and suitable for forming a stable embankment.

For fill sections from embankment finished grade line and below, to a depth of 4 feet:

- Field compact density to $\geq 98\%$ dry density.
- Plasticity Index (PI) limit is: $5 \leq PI \leq 25$.
- Liquid limit ≤ 45

For all other fill sections, Plasticity Index (PI) limit is less than or equal to 30.

It is the Contractor's responsibility to advise the Engineer of the location of the source sufficiently in advance to avoid delay.

Item 162 - Sodding for Erosion Control

Furnish and place Bermuda grass sod.

Item 164 - Seeding for Erosion Control

Drill seeding will be used for this project. Refer to the Laredo District Standard Revegetation notes and specifications for additional information.

Item 166 - Fertilizer

Fertilize all areas of project to be seeded or sodded.

Item 168 - Vegetative Watering

Water all areas of project to be seeded or sodded at a rate shown on the plans.

Maintain the seed bed in a condition favorable for the growth of grass. Watering can be postponed immediately after a rainfall on the site of $\frac{1}{2}$ in. or greater, but will be resumed before the soil dries out. Watering will continue until final acceptance.

Obtain water at a source that is metered or furnish the manufacturer's specifications showing the tank capacity for each truck used. Notify the Engineer before watering so meter readings or truck counts may be verified.

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Establish 70% uniform vegetative coverage during this period in order to comply with stabilization requirements. Operate and meter water equipment under pumping pressure in order to deliver the required quantities of water necessary. During periods of adequate moisture, as determined by the Engineer, mechanical watering may not be required. In addition to metering the water equipment, provide a log book showing daily water usage and receipts of water applied upon request of the Engineer.

Upon establishment of 70% vegetative coverage as determined by the Engineer, the Engineer has the option to require the Contractor to continue watering as specified for a period not to exceed 30 days.

Item 247 - Flexible Base

Conform to the following flexible base (TY A GR 1-2) requirements:

A pre-placement meeting must be conducted at least 48 hrs prior to flex base placing operations.

If the flexible base comes from a stockpile, test the stockpile before delivery to the project. Stockpile must be labeled and designated the contractor and the project. Follow the department guide schedule for testing frequency. The Contractor's attention is called to the fact that the preliminary test will require approximately 30 days and it is the Contractor's responsibility to advise the

Engineer of the location of the flexible base source sufficiently in advance to avoid delays. Blade the side slopes to remove all grass from the area of construction before placing flexible base on that portion of the roadway to be widened, level-up, seal coat, or HMAC overlay. Blade the sod back onto the side slopes after the proposed items of work have been completed. This work is subsidiary to pertinent work items.

PI (plasticity index) to be a minimum of 2.
Linear shrinkage to be a minimum of 3.

Item 260 - Lime Treatment (Road-Mixed)

A pre-placement meeting must be conducted at least 48 hrs prior to placing operations.

Lime trucks received on the project may be randomly selected and required to be re-weighed at public scales. If the weight of the lime varies by more than 2%, payment will be as determined by these scales.

General Notes

Sheet K



REVISED 7/24/2023

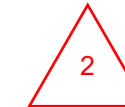
Project Number:

Sheet 77E

County: Webb

Control: 0086-14-075, etc.

Highway: US 59



Item 310 - Prime Coat

Remove all loose and scabbed material from the surface prior to prime coat application. Allow the prime coat to cure for a minimum of 48-72 hours before placing any successive layers, unless otherwise approved by the Engineer. In winter weather, allow the prime to cure for a minimum of 72 hours.

Do not allow any type of traffic including construction vehicles to drive on the curing prime coat. Make necessary adjustments for driveways and accesses that need to be maintained during construction, as approved by the Engineer. When a prime coat is left open to traffic for more than 14 days or when the application is visually inconsistent such as but not limited to streaking and tracking, then the surface shall be re-primed as directed by the Engineer at no additional cost to the Department.

Item 354 - Planing and Texturing Pavement

Stockpile salvaged 1000 tons materials at TxDOT Maintenance located at 1817 Bob Bullock Loop, Laredo, TX 78043

The rest of this item will remain the property of the Contractor.

Pavement sections to be planed and overlaid are planed no more than one week prior to placing overlay. The contractor will not be allowed to remove all existing asphalt from (edge of pavement to edge of pavement) when TCP requires to be done in phases.

The contractor will be responsible for verifying the existing asphalt depth at the bridge before beginning planing operations. The contractor will be responsible for any needed repairs to the armor joint(s) and/or deck(s) as a result of the planing operations. The repairs will be conducted to the satisfaction of the Engineer. The Contractor will be responsible for all costs incurred for the repairs, including but not limited to materials, labor, equipment, and pertinent incidentals.

Item 360 - Concrete Pavement

Frontage Road – Use Schedule 3 will be enforced for the ride quality of concrete (refer to Item 585).
Main lanes and Ramps – Use item 3012 next generation surface grinding

Item 403 – Temporary Shoring

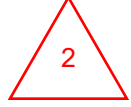
Payment under this item is pending receipt of documentation noted in the plan set

General Notes

Sheet L

Project Number:

Sheet



County: Webb

Control: 0086-14-075, etc.

Highway: US 59

Project Number:

Sheet 77F

County: Webb

Control: 0086-14-075, etc.

Highway: US 59

Including details specific to each individual location.

Item 416 - Drilled Shaft Foundations

After drill shaft installation plan is approved by the Engineer, a pre-placement meeting shall be held at least 48 hours before beginning excavation operations.

Place the grounding rods for the traffic signal poles at the nearest ground box. The ground rod will be 5/8" x 10 feet. A continuous bare or green insulated copper wire (no. 6) will be installed from the ground rod to the base of the traffic signal.

Item 420 - Concrete Substructures

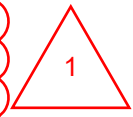
Sulfate resistant concrete shall be used in all situations for concrete structures in contact with the natural ground.

Check the sign plans for locations of clearance signs and brackets on structures which will require inserts in the pre-stressed beams. Forward such locations to the beam fabricator.

Mass Concrete will be a plans quantity item.

Item 423 - Retaining Walls

Type BS material shall be used. Cement stabilized backfill will be allowed for MSE walls as shown on plans. A minimum of 90% mechanically induced crushed-face aggregate will be used as per Tex 460-A



For MSE walls, provide a system from one of the following approved suppliers:

Reinforced Earth Walls	The Reinforced Earth Company 1331 Airport Freeway, Suite 302 Euless, TX 76040-4150	(817) 283-5503
Vist-A-Wall Precast MSE Walls (Grid-Strip, Wide Mesh)	Contech Engineered Solutions L.L.C. 650 Justice Lane Mansfield, TX 76063	(800) 338-1122
Jobe Wall System	Jobe Materials, L.P. 12123 Dyer Street El Paso, TX 79934	(915) 298-9900

General Notes

Sheet M



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REVISED 7/17/2023

Strengthened Soil Walls	ROSCH Earth Technologies 18390 Wings Corporate Drive Chesterfield, MO 63005	(636) 519-7770
Structural Embankment MSE Walls	Structural Embankment, LLC P.O. Box 2200 Weatherford, TX 76086	(817) 599-5700
Tricon Retained Soil Walls	Tricon Precast, Ltd. 15055 Henry Road Houston, TX 77060	(281) 931-9832
VP Wall System	Valley Prestress Products, Inc. 1520 Calhoun Rd. P.O. Box 309 Eagle Lake, TX 77434	(979) 234-7899

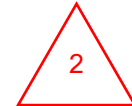
Provide the following surface finish for walls:

Use an Ashlar finish with contrasting colored bridge coping for the MSE walls.

For colorants in MSE walls and bridge coping supply the engineer with a copy of the recommendations:

- Colorant:
- SW 6141: Softer tan for MSE walls
- SW 7048: Urban bronze for bridge coping
- Protect adjacent surfaces from colorants

Use Type BS backfill for permanent MSE walls.



Item 432 - Riprap

Provide Class B Concrete for riprap.

Provide Class II Concrete for pneumatically placed concrete.

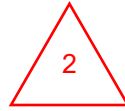
Item 496 - Removing Structures

The structure(s) to be removed have surface coatings which may contain hazardous materials. Provide for the safety and health of employees and abide by all OSHA Standards and Regulations.

General Notes

Sheet N

Project Number:



Sheet

County: Webb

Control: 0086-14-075, etc.

Highway: US 59

Item 500 - Mobilization

"Materials-on-Hand" payments will not be considered in determining percentages used to compute mobilization payments.

Item 502 - Barricades, Signs, and Traffic Handling

Designate, as the Contractor Responsible Person (CRP), an English-speaking employee on-call nights and weekends (or any other time that work is not in progress) with a local address and telephone number for maintenance of signs and barricades. This employee will be located within one (1) hour of traveling time to the project site. Notify the Engineer in writing of the name, address and telephone number of this employee. Furnish this information to local law enforcement officials.

When advanced warning flashing arrow panel(s) is/are specified, maintain one standby unit in good condition at the job site ready for immediate use is required.

Notify the Engineer (956-712-7702) at least two weeks prior to a proposed traffic pattern change(s) that will require a revision to traffic signals. This is required to provide the State/City time to perform a traffic study, determine the new signal timing and phasing settings that need to be implemented with the traffic change.

Provide two-way radios in areas where flagmen do not have visual contact with one another or cannot communicate with one another.

Limit lane closures to a maximum of 2 miles. If more than one lane closure location is desired, provide a minimum of a 2 mile passing zone between locations. Provide a separate sign set up for each location.

Ensure equipment not in use, stockpile aggregate, and other working materials are:

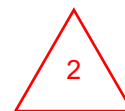
- A minimum of 30 feet from the edge of the travel lane;
- Do not obstruct traffic or sight distance;
- Do not interfere with the access from abutting property; or
- Do not interfere with roadway drainage.

Erect signs in locations not obstructing the traveling public's view of the normal roadway signing or necessary sight distance at intersections and curves.

During the holiday time frame of December 21st through January 1st, every effort should be taken to ensure that all travel lanes remain open where possible.

General Notes

Sheet O



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Sheet 77G

County: Webb

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The Contractor Force Account "Safety Contingency" that has been established for this project is intended to be utilized for work zone enhancements, to improve the effectiveness of the Traffic Control Plan, that could not be foreseen in the project planning and design stage. These enhancements will be mutually agreed upon by the Engineer and the Contractor's Responsible Person based on weekly or more frequent traffic management reviews on the project. The Engineer may choose to use existing bid items if it does not slow the implementation of enhancement.

Item 504 - Field Office and Laboratory

Provide a Type B and D Structure and Asphalt Content by Ignition Method for TxDOT Quality Assurance Testing. Contractor's quality control testing shall be performed in a separate space or facility. If a separate space is utilized within a shared facility, partition the space with a floor to ceiling wall with a door access for indoor use that is lockable with a key. Each separate space shall have an exterior door access.

Ensure that the field lab has an office for TxDOT use along with lockable file cabinet, desk and chair.

The floor and landing of the facility shall support the weight of all equipment and personnel providing a stable, essentially zero deflection during testing operations, acceptable to the Engineer.

Contractor is responsible to transport to and from the field lab TxDOT owned testing equipment required for hot mix operations. Contractor will pick up, deliver, install and set up TxDOT owned equipment required in the field lab. TxDOT owned equipment required in the field lab will be picked up at LRD DST LAB or as determined by the LRD DST LAB Supervisor.

Pick up and deliver TxDOT owned equipment under the supervision of a TxDOT lab technician. A TxDOT lab technician will verify the installation and set-up of the equipment at least 48 hours prior to beginning of hot mix operations (trial batch included).

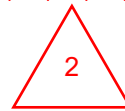
All equipment will be returned by the Contractor in the same manner and location as it was picked up. Contractor is responsible for any damages incurred to TxDOT equipment.

General Notes

Sheet P

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County: Webb

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Item 506 - Temporary Erosion, Sedimentation, and Environmental Controls

The Department will take over responsibility for the establishment of 70% vegetative cover, based on adjacent undisturbed vegetation, upon the completion of all other work in accordance with the contract and final acceptance.

Concrete washout area(s) shall be installed prior to concrete placement on site. The concrete washout area(s) shall be entirely self-contained. Location must be Approved by the Engineer. Concrete washout area(s) are subsidiary to pertinent Items.

Item 512 - Portable Traffic Barrier

Do not use different types of Portable Traffic Barriers in a single continuous installation.

Place PTB at 1/2" GAP over SPAN BRIDGE DECKS for Expansion to AVOID THERMAL SLAB vs. PTB Extreme THERMAL Movement.

Item 528 – Colored Textured Concrete and Landscape Pavers

Contractor to provide Type and Material use as release agent for textured Concrete. Pre-placement meeting for both color texture and brick paver.

Item 531 – Sidewalks

Include subsidiary information, dowel cap or dowel gap for expansion space for Expansion joints.

(Include subsidiary information) dowel cap and dowel gap for expansion space on Expansion Joints. Expansion Joints to be placed at 30' Max. spacing to avoid Extreme Heat Buckling.

Item 540 – Metal Beam Guard Fence

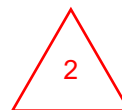
Install cast-in place concrete curb Type II in the metal beam guard fence transition (Thrie-Beam Transition). Pre-cast concrete curb will not be allowed.

Item 585 - Ride Quality for Pavement Surfaces

Use pay adjustment schedule 3 – Frontage Roads.

General Notes

Sheet Q



Project Number:

Sheet 77H

County: Webb

Control: 0086-14-075, etc.

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Measure ride quality of the base course after placement of the prime coat and before placement of the surface treatment, unless otherwise approved. Use a certified profiler operator from the Department's MPL. When requested, furnish the Engineer documentation for the person certified to operate the profiler.

Provide all profile measurements to the Engineer in electronic data files within 3 days after placement of the prime coat using the format specified in Tex-1001-S. The Engineer will use Department software to evaluate longitudinal profiles to determine areas requiring corrective action. Correct 0.1-mi. sections having an average international roughness index (IRI) value greater than 125.0 in. per mile to an IRI value of 125.0 in. per mile or less for each wheel path, unless otherwise shown on the plans.

Re-profile and correct sections that fail to maintain ride quality until placement of the next course, as directed. Correct re-profiled sections until specification requirements are met, as approved. Perform this work at no additional expense to the Department.

Item 618 - Conduit

Place conduit in an area not exceeding 2 feet in any direction from a straight line and the depth of the conduit will be 2 feet, except when crossing a roadway, where the depth will not be more than 3 feet or less than 1 foot below the bottom of the base material in the roadway when placed by the jacking or boring method.

Item 624 - Ground Boxes

Do not place ground boxes in driveways or wheelchair ramps. Alternate ground box locations will be as directed. Ground box aprons will have a 2% slope.

Match concrete aprons to proposed rip rap elevations shown on plans.

Item 636 - Signs

Salvage and deliver all aluminum sign faces to the local TxDOT maintenance office.

Item 644 - Small Roadside Sign Assemblies

Salvage and deliver all aluminum sign faces to the local TxDOT maintenance office.

General Notes

Sheet R

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Sheet

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County: Webb

Control: 0086-14-075, etc.

Highway: US 59

Item 658 – Delineator and Object Marker Assemblies

Proposed delineators for this project will consist of oval shape tube flexible post with a quick release embedded anchor insert stub only, such as Flexstake Inc. – 650 series or Shur-Tite – SD series or equal flexible driveable delineators.

Provide and place delineator Type 1, 2, 3, 4, object markers/chevrons and large arrows signs project 4' or 7' above the pavement surface and not the ground line. (Provide adequate length for proper anchor and projection above ground line).

Item 666 – Reflectorized Pavement Markings

Reflectivity requirements for Type I will be as per Item 666.

Payment on Type I markings requiring retroreflective testing will be made at a 75% rate until passing test results are received.

Item 680 - Highway Traffic Signals

All workers installing electrical materials, including conduit in trenches, services poles and all others system electrical apparatus, will be directly supervised by persons who have completed a TxDOT approved course in electrical underground installations. Furnish evidence of satisfactory completion of the underground electrical installation for roadway illumination and signal control course for all personnel responsible for direct supervision of electrical installation work.

The signal installation will be wired to operate in accordance with the wiring diagram shown in the plans. The contractor will ensure that the timing and phasing are the same as shown in the plans. All timing and phasing will be approved and/or provided by the Transportation Operations Engineer prior to downloading to the controller.

On the terminal block, use the left side for the home runs and the right side for the signal heads. This pattern will be used in all signal installations. For grounding and bonding install a green insulated copper wire no. 6.

Item 681 – Temporary Traffic Signals

Provide temporary traffic signals either generator or solar powered. Provide backup and keep operational and available on the job site at all times during traffic control. Provide temporary traffic signals with a minimum of two indications per approach. Signal heads will be equipped with LED's and back plates. Temporary traffic signals shall be full actuated and interconnected.

General Notes

Sheet S

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Item 682 - Vehicle and Pedestrian Signal Heads

All new signal heads will be covered with burlap from the time of installation until the signal is placed in operation. Position all vehicle signal section heads and pedestrian signal heads to provide the best view for motorists and pedestrians.

Item 684 - Traffic Signal Cables

For each traffic signal installation where signal cable is required, provide a minimum length of 5 feet for each conductor terminating in the controller.

Label all traffic signal cables, vehicle detector cables, and pedestrian signal cables terminating in the controller with marker ties and permanent markers.

Item 690 - Maintenance of Traffic Signals

Prior to construction, meet with the District Transportation Operations Section to determine salvageable traffic signal equipment. Dispose of all other equipment not deemed salvageable by the Engineer or his representative in a manner approved by the Engineer.

Item 734 - Litter Removal:

Begin removing litter ten business days after notification. Refer to the 2014 "Standard Specifications for construction and maintenance of highways, streets, Bridges" for additional information. Remove all litter from the entire ROW, including all shoulders but excluding the traveled lanes.

Item 738 - Cleaning and Sweeping Highways:

Disposal of any collected debris at a state-approved landfill site is mandatory and no exception will be allowed.

Provide a minimum of 2 fully operational sweepers during each scheduled working day for this contract. No exceptions will be considered without a written request.

Loose aggregate accumulated by traffic barrier, raised medians, rail, etc. will be removed from the roadway. This work will be considered subsidiary to item 738 "Cleaning and sweeping highway."

Whole tires, rubber and scrap metal debris picked up from the ROW may be disposed of at the respective maintenance office in accordance with applicable

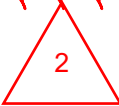
General Notes

Sheet T

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Project Number:

Sheet



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federal, state, and local regulations.

Refer to the 2014 "Standard specifications for construction and Maintenance of highways, streets, bridges" for additional information.

Item 3076 - Dense-Graded Hot-Mix Asphalt

Use aggregate that meets the SAC-A, only for the final riding surface.

Apply the Bonding Course in accordance with Item 3084.

Substitute Binders (grade dumping) will not be allowed on the final riding surface.

Refer to item 585 for ride quality requirements.

The use of RAP or RAS will not be allowed on the final riding surface.

For Mill inlays sections:

Only mill what can be paved at the end of the workday.

RAP 20% is allowed for TY B mixes, but RAS will not be allowed. Substitute Binders in the intermediate layer (grade dumping) may be allowed when the surface HMA layer is placed not more than 6 months after the intermediate layer is complete or as approved by the engineer.

Item 3077 – Superpave Mixtures

Use aggregate that meets the SAC-A only for final riding surface. Excess RAP will be retained by the contractor.

Apply the Bonding Course in accordance to item 3084.

Refer to item 585 for ride quality requirements.

For mill and inlay sections:

Only mill what can be paved by the end of the workday.

The use of RAP, RAS, and/or Substitute Binders will not be allowed on the final riding surface.

RAP 20% is allowed for Ty B mixes, but RAS will not be allowed. Substitute Binders in the intermediate layer (grade dumping) may be allowed when the surface HMA layer is placed not more than 6 months after the intermediate layer is complete or as approved by the Engineer.

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Sheet U



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Sheet 77J

County: Webb

Control: 0086-14-075, etc.

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Over lay requirements will only be for the final riding surface.

Mixture Property	Test Method	Surface Mixtures
Critical Fracture Energy (CFE), in.-lb/in. ² , Min	Tex-248-F ¹	1.0
Crack Progression Rate (CPR), Max		0.45

1. For JMF 2 and greater, Tex-250-F and the IDEAL CT correlation developed during the trial batch may be used to monitor cracking performance. If at any time the minimum correlation limit is not met, use Tex-248-F and the limits above to determine specification compliance.

Methylene Blue (AASHTO T 330.07) will be tested for informational purposes only.

- Asphalt content will be determined by nuclear gauge.

Item 3080 – Stone-Matrix Asphalt

Provide an asphalt binder PG 76-22. Substitution of the PG binder is not allowed.

Use aggregate that meets the SAC requirement of class A.

Apply the Bonding Course in accordance to Item 3084.

The use of RAP, RAS, and/or Substitute Binders will not be allowed on the final riding surface.

For mill and inlay sections:

Only mill what can be paved by the end of the workday.

Refer to Item 585 for ride quality requirements.

Item 3084 – Bonding Course

An average rate of 0.10 GAL/SY was used for estimation purposes. Contractor shall choose an option shown below and bid accordingly.

OPTIONS:

MATERIAL	MINIMUM TYPICAL APPLICATION RATE (GAL/SY)
TRAIL – Emulsified Asphalt	
TRAIL – Hot Applied	
Spray Applied Underseal Membrane	

Typical Application Rate may vary from 0.07 to 0.20 GAL/SY depending on option.

General Notes

Sheet V

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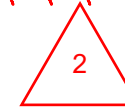
Project Number:

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Sheet 77K

County: Webb

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Apply bonding course at every intermediate layer, unless otherwise directed. The type of tack coat must be approved by the Engineer.

The Engineer may adjust the application rates as per field conditions.

Shear Bond Strength Test will be performed for informational purposes, and will not be used for specification compliance. The target shear bond strength is a minimum of 40 psi and for final surface layer a minimum of 50 psi.

Item 6001 - Portable Changeable Message Sign

Provide Eight (08) electronic portable changeable message signs as required by the Engineer. Provide backups and keep operational and available on the jobsite at all times during traffic control operations. The electronic portable changeable message signs will be made available for utilization for the entire duration of the project, including all alternative locations.

Item 6306 – Video Imaging Vehicle Detection System

Place a 5-foot camera support plumb; this item and its installation will be considered subsidiary to this bid item.

Program and input the detection zones as shown on the plans. Adjust the focus and zoom the camera to achieve the best picture quality.
Detection accuracy must be a minimum of 95% on each lane.

Item 6185 – Truck Mounted Attenuator (TMA) and Trailer

Provide two (2) Truck Mounted Attenuator as required by the Engineer. Provide backup and keep operational and available on the jobsite at all times during traffic control operations. The Truck Mounted Attenuator will be made available for utilization for the entire duration of the project, including all alternative locations.

Item 6028 – Dynamic Message Sign System

Indicate a pickup location or instructions for delivering department issue materials.



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Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	100-6002	PREPARING ROW	STA	64.000		52.800		41.900		33.000		19.100			
	100-6004	PREPARING ROW(TREE)(12" TO 24" DIA)	EA											10.000	
	104-6001	REMOVING CONC (PAV)	SY	1,849.000		371.000		1,496.000		254.000					
	104-6009	REMOVING CONC (RIPRAP)	SY	5,128.000		907.000		1,090.000		1,185.000		845.000			
	104-6011	REMOVING CONC (MEDIANS)	SY					22.000							
	104-6013	REMOVING CONC (FOUNDATIONS)	SY					2.000						1.000	
	104-6017	REMOVING CONC (DRIVEWAYS)	SY	1,043.000		94.000		3,397.000		276.000		115.000			
	104-6021	REMOVING CONC (CURB)	LF	12,551.000		7,856.000		8,247.000		6,046.000		8,148.000			
	104-6022	REMOVING CONC (CURB AND GUTTER)	LF	12,638.000		8,803.000		12,268.000		10,705.000		2,143.000			
	104-6024	REMOVING CONC (RETAINING WALLS)	SY							963.000					
	104-6028	REMOVING CONC (MISC)	SY							34.000					
	104-6036	REMOVING CONC (SIDEWALK OR RAMP)	SY	7,618.000		5,141.000		5,918.000		4,487.000		1,151.000			
	104-6037	REMOVE CONC (RAIL)	LF	39.000		214.000		139.000		126.000					
	104-6040	REMOVING CONC (PAVERS)	SY	7,670.000		4,598.000		4,803.000		3,970.000		570.000			
	104-6044	REMOVING CONC (FLUME)	SY	17.000											
	104-6065	REMOVE CONC RAIL(PARAPET&METAL EL)	LF									137.000			
	105-6094	REMOVING STAB BASE & ASPH PAV(12"-27")	SY	85,966.000		54,976.000		60,707.000		48,887.000		44,751.000			
	110-6001	EXCAVATION (ROADWAY)	CY	98,789.000		142,780.000		46,404.000		28,703.000		49,575.000		48,788.000	
	132-6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	265,657.000		249,751.000		419,199.000		225,326.000		25,577.000		6,790.000	
	132-6044	EMB(FNL)(DC)(TYE)(CSBE)(RWAL FND IMPP)	CY	3,421.000		996.000		271.000							
	160-6003	FURNISHING AND PLACING TOPSOIL (4")	SY	104,940.000				24,604.000		45,001.000		96,068.000			
	162-6003	STRAW OR HAY MULCH	SY			8,325.000								14,449.000	
	164-6035	DRILL SEEDING (PERM) (RURAL) (CLAY)	SY	104,940.000				24,604.000		45,000.000		96,069.000			
	164-6051	DRILL SEED (TEMP)(WARM OR COOL)	SY	104,940.000				24,604.000		45,000.000		96,069.000			
	164-6066	DRILL SEEDING (PERM)(WARM OR COOL)	SY			8,325.000								14,449.000	
	166-6001	FERTILIZER	AC	43.600		3.000		10.100		18.600		39.600		4.000	
	168-6001	VEGETATIVE WATERING	MG	3,277.000		22.000		767.640		1,404.000		2,997.340		35.820	
	216-6001	PROOF ROLLING	HR	12.000		18.000		11.000		6.000		57.000		81.000	
	247-6041	FL BS (CMP IN PLC)(TYA GR1-2)(FNAL POS)	CY	14,040.000		12,738.000		8,934.000		6,761.000		17,779.000		22,848.000	
	251-6035	REWORK BS MTL (TY C) (6") (DENS CONT)	SY			25.000								131.000	
	310-6009	PRIME COAT (MC-30)	GAL	16,852.000		13,700.000		10,720.000		8,115.000		20,198.000		29,767.000	
	354-6021	PLANE ASPH CONC PAV(0" TO 2")	SY												
	354-6045	PLANE ASPH CONC PAV (2")	SY												
	360-6004	CONC PVMT (CONT REINF - CRCP) (10")	SY									55,771.000		99,972.000	
	360-6006	CONC PVMT (CONT REINF - CRCP) (12")	SY	84,529.000		67,117.000		53,137.000		41,878.000		32,326.000		12,501.000	
	360-6043	CONC PVMT (CONT REINF)(FAST TRK)(13")	SY					8,033.000				6,332.000		26,016.000	
	360-6080	CONC PVMT(CRCP)(TRANSITION SLAB)	SY												



REVISED 7/24/2023

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Report Created On: Jul 25, 2023 5:03:24 PM

DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	400-6002	STRUCT EXCAV (BOX)	CY			10,092.000		2,740.000		2,511.000				9,659.000	
	400-6005	CEM STABIL BKFL	CY	3,543.000		10,360.700		8,902.000		2,378.000		2,158.000		13,709.000	
	400-6008	CUT & RESTORE ASPH PAVING	SY					253.000						3,771.000	
	401-6001	FLOWABLE BACKFILL	CY			1,395.000		1,005.000		583.000				1,526.000	
	402-6001	TRENCH EXCAVATION PROTECTION	LF	2,509.000		8,832.000		8,736.000		2,791.000		3,256.000		13,069.000	
	403-6001	TEMPORARY SPL SHORING	SF	8,470.000		2,092.000		17,206.000		629.000		6,302.000		23,188.000	
	416-6002	DRILL SHAFT (24 IN)	LF					18.000				24.000			
	416-6003	DRILL SHAFT (30 IN)	LF					800.000						360.000	
	416-6004	DRILL SHAFT (36 IN)	LF	1,066.000		975.000		1,246.000		1,184.000				270.000	
	416-6005	DRILL SHAFT (42 IN)	LF					22.000						44.000	
	416-6006	DRILL SHAFT (48 IN)	LF	492.000		600.000		660.000		678.000					
	416-6007	DRILL SHAFT (54 IN)	LF											19.000	
	416-6008	DRILL SHAFT (60 IN)	LF											416.000	
	416-6012	DRILL SHAFT (84 IN)	LF											285.000	
	416-6015	DRILL SHAFT (NON - REINFORCED) (12 IN)	LF					21.000						21.000	
	416-6021	DRILL SHAFT (SIGN MTS) (42 IN)	LF					56.000						190.000	
	416-6022	DRILL SHAFT (SIGN MTS) (48 IN)	LF									19.000		63.000	
	416-6023	DRILL SHAFT (SIGN MTS) (54 IN)	LF					44.000							
	416-6026	DRILL SHAFT (HIGH MAST POLE) (60 IN)	LF					150.000				20.000		420.000	
	416-6030	DRILL SHAFT (TRF SIG POLE) (24 IN)	LF									72.000			
	416-6032	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF									14.000		14.000	
	416-6034	DRILL SHAFT (TRF SIG POLE) (48 IN)	LF									66.000		154.000	
	420-6011	CL B CONC (FLUME)	CY											6.000	
	420-6013	CL C CONC (ABUT)	CY	121.700		119.100		130.900		120.000				27.200	
	420-6029	CL C CONC (CAP)	CY	297.000		303.300		335.400		295.400				469.600	
	420-6037	CL C CONC (COLUMN)	CY	94.400		118.100		150.000		88.600				247.900	
	420-6066	CL C CONC (RAIL FOUNDATION)	CY											44.000	
	422-6001	REINF CONC SLAB	SF	42,761.000		44,133.000		47,713.000		42,599.000				30,709.000	
	422-6015	APPROACH SLAB	CY	259.500		268.100		263.800		241.100				46.000	
	423-6001	RETAINING WALL (MSE)	SF	110,780.000		104,956.000		122,842.000		86,578.000		2,584.000		15,454.000	
	425-6038	PRESTR CONC GIRDER (TX46)	LF	5,311.350		5,720.560		5,878.600		5,418.000				4,543.850	
	431-6003	PNEUMATICALLY PLACED CONCRETE (2")	SF					695.000						1,390.000	
	432-6001	RIPRAP (CONC)(4 IN)	CY	123.000		726.000		1,039.000		50.000		514.000		957.000	
	432-6002	RIPRAP (CONC)(5 IN)	CY											8,088.000	
	432-6003	RIPRAP (CONC)(6 IN)	CY			456.000		106.000		116.000				890.000	
	432-6008	RIPRAP (CONC)(CL B)(RR8&RR9)	CY	13.000		14.000		14.000		11.000				1.000	
	432-6009	RIPRAP (CONC) (CL B) (4")	CY					45.800						49.800	



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DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78A



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	432-6010	RIPRAP (CONC)(CL B)(5 IN)	CY			282.000								451.000	
	432-6024	RIPRAP (STONE COMMON)(DRY)(12 IN)	CY			2,620.000		1,565.000		526.000				3,255.000	
	432-6045	RIPRAP (MOW STRIP)(4 IN)	CY	313.300		182.700		161.000		205.400		14.000		89.300	
	450-6030	RAIL (TY C221)	LF											226.000	
	450-6052	RAIL (HANDRAIL)(TY F)	LF									1,472.000		1,270.000	
	450-6062	RAIL (TY SSTR)(MOD)	LF	7,231.200		8,419.000		9,260.000		4,925.000		1,733.000		6,287.300	
	450-6064	RAIL (TY SSTR) (W/DRAIN SLOTS) (MOD)	LF	965.000		1,483.000		5,436.000							
	454-6018	SEALED EXPANSION JOINT (4 IN) (SEJ - M)	LF	253.000		252.000		274.000		250.000				199.000	
	462-6007	CONC BOX CULV (5 FT X 3 FT)	LF											342.000	
	462-6014	CONC BOX CULV (7 FT X 3 FT)	LF			2,685.000									
	462-6019	CONC BOX CULV (8 FT X 4 FT)	LF			833.000		1,436.000						1,687.000	
	462-6020	CONC BOX CULV (8 FT X 5 FT)	LF							1,110.000					
	462-6159	CONC BOX CULV (9FT X 4FT)	LF											1,059.000	
	464-6003	RC PIPE (CL III)(18 IN)	LF	81.000		233.000		337.000		172.000		13.000		68.000	
	464-6005	RC PIPE (CL III)(24 IN)	LF	5,405.000		11,359.000		12,214.000		2,541.000		3,957.000		10,786.000	
	464-6007	RC PIPE (CL III)(30 IN)	LF	1,078.000		2,442.000		2,476.000		320.000		453.000		2,897.000	
	464-6008	RC PIPE (CL III)(36 IN)	LF			1,868.000		1,977.000						3,894.000	
	464-6009	RC PIPE (CL III)(42 IN)	LF					169.000		62.000				2,682.000	
	464-6010	RC PIPE (CL III)(48 IN)	LF			1,233.000		264.000						1,706.000	
	464-6018	RC PIPE (CL IV)(24 IN)	LF	177.000		398.000		90.000		430.000					
	464-6021	RC PIPE (CL IV)(42 IN)	LF							460.000					
	464-6026	RC PIPE (CL V)(24 IN)	LF					121.000		241.000					
	465-6002	MANH (COMPL)(PRM)(48IN)	EA			1.000		3.000				1.000		1.000	
	465-6003	MANH (COMPL)(PRM)(60IN)	EA					1.000							
	465-6004	MANH (COMPL)(PRM)(72IN)	EA											2.000	
	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	EA	6.000		17.000		18.000		8.000		3.000		7.000	
	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	EA											3.000	
	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	EA			2.000		5.000						3.000	
	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	EA					2.000						2.000	
	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	EA			27.000		33.000				9.000		34.000	
	465-6018	INLET (COMPL)(PCO)(4FT)(LEFT)	EA											5.000	
	465-6019	INLET (COMPL)(PCO)(4FT)(RIGHT)	EA											3.000	
	465-6020	INLET (COMPL)(PCO)(4FT)(BOTH)	EA			16.000		15.000		1.000		2.000		28.000	
	465-6022	INLET (COMPL)(PCO)(5FT)(LEFT)	EA											3.000	
	465-6023	INLET (COMPL)(PCO)(5FT)(RIGHT)	EA											3.000	
	465-6024	INLET (COMPL)(PCO)(5FT)(BOTH)	EA					3.000						13.000	
	465-6027	INLET (COMPL)(PCO)(6FT)(RIGHT)	EA			1.000									



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	465-6028	INLET (COMPL)(PCO)(6FT)(BOTH)	EA			2.000									
	465-6062	INLET (COMPL)(PSL)(RH)(3FTX3FT)	EA			4.000								6.000	
	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	EA	6.000		14.000		14.000		5.000				2.000	
	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	EA			10.000		1.000		1.000				11.000	
	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	EA			1.000		2.000						5.000	
	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	EA	1.000		8.000								2.000	
	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	EA			7.000								1.000	
	465-6146	INLET(COMPL)(PSL)(SFG)(3FTX3FT-3FTX3FT)	EA	1.000		4.000		19.000		7.000		9.000		1.000	
	465-6147	INLET(COMPL)(PSL)(SFG)(4FTX4FT-4FTX4FT)	EA	25.000		1.000		7.000		6.000					
	465-6235	INLET (COMPL)(RWI)(TY I)	EA	3.000				2.000						1.000	
	465-6236	INLET (COMPL)(RWI)(TY II)	EA	3.000		16.000		16.000		8.000		1.000		6.000	
	465-6560	INL(CMP)(PAZD-CZ)(FG)(4FTX4FT-4FTX4FT)	EA	7.000		17.000		15.000		6.000		6.000		14.000	
	465-6562	INL(CMP)(PAZD-CZ)(FG)(5FTX5FT-4FTX4FT)	EA	4.000						1.000				1.000	
	466-6134	HEADWALL (CH - PW - S) (DIA= 36 IN)	EA					2.000							
	466-6180	WINGWALL (PW - 1) (HW=5 FT)	EA					2.000							
	466-6181	WINGWALL (PW - 1) (HW=6 FT)	EA			6.000								2.000	
	466-6182	WINGWALL (PW - 1) (HW=7 FT)	EA							2.000				2.000	
	466-6183	WINGWALL (PW - 1) (HW=8 FT)	EA											3.000	
	466-6184	WINGWALL (PW - 1) (HW=9 FT)	EA					2.000						1.000	
	466-6210	WINGWALL (SW - 0) (HW=7 FT)	EA											2.000	
	467-6270	SET (TY I)(S= 8 FT)(HW= 4 FT)(4:1) (C)	EA			2.000									
	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	EA	1.000		7.000		2.000				4.000		9.000	
	467-6391	SET (TY II) (24 IN) (RCP) (4: 1) (P)	EA	4.000		15.000		26.000				8.000		22.000	
	467-6419	SET (TY II) (30 IN) (RCP) (4: 1) (C)	EA			2.000									
	467-6420	SET (TY II) (30 IN) (RCP) (4: 1) (P)	EA					7.000							
	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	EA			2.000								7.000	
	467-6451	SET (TY II) (36 IN) (RCP) (4: 1) (P)	EA					1.000						3.000	
	467-6463	SET (TY II) (42 IN) (RCP) (4: 1) (C)	EA							1.000					
	467-6477	SET (TY II) (48 IN) (RCP) (4: 1) (C)	EA			2.000		1.000						1.000	
	467-6478	SET (TY II) (48 IN) (RCP) (4: 1) (P)	EA											2.000	
	471-6007	GRATE AND FRAME (BRIDGE DRAIN)	EA	7.000											
	496-6002	REMOV STR (INLET)	EA	53.000		24.000		32.000		32.000		2.000			
	496-6003	REMOV STR (MANHOLE)	EA			1.000		16.000		4.000					
	496-6004	REMOV STR (SET)	EA			11.000		19.000				2.000			
	496-6005	REMOV STR (WINGWALL)	EA	6.000						5.000					
	496-6006	REMOV STR (HEADWALL)	EA	5.000		7.000		2.000							
	496-6007	REMOV STR (PIPE)	LF	1.000		4,704.000		5,270.000		3.000		781.000			



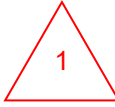
Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	496-6008	REMOV STR (BOX CULVERT)	LF	7,640.000		1,120.000		3,000.000		4,708.000		1,318.000			
	496-6043	REMOV STR (SMALL FENCE)	LF	907.000		5,229.000		833.000		247.000					
	496-6093	REMOV STR (MASONARY)	LF	9,761.000				36.000		6,711.000					
	500-6001	MOBILIZATION	LS	1.000											
	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	9.000		7.000		7.000		5.000		5.000		15.000	
	506-6002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	1,190.000				48.000		288.000		1,158.000			
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	1,190.000				48.000		288.000		1,158.000			
	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	1,221.000				444.000		333.000		888.000			
	506-6024	CONSTRUCTION EXITS (REMOVE)	SY	1,221.000				444.000		333.000		888.000			
	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	70.000				364.000		364.000		10,886.000			
	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	70.000				364.000		364.000		10,886.000			
	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	LF	4,383.000				1,032.000		1,464.000		1,672.000			
	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	LF	4,383.000				1,032.000		1,464.000		1,672.000			
	508-6001	CONSTRUCTING DETOURS	SY					19,115.000		14,183.000		33,616.000			
	512-6001	PORT CTB (FUR & INST)(SGL SLOPE)(TY 1)	LF					1,063.000				4,153.000		9,210.000	
	512-6009	PORT CTB (FUR & INST)(LOW PROF)(TY 1)	LF					164.000						754.000	
	512-6010	PORT CTB (FUR & INST)(LOW PROF)(TY 2)	LF					40.000						200.000	
	512-6025	PORT CTB (MOVE)(SGL SLP)(TY 1)	LF					17,310.000				12,800.000		27,030.000	
	512-6033	PORT CTB (MOVE)(LOW PROF)(TY 1)	LF					956.000						2,348.000	
	512-6034	PORT CTB (MOVE)(LOW PROF)(TY 2)	LF					40.000						100.000	
	512-6049	PORT CTB (REMOVE)(SGL SLP)(TY 1)	LF					10,490.000				630.000		7,160.000	
	512-6057	PORT CTB (REMOVE)(LOW PROF)(TY 1)	LF												
	512-6058	PORT CTB (REMOVE)(LOW PROF)(TY 2)	LF												
	514-6038	PERM CTB (SSCB)(TY 1)(MOD)	LF	6,034.500		5,296.000		4,063.000		3,301.000		1,923.000		1,018.000	
	528-6001	COLORED TEXTURED CONC (4")	SY					207.000				6,761.000		16,652.000	
	529-6002	CONC CURB (TY II)	LF					2,303.000				28,827.000		43,920.000	
	529-6008	CONC CURB & GUTTER (TY II)	LF												
	529-6010	CONC CURB (U-TURN)	LF									1,164.000		2,487.000	
	529-6022	CONC CURB (DOWEL) (TY II)	LF									800.000			
	530-6004	DRIVEWAYS (CONC)	SY					119.000				4,626.000		3,398.000	
	530-6025	DRIVEWAYS (CONC) (FAST TRACK)	SY												
	531-6001	CONC SIDEWALKS (4")	SY					928.000				4,454.000		9,447.000	
	531-6004	CURB RAMPS (TY 1)	EA					2.000						11.000	
	531-6005	CURB RAMPS (TY 2)	EA					2.000				4.000		10.000	
	531-6006	CURB RAMPS (TY 3)	EA											4.000	
	531-6009	CURB RAMPS (TY 6)	EA											1.000	
	531-6010	CURB RAMPS (TY 7)	EA											2.000	



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DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78D



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	531-6013	CURB RAMPS (TY 10)	EA											6.000	
	531-6016	CURB RAMPS (TY 21)	EA					1.000						8.000	
	531-6017	CURB RAMPS (TY 22)	EA					4.000							
	540-6001	MTL W-BEAM GD FEN (TIM POST)	LF											25.000	
	540-6006	MTL BEAM GD FEN TRANS (THRIE-BEAM)	EA											1.000	
	542-6001	REMOVE METAL BEAM GUARD FENCE	LF			628.000		446.000				5,537.000			
	542-6003	REMOVE DOWNSTREAM ANCHOR TERMINAL	EA												
	544-6001	GUARDRAIL END TREATMENT (INSTALL)	EA											1.000	
	544-6003	GUARDRAIL END TREATMENT (REMOVE)	EA			4.000									
	545-6003	CRASH CUSH ATTEN (MOVE & RESET)	EA					31.000				22.000		38.000	
	545-6005	CRASH CUSH ATTEN (REMOVE)	EA					9.000				3.000		6.000	
	545-6007	CRASH CUSH ATTEN (INSTL)(L)(N)(TL3)	EA	7.000		3.000		3.000		1.000		4.000		1.000	
	545-6019	CRASH CUSH ATTEN (INSTL)(S)(N)(TL3)	EA											10.000	
	550-6001	CHAIN LINK FENCE (INSTALL) (6')	LF			3,096.000								4,430.000	
	550-6006	GATE (REMOVE)	EA			2.000		1.000				2.000			
	550-6028	GATE (INSTALL)(DOUBLE)(6'X22')	EA			2.000								3.000	
	610-6106	IN RD IL (U/P) (TY 2) (150W EQ) LED	EA					12.000						24.000	
	618-6023	CONDT (PVC) (SCH 40) (2")	LF					5,290.000				2,299.000		9,658.000	
	618-6033	CONDT (PVC) (SCH 40) (4")	LF									516.000		2,327.000	
	618-6046	CONDT (PVC) (SCH 80) (2")	LF					3,536.000				690.000		8,790.000	
	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	LF					1,706.000				231.000		4,490.000	
	618-6059	CONDT (PVC) (SCH 80) (4") (BORE)	LF									870.000		1,261.000	
	618-6066	CONDT (RM) (1 1/4")	LF					505.000						1,235.000	
	620-6002	ELEC CONDR (NO.14) INSULATED	LF					5,875.000				1,920.000		10,350.000	
	620-6005	ELEC CONDR (NO.10) BARE	LF					628.000						1,475.000	
	620-6006	ELEC CONDR (NO.10) INSULATED	LF					1,256.000						2,950.000	
	620-6007	ELEC CONDR (NO.8) BARE	LF					465.000						870.000	
	620-6008	ELEC CONDR (NO.8) INSULATED	LF					6,470.000				1,920.000		12,265.000	
	620-6009	ELEC CONDR (NO.6) BARE	LF					4,219.000				2,621.000		15,758.000	
	620-6010	ELEC CONDR (NO.6) INSULATED	LF					8,438.000				2,314.000		23,760.000	
	621-6002	TRAY CABLE (3 CONDR) (12 AWG)	LF									2,046.000		2,242.000	
	624-6008	GROUND BOX TY C (162911)W/APRON	EA									15.000		29.000	
	624-6009	GROUND BOX TY D (162922)	EA					4.000						8.000	
	624-6010	GROUND BOX TY D (162922)W/APRON	EA					19.000				7.000		53.000	
	624-6028	REMOVE GROUND BOX	EA					20.000				7.000		41.000	
	628-6002	REMOVE ELECTRICAL SERVICES	EA					2.000				1.000			
	628-6045	ELC SRV TY A 240/480 060(NS)SS(E)SP(O)	EA					1.000				2.000		2.000	



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

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CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	628-6076	ELC SRV TY A 240/480 100(NS)SS(E)SP(O)	EA												
	628-6124	ELC SRV TY D 120/240 060(NS)GS(L)SP(O)	EA									1.000		2.000	
	628-6152	ELC SRV TY D 120/240 060(NS)SS(N)SP(O)	EA					2.000							
	628-6194	ELC SRV TY D 120/240 070(NS)SS(N)SP(O)	EA											1.000	
	636-6002	ALUMINUM SIGNS (TY G)	SF					191.000				209.000		90.000	
	636-6003	ALUMINUM SIGNS (TY O)	SF					504.000						1,028.000	
	644-6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA					1.000				39.000		45.000	
	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA					11.000				21.000		36.000	
	644-6007	IN SM RD SN SUP&AM TY10BWG(1)SA(U)	EA											1.000	
	644-6009	IN SM RD SN SUP&AM TY10BWG(1)SB(P)	EA											10.000	
	644-6012	IN SM RD SN SUP&AM TY10BWG(1)SB(T)	EA											5.000	
	644-6027	IN SM RD SN SUP&AM TYS80(1)SA(P)	EA					1.000							
	644-6030	IN SM RD SN SUP&AM TYS80(1)SA(T)	EA					3.000				3.000		1.000	
	644-6033	IN SM RD SN SUP&AM TYS80(1)SA(U)	EA									4.000			
	644-6042	IN SM RD SN SUP&AM TYS80(1)SB(T)	EA											1.000	
	644-6044	IN SM RD SN SUP&AM TYS80(1)SB(U)	EA											8.000	
	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	EA									2.000		4.000	
	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	EA									2.000		4.000	
	644-6066	IN SM RD SN SUP&AM (RAIL MOUNT)	EA					5.000						13.000	
	644-6068	RELOCATE SM RD SN SUP&AM TY 10BWG	EA									4.000		1.000	
	644-6076	REMOVE SM RD SN SUP&AM	EA									37.000		56.000	
	647-6001	INSTALL LRSS (STRUCT STEEL)	LB					1,114.000				776.000		589.000	
	647-6003	REMOVE LRSA	EA												
	650-6025	INS OH SN SUP(25 FT CANT)	EA												
	650-6028	INS OH SN SUP(30 FT BAL TEE)	EA											1.000	
	650-6032	INS OH SN SUP(30 FT CANT)	EA					1.000				1.000		3.000	
	650-6038	INS OH SN SUP(35 FT CANT)	EA											1.000	
	650-6045	INS OH SN SUP(40 FT CANT)	EA					1.000							
	650-6154	INS OH SN SUP(145 FT BRDG)	EA											3.000	
	650-6159	INS OH SN SUP(150 FT BRDG)	EA					1.000							
	650-6204	REMOVE OVERHD SIGN SUP	EA												
	658-6013	INSTL DEL ASSM (D-SW)SZ (BRF)CTB	EA					93.000				9.000		159.000	
	658-6026	INSTL DEL ASSM (D-SY)SZ (BRF)CTB	EA					6.000						26.000	
	658-6027	INSTL DEL ASSM (D-SY)SZ (BRF)CTB (BI)	EA					40.000				64.000		97.000	
	658-6028	INSTL DEL ASSM (D-SY)SZ (BRF)GF1	EA									34.000		20.000	
	658-6047	INSTL OM ASSM (OM-2Y)(WC)GND	EA									14.000		17.000	
	658-6060	REMOVE DELIN & OBJECT MARKER ASSMS	EA									50.000			



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DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78F



CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

Estimate & Quantity Sheet

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CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	658-6088	INSTL DEL ASSM (D-SY)SZ 1(YFLX)SRF	EA											657.000	
	662-6001	WK ZN PAV MRK NON-REMOV (W)4"(BRK)	LF											1,749.000	
	662-6004	WK ZN PAV MRK NON-REMOV (W)4"(SLD)	LF									1,324.000		4,706.000	
	662-6012	WK ZN PAV MRK NON-REMOV (W)8"(SLD)	LF									132.000		990.000	
	662-6019	WK ZN PAV MRK NON-REMOV (W)(ENTR GORE)	EA												
	662-6034	WK ZN PAV MRK NON-REMOV (Y)4"(SLD)	LF									2,144.000		4,304.000	
	662-6052	WK ZN PAV MRK REMOV (REFL) TY II-C-R	EA					1,023.000				714.000		3,708.000	
	662-6060	WK ZN PAV MRK REMOV (W)4"(BRK)	LF					8,286.000				6,826.000		23,459.000	
	662-6061	WK ZN PAV MRK REMOV (W)4"(DOT)	LF					349.000				280.000		1,091.000	
	662-6063	WK ZN PAV MRK REMOV (W)4"(SLD)	LF					27,118.000				24,534.000		89,093.000	
	662-6069	WK ZN PAV MRK REMOV (W)8"(DOT)	LF												
	662-6071	WK ZN PAV MRK REMOV (W)8"(SLD)	LF					9,692.000				404.000		12,962.000	
	662-6075	WK ZN PAV MRK REMOV (W)24"(SLD)	LF					3,507.000				259.000		3,058.000	
	662-6080	WK ZN PAV MRK REMOV (W)(ARROW)	EA					73.000				10.000		142.000	
	662-6081	WK ZN PAV MRK REMOV (W)(DBL ARROW)	EA					21.000				2.000		32.000	
	662-6082	WK ZN PAV MRK REMOV (W)(ENTR GORE)	EA												
	662-6083	WK ZN PAV MRK REMOV (W)(EXIT GORE)	EA												
	662-6089	WK ZN PAV MRK REMOV (W)(UTURN ARROW)	EA												
	662-6090	WK ZN PAV MRK REMOV (W)(WORD)	EA					61.000				8.000		72.000	
	662-6091	WK ZN PAV MRK REMOV (W)18"(YLD TRI)	EA					30.000						89.000	
	662-6094	WK ZN PAV MRK REMOV (Y)4"(DOT)	LF					266.000						248.000	
	662-6095	WK ZN PAV MRK REMOV (Y)4"(SLD)	LF					36,097.000				21,671.000		105,399.000	
	662-6100	WK ZN PAV MRK REMOV (Y)12"(SLD)	LF					2,777.000				262.000		3,667.000	
	666-6018	REFL PAV MRK TY I (W)6"(DOT)(100MIL)	LF					208.000				634.000		578.000	
	666-6030	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF									508.000		341.000	
	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF									3,416.000		11,291.000	
	666-6039	REFL PAV MRK TY I (W)12"(LNDP)(100MIL)	LF					579.000						468.000	
	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	LF					1,407.000				1,418.000		4,520.000	
	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF									1,215.000		2,743.000	
	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	EA					4.000				18.000		54.000	
	666-6057	REFL PAV MRK TY I(W)(DBL ARROW)(100MIL)	EA									4.000		11.000	
	666-6063	REFL PAV MRK TY I(W)(UTURN ARW)(100MIL)	EA									2.000		8.000	
	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	EA					2.000				23.000		62.000	
	666-6081	REFL PAV MRK TY I(W)(ENTR GORE)(100MIL)	EA					2.000				3.000		6.000	
	666-6084	REFL PAV MRK TY I(W)(EXIT GORE)(100MIL)	EA					2.000				3.000		8.000	
	666-6099	REF PAV MRK TY I(W)18"(YLD TRI)(100MIL)	EA									37.000		95.000	
	666-6141	REFL PAV MRK TY I (Y)12"(SLD)(100MIL)	LF									325.000		790.000	



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DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78G



CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

Estimate & Quantity Sheet

CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	666-6162	RE PV MRK TY I(BLACK)6"(SHADOW)(100MIL)	LF					4,109.000				7,108.000		17,505.000	
	666-6225	PAVEMENT SEALER 6"	LF					35,724.000				64,162.000		143,625.000	
	666-6226	PAVEMENT SEALER 8"	LF									3,924.000		11,632.000	
	666-6228	PAVEMENT SEALER 12"	LF					1,986.000				1,873.000		5,873.000	
	666-6230	PAVEMENT SEALER 24"	LF									1,150.000		2,743.000	
	666-6231	PAVEMENT SEALER (ARROW)	EA					4.000				18.000		54.000	
	666-6232	PAVEMENT SEALER (WORD)	EA					2.000				23.000		62.000	
	666-6234	PAVEMENT SEALER (DBL ARROW)	EA									4.000		11.000	
	666-6236	PAVEMENT SEALER (UTURN ARROW)	EA									2.000		8.000	
	666-6239	PAVEMENT SEALER (ENTR GORE)	EA					2.000				3.000		6.000	
	666-6240	PAVEMENT SEALER (EXIT GORE)	EA					2.000				3.000		8.000	
	666-6243	PAVEMENT SEALER (YLD TRI)	EA									37.000		95.000	
	666-6306	RE PM W/RET REQ TY I (W)6"(BRK)(100MIL)	LF					4,109.000				7,108.000		19,226.000	
	666-6309	RE PM W/RET REQ TY I (W)6"(SLD)(100MIL)	LF					13,793.000				18,874.000		48,034.000	
	666-6318	RE PM W/RET REQ TY I (Y)6"(BRK)(100MIL)	LF									1,801.000		2,250.000	
	666-6321	RE PM W/RET REQ TY I (Y)6"(SLD)(100MIL)	LF					13,505.000				28,638.000		56,082.000	
	672-6007	REFL PAV MRKR TY I-C	EA									159.000		374.000	
	672-6009	REFL PAV MRKR TY II-A-A	EA											92.000	
	672-6010	REFL PAV MRKR TY II-C-R	EA					557.000				659.000		1,913.000	
	677-6001	ELIM EXT PAV MRK & MRKS (4")	LF					47,923.000				22,259.000		105,902.000	
	677-6003	ELIM EXT PAV MRK & MRKS (8")	LF					1,769.000				133.000		3,670.000	
	677-6005	ELIM EXT PAV MRK & MRKS (12")	LF											14.000	
	677-6007	ELIM EXT PAV MRK & MRKS (24")	LF					17.000				99.000		23.000	
	677-6008	ELIM EXT PAV MRK & MRKS (ARROW)	EA									3.000		20.000	
	678-6002	PAV SURF PREP FOR MRK (6")	LF					35,724.000				64,162.000		143,675.000	
	678-6004	PAV SURF PREP FOR MRK (8")	LF									3,924.000		11,632.000	
	678-6006	PAV SURF PREP FOR MRK (12")	LF					1,986.000				1,873.000		5,873.000	
	678-6008	PAV SURF PREP FOR MRK (24")	LF									1,150.000		2,743.000	
	678-6009	PAV SURF PREP FOR MRK (ARROW)	EA					4.000				18.000		54.000	
	678-6010	PAV SURF PREP FOR MRK (DBL ARROW)	EA									4.000		11.000	
	678-6012	PAV SURF PREP FOR MRK (UTURN ARR)	EA									2.000		8.000	
	678-6016	PAV SURF PREP FOR MRK (WORD)	EA					2.000				23.000		62.000	
	678-6017	PAV SURF PREP FOR MRK (ENTR GORE)	EA					2.000				3.000		7.000	
	678-6018	PAV SURF PREP FOR MRK (EXIT GORE)	EA					2.000				3.000		7.000	
	678-6022	PAV SURF PREP FOR MRK (18")(YLD TRI)	EA									37.000		95.000	
	680-6003	INSTALL HWY TRF SIG (SYSTEM)	EA									1.000		2.000	
	680-6004	REMOVING TRAFFIC SIGNALS	EA									3.000		2.000	



DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78H

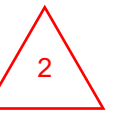


Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb



CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	681-6001	TEMP TRAF SIGNALS	EA									1.000		2.000	
	682-6001	VEH SIG SEC (12")LED(GRN)	EA									18.000		32.000	
	682-6002	VEH SIG SEC (12")LED(GRN ARW)	EA									3.000		8.000	
	682-6003	VEH SIG SEC (12")LED(YEL)	EA									18.000		32.000	
	682-6004	VEH SIG SEC (12")LED(YEL ARW)	EA									3.000		4.000	
	682-6005	VEH SIG SEC (12")LED(RED)	EA									18.000		32.000	
	682-6006	VEH SIG SEC (12")LED(RED ARW)	EA									1.000		4.000	
	682-6018	PED SIG SEC (LED)(COUNTDOWN)	EA									12.000		24.000	
	682-6054	BACKPLATE W/REF BRDR(3 SEC)(VENT)ALUM	EA									17.000		32.000	
	682-6055	BACKPLATE W/REF BRDR(4 SEC)(VENT)ALUM	EA											4.000	
	682-6056	BACKPLATE W/REF BRDR(5 SEC)(VENT)ALUM	EA									2.000			
	684-6007	TRF SIG CBL (TY A)(12 AWG)(2 CONDR)	LF									2,948.000		6,480.000	
	684-6009	TRF SIG CBL (TY A)(12 AWG)(4 CONDR)	LF									2,948.000		6,480.000	
	684-6010	TRF SIG CBL (TY A)(12 AWG)(5 CONDR)	LF									770.000		1,430.000	
	684-6012	TRF SIG CBL (TY A)(12 AWG)(7 CONDR)	LF									120.000		420.000	
	684-6014	TRF SIG CBL (TY A)(12 AWG)(9 CONDR)	LF									1,812.000		2,283.000	
	685-6003	REMOVE RDS FLASH BEACON ASSEMBLY	EA									1.000			
	685-6006	REMOV RDS FLSH BCN AM (SOLAR PWRD)	EA									3.000			
	686-6043	INS TRF SIG PL AM(S)1 ARM(40')LUM	EA												
	686-6047	INS TRF SIG PL AM(S)1 ARM(44')LUM	EA									1.000		1.000	
	686-6055	INS TRF SIG PL AM(S)1 ARM(50')LUM	EA												
	686-6059	INS TRF SIG PL AM(S)1 ARM(55')LUM	EA											3.000	
	686-6067	INS TRF SIG PL AM(S)1 ARM(65')LUM	EA									1.000			
	686-6187	INS TRF SIG PL AM(S)2 ARM(50-36')LUM	EA											1.000	
	686-6219	INS TRF SIG PL AM(S)2 ARM(55-40')LUM	EA									1.000			
	686-6223	INS TRF SIG PL AM(S)2 ARM(55-44')LUM	EA											2.000	
	686-6251	INS TRF SIG PL AM(S)2 ARM(60-44')LUM	EA											1.000	
	686-6275	INS TRF SIG PL AM(S)2 ARM(65-40')LUM	EA									1.000			
	687-6001	PED POLE ASSEMBLY	EA									12.000		24.000	
	690-6009	REMOVAL OF CABLES	LF					5,140.000				1,865.000		10,260.000	
	730-6107	FULL - WIDTH MOWING	CYC	1.500		1.000		1.000		1.000		1.000		2.500	
	734-6002	LITTER REMOVAL	CYC	8.500		7.500		7.500		4.000		4.000		15.500	
	738-6001	CLEANING / SWEEPING (CENTER MEDIAN)	CYC	2.000		2.000		2.000		1.000		1.000		4.000	
	738-6003	CLEANING / SWEEPING (OUTSIDE MAIN LANE)	CYC	2.000		2.000		2.000		1.000		1.000		4.000	
	740-6004	ANTI - GRAFFITI COATING(PERMNENT-TY II)	SF	84,602.000		84,029.000		106,668.000		63,796.000		1,742.000		11,870.000	
	3012-6001	GRINDING	SY					8,033.000				3,694.000		24,749.000	
	3021-6001	WIDE FLANGE PAVEMENT TERMINALS	LF			252.000								48.000	



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DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	781



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

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CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	3075-6001	GEOGRID BASE REINFORCEMENT	SY			4,758.000								7,095.000	
	3076-6002	D-GR HMA TY-B SAC-B PG64-22	TON	18,536.000		16,439.000		15,146.000		8,926.000		38,590.000		40,586.000	
	3076-6042	D-GR HMA TY-D SAC-B PG70-22	TON									1,304.000		1,880.000	
	3077-6007	SP MIXESSP-BSAC-B PG70-22	TON											156.000	
	3077-6023	SP MIXESSP-CSAC-B PG70-22	TON									2,722.000			
	3080-6007	STONE-MTRX-ASPH SMA-D SAC-A PG76-22	TON											22.000	
	3084-6001	BONDING COURSE	GAL									3,502.000		1,637.000	
	4006-6001	SOUND WALL (14 FT)	LF					530.000							
	4006-6006	SOUND WALL (12 FT)	LF											576.000	
	5116-6001	AMPHIBIAN/REPTILE EXCLUSION FENCE INST	LF	14,076.000						7,476.000		6,298.000			
	5116-6002	AMPHIBIAN/REPTILE EXCLUSION FENCE REM	LF	14,076.000						7,476.000		6,298.000			
	6000-6025	REMOVE ROADWAY ILLUM ASSEMBLY (LED)	EA					5.000				5.000			
	6001-6002	PORTABLE CHANGEABLE MESSAGE SIGN	EA											4.000	
	6007-6010	FIBER OPTIC CBL (SNGLE-MODE)(6 FIBER)	LF					995.000						940.000	
	6007-6015	FIBER OPTIC CBL (SNGLE-MODE)(72 FIBER)	LF					6,590.000				2,220.000		12,255.000	
	6007-6022	FIBER OPTIC PATCH PANEL (6 POSITION)	EA					3.000						5.000	
	6007-6026	FIBER OPTIC CABLE ROAD MARKER	EA					12.000				3.000		23.000	
	6007-6087	FO SPLICE ENCLOSURE (TYPE 1)	EA					3.000						3.000	
	6007-6094	FIBER OPTIC FUSION SPLICE	EA					78.000						14.000	
	6010-6002	CCTV FIELD EQUIPMENT (DIGITAL)	EA					1.000				1.000		4.000	
	6010-6004	CCTV MOUNT (POLE)	EA					2.000						2.000	
	6010-6009	CCTV MOUNT (MAST)	EA									1.000		2.000	
	6010-6011	CCTV FIELD EQUIP (DIGITAL) (INSTL ONLY)	EA					1.000						1.000	
	6010-6013	REMOVE CCTV FIELD EQUIPMENT	EA					2.000						1.000	
	6016-6006	ITS MULTI-DUCT CND (PVC-40)	LF					4,795.000				1,750.000		7,845.000	
	6016-6011	ITS MULTI-DUCT CND (PVC-80)(BORE)	LF					855.000				170.000		2,210.000	
	6028-6001	INSTALL DMS (POLE MTD CABINET)	EA											1.000	
	6054-6002	COAXIAL CABLE	LF									70.000			
	6058-6001	BBU SYSTEM (EXTERNAL BATT CABINET)	EA									1.000		2.000	
	6064-6038	ITS POLE (50 FT)(110 MPH)	EA					1.000						2.000	
	6064-6045	ITS POLE (50 FT)(REM)	EA					2.000						1.000	
	6064-6084	ITS POLE MNT CAB (TY 2)(CONF 2)	EA					1.000						2.000	
	6083-6001	VIDEO IMAGING AND RAD VEH DETECTION SYS	EA									1.000		2.000	
	6156-6007	REPLC LED HI MST IL(6 FIXT)(ASYM)(TY B)	EA												
	6183-6001	ETHERNET/FIBER MEDIA CONV (SM)	EA					3.000				7.000		3.000	
	6185-6002	TMA (STATIONARY)	DAY											100.000	
	6185-6003	TMA (MOBILE OPERATION)	HR											1,000.000	



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DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78J

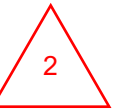


CONTROLLING PROJECT ID 0086-14-075

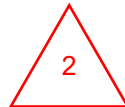
DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

Estimate & Quantity Sheet



CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	6186-6002	ITS GND BOX(PCAST) TY 1 (243636)W/APRN	EA					9.000				3.000		21.000	
	6186-6012	ITS GND BOX(PCAST) TY 2 (366060)W/APRN	EA					4.000						3.000	
	6292-6001	RVDS(PRESENCE DETECTION ONLY)	EA												
	6292-6002	RVDS(ADVANCE DETECTION ONLY)	EA									2.000			
	6293-6002	ATSC (TY 2)	EA									1.000		2.000	
	6304-6007	ITS RVSD (DC ONLY) (REMOVE)	EA					1.000						1.000	
	6306-6001	VIVDS PROSR SYS	EA									1.000			
	6306-6004	VIVDS CAM ASSY 360	EA									1.000			
	6306-6005	VIVDS CNTRL SOFTWARE	EA									1.000			
	6306-6006	VIVDS TEMPORARY	EA									12.000		12.000	
	6306-6007	VIVDS CABLING	LF									3,920.000		3,384.000	
	6310-6008	LED HI MST(150 FT)(80MPH)(6FIXT)(TY A)	EA					1.000				1.000		12.000	
	6310-6009	LED HI MST(150 FT)(80MPH)(6FIXT)(TY A)S	EA					5.000							
	6412-6001	PORTABLE ROADWAY ILLUMINATION	DAY												
	6416-6001	WIRELESS WWD SYSTEM	EA												
	6416-6002	WWD LED SIGNS	EA												
	6423-6007	FIELD HARDENED ETH SW (INSTALL ONLY)	EA					1.000				1.000		2.000	
	6423-6008	ETHERNET SURGE PROTECTOR (INSTALL ONLY)	EA					2.000				1.000		3.000	
	6423-6009	CELLULAR MODEM (INSTALL ONLY)	EA					3.000						3.000	
	6423-6014	CELLULAR MODEM RELOCATE	EA					1.000						1.000	
	6423-6019	CELLULAR MODEM REMOVE	EA					1.000						2.000	
	6476-6001	Remove High Mast Lighting Assembly	EA												
	6476-6002	Relocate High Mast Lighting Assembly	EA												
	7315-6001	12" PVC C-900 DR-14 CI 200 WTR MN	LF												
	7315-6002	12"PVC C-900 DR-14 CI 200 WTR MN RST	LF												
	7315-6003	16"PVC C-905 DR-18 PR-235 WTR MN	LF												
	7315-6004	16"PVC C-905 DR-18 PR-235 WTR MN RST	LF												
	7315-6005	24" PVC C-905 DR-18 PR-235 WTR MN	LF												
	7315-6006	24"PVC C-905 DR-18 PR-235 WTR MN RST	LF												
	7315-6007	16" BUTTERFLY VALVE W/BOX & COVER RST	EA												
	7315-6008	24" BUTTERFLY VALVE W/BOX & COVER RST	EA												
	7315-6009	12" GATE VALVE W/BOX & COVER RST	EA												
	7315-6010	FIRE HYDRANTS, COMPLETE	EA												
	7315-6011	RAISE EXISTING FIRE HYDRANTS	EA												
	7315-6012	6" RPP BACKFLOW ASSEMBLY, COMPLETE	EA												
	7315-6013	TRANSFER/REPAIR WATER SERVICE CONN	EA												
	7315-6014	INTERCONN TO EXIST WTR MAIN (6")	EA												



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Report Created On: Jul 25, 2023 5:03:24 PM

DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78K



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	7315-6015	INTERCONN TO EXIST WTR MAIN (12")	EA												
	7315-6016	INTERCONN TO EXIST WTR MAIN (16")	EA												
	7315-6017	INTERCONN TO EXIST WTR MAIN (24")	EA												
	7315-6018	INTERCONN TO EXIST SWR FORC MN(3"-8")	EA												
	7315-6019	CONC ENCASEMENT, CRADLES,AND SADDLES	CY												
	7315-6020	BORE/CASE 16"PVC IN 24" STL(UND LP 20)	LF												
	7315-6021	BORE/CASE 24" PVC IN 36" STL(UND LP 20)	LF												
	7315-6022	BORE/CASE 10" PVC IN 18" STL(UND CULV)	LF												
	7315-6023	BORE/CASE 12" PVC IN 24" STL(UND CULV)	LF												
	7315-6024	BORE/CASE 18" PVC IN 30" STL(UND LP 20)	LF												
	7315-6025	12"PVC WRT MAIN IN 24"CASING(OPEN CUT)	LF												
	7315-6026	16"PVC WRT MAIN IN 24"CASING(OPEN CUT)	LF												
	7315-6027	24"PVC WTR MAIN IN 36"CASING(OPEN CUT)	LF												
	7315-6028	4"PVC SWR MAIN IN 8"STL CASE(OPEN CUT)	LF												
	7315-6029	8"PVC SWR MAIN W/16"STL CASE(OPEN CUT)	LF												
	7315-6030	18"PVC SWR MAIN W/30"STL CASE(OPEN CT)	LF												
	7315-6031	DUCT IRON MECH JOINT FIT (RESTRAINED)	TON												
	7315-6032	CEMENT STABILIZED, FLOWABLE BACKFILL	CY												
	7315-6033	2" AIR RELEASE/VACUUM VALVES W/VAULT	EA												
	7315-6034	1" AIR RELEASE/VACUUM VALVES W/VAULT	EA												
	7315-6035	16" PRESSURE REDUCING VALVE W/VAULT	LS												
	7315-6036	8"PVC SDR-26 SWR MAIN(DEPTH>20')	LF												
	7315-6037	10"PVC SDR-26 SWR MAIN(DEPTH 6'-10')	LF												
	7315-6038	10"PVC SDR-26 SWR MAIN(DEPTH 10'-14')	LF												
	7315-6039	10"PVC SDR-26 SWR MAIN(DEPTH 14'-20')	LF												
	7315-6040	18"PVC PS-115 SWR MAIN(DEPTH<12')	LF												
	7315-6041	21"PVC PS-115 SWR MAIN(DEPTH<10')	LF												
	7315-6042	4" PVC, DR-18 SEWER FORCE MAIN	LF												
	7315-6043	8" PVC, DR-18 SEWER FORCE MAIN	LF												
	7315-6044	8"PVC DR-18SWR FORCE MAIN(RESTRAINED)	LF												
	7315-6045	12" PVC, DR-18 SEWER FORCE MAIN	LF												
	7315-6046	12" PVC DR-18 SEWER MAIN(RESTRAINED)	LF												
	7315-6047	4"PLUG VALVE W/BOX&COVER(RESTRAINED)	EA												
	7315-6048	8"PLUG VALVE W/BOX&COVER(RESTRAINED)	EA												
	7315-6049	12"PLUG VALVE W/BOX&COVER(RESTRAINED)	EA												
	7315-6050	8" CHECK VALVE W/VAULT	EA												
	7315-6051	INSTALL, TRANSFER & REPAIR SAN SWR LINE	EA												

DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78L



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-075		0086-14-076		0086-14-078		0086-14-079		0086-14-087		0086-14-088	
PROJECT ID				A00119936		A00119937		A00119940		A00119953		A00122845		A00122846	
COUNTY				Webb		Webb		Webb		Webb		Webb		Webb	
HIGHWAY				US 59		US 59		US 59		US 59		US 59		US 59	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	7315-6052	48" SAN SWR MANHOLE (FRP)(6'-10' DEPTH)	EA												
	7315-6053	48" SAN SWR MANHOLE (FRP)(10'-14' DEPTH)	EA												
	7315-6054	48" SAN SWR MANHOLE (FRP)(14'-20' DEPTH)	EA												
	7315-6055	48" SAN SWR MH FRP(14'-20' DEPTH)(DROP)	EA												
	7315-6056	48" SAN SEWER MANHOLE (FRP)(DEPTH>20')	EA												
	7315-6057	48" SWR MANHOLE (FRP)(DEPTH>20')(DROP)	EA												
	7315-6058	60" SAN SWR MANHOLE (FRP)(6'-10' DEPTH)	EA												
	7315-6059	60" SAN SWR MANHOLE (FRP)(10'-18' DEPTH)	EA												
	7315-6060	REMOVE EXIST FRP SWR MANHOLE, COMPLETE	EA												
	7315-6061	REMOVE EXIST CONC SANITARY SWR MANHOLES	EA												
	7315-6062	TIE INTO EXIST ACTIVE SAN SWR MANHOLES	EA												
	7315-6063	8" SANITARY SEWER CLEANOUT	EA												
	7315-6064	RECONST EXIST FRP MANHOLE UPPERBODY&LID	EA												
	7315-6065	SANITARY SEWER BYPASS PIPING OR PUMPING	LS												
	7315-6066	PWR POLE BRACING, AEP ELECTRIC APPROVED	LS												
	7315-6067	REMOV&DISP EXIST 16" PVC WTR LINE, COMPL	LF												
	7315-6068	REMOV&DISP EXIST 24" PVC WTR LINE, COMPL	LF												
	7315-6069	REMOV&DISP EXIST 36" STL CASE&WTR LINE	LF												
	7315-6070	REMOV&DISP EXIST 8" PVC MAIN, COMPLETE	LF												
	7315-6071	REMOV&REPL EXIST CONC SIDEWALK&DRIVEWAY	SF												
	7315-6072	REMOV&REPL HMA PVMT&SW(TRENCH PATCH)	SY												
	7315-6073	REMOVE&REPL CONC PVMT&SW(TRENCH PATCH)	SY												
	7315-6074	SHEET&BRACE (TRENCH EXCAV PROTECTION)	LF												
	16	MATERIAL FURNISHED BY THE STATE (PARTICIPATING)	LS	1.000											
	18	LAW ENFORCEMENT: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS	1.000											
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS	1.000											
		EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (PART)	LS	1.000											



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	100-6002	PREPARING ROW	STA	56.500								267.300	
	100-6004	PREPARING ROW(TREE)(12" TO 24" DIA)	EA									10.000	
	104-6001	REMOVING CONC (PAV)	SY	3,504.000								7,474.000	
	104-6009	REMOVING CONC (RIPRAP)	SY	2,000.000								11,155.000	
	104-6011	REMOVING CONC (MEDIANS)	SY									22.000	
	104-6013	REMOVING CONC (FOUNDATIONS)	SY									3.000	
	104-6017	REMOVING CONC (DRIVEWAYS)	SY	2,128.000								7,053.000	
	104-6021	REMOVING CONC (CURB)	LF	1,785.000								44,633.000	
	104-6022	REMOVING CONC (CURB AND GUTTER)	LF	2,802.000								49,359.000	
	104-6024	REMOVING CONC (RETAINING WALLS)	SY	167.000								1,130.000	
	104-6028	REMOVING CONC (MISC)	SY									34.000	
	104-6036	REMOVING CONC (SIDEWALK OR RAMP)	SY	908.000								25,223.000	
	104-6037	REMOVE CONC (RAIL)	LF									518.000	
	104-6040	REMOVING CONC (PAVERS)	SY									21,611.000	
	104-6044	REMOVING CONC (FLUME)	SY	516.000								533.000	
	104-6065	REMOVE CONC RAIL(PARAPET&METAL EL)	LF									137.000	
	105-6094	REMOVING STAB BASE & ASPH PAV(12"-27")	SY	44,503.000								339,790.000	
	110-6001	EXCAVATION (ROADWAY)	CY	67,028.000								482,067.000	
	132-6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	90,353.000								1,282,653.000	
	132-6044	EMB(FNL)(DC)(TYE)(CSBE)(RWALL END IMPR)	CY									4,688.000	
	160-6003	FURNISHING AND PLACING TOPSOIL (4")	SY	200,371.000								470,984.000	
	162-6003	STRAW OR HAY MULCH	SY	3,886.000								26,660.000	
	164-6035	DRILL SEEDING (PERM) (RURAL) (CLAY)	SY	200,371.000								470,984.000	
	164-6051	DRILL SEED (TEMP)(WARM OR COOL)	SY	200,371.000								470,984.000	
	164-6066	DRILL SEEDING (PERM)(WARM OR COOL)	SY	3,886.000								26,660.000	
	166-6001	FERTILIZER	AC	73.100								192.000	
	168-6001	VEGETATIVE WATERING	MG	6,261.100								14,764.900	
	216-6001	PROOF ROLLING	HR	74.000								259.000	
	247-6041	FL BS (CMP IN PLC)(TYA GR1-2)(FNAL POS)	CY	33,083.000								116,183.000	
	251-6035	REWORK BS MTL (TY C) (6") (DENS CONT)	SY	63.000								219.000	
	310-6009	PRIME COAT (MC-30)	GAL	38,739.000								138,091.000	
	354-6021	PLANE ASPH CONC PAV(0" TO 2")	SY	496.000								496.000	
	354-6045	PLANE ASPH CONC PAV (2")	SY	8,409.000								8,409.000	
	360-6004	CONC PVMT (CONT REINF - CRCP) (10")	SY	101,050.000								256,793.000	
	360-6006	CONC PVMT (CONT REINF - CRCP) (12")	SY	64,297.000								355,985.000	
	360-6043	CONC PVMT (CONT REINF)(FAST TRK)(13")	SY	3,520.000								43,901.000	
	360-6080	CONC PVMT(CRCP)(TRANSITION SLAB)	SY	228.000								228.000	



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DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78N



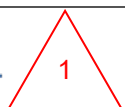
Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

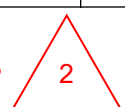
DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	400-6002	STRUCT EXCAV (BOX)	CY	1,934.000								26,936.000	
	400-6005	CEM STABIL BKFL	CY	4,779.000								45,919.700	
	400-6008	CUT & RESTORE ASPH PAVING	SY	1,461.000								5,485.000	
	401-6001	FLOWABLE BACKFILL	CY	419.000								4,928.000	
	402-6001	TRENCH EXCAVATION PROTECTION	LF	4,175.000								43,368.000	
	403-6001	TEMPORARY SPL SHORING	SF	13,691.000								71,578.000	
	416-6002	DRILL SHAFT (24 IN)	LF									42.000	
	416-6003	DRILL SHAFT (30 IN)	LF									1,160.000	
	416-6004	DRILL SHAFT (36 IN)	LF									4,741.000	
	416-6005	DRILL SHAFT (42 IN)	LF	88.000								154.000	
	416-6006	DRILL SHAFT (48 IN)	LF									2,430.000	
	416-6007	DRILL SHAFT (54 IN)	LF	19.000								38.000	
	416-6008	DRILL SHAFT (60 IN)	LF									416.000	
	416-6012	DRILL SHAFT (84 IN)	LF									285.000	
	416-6015	DRILL SHAFT (NON - REINFORCED) (12 IN)	LF	32.000								74.000	
	416-6021	DRILL SHAFT (SIGN MTS) (42 IN)	LF									246.000	
	416-6022	DRILL SHAFT (SIGN MTS) (48 IN)	LF	47.000								129.000	
	416-6023	DRILL SHAFT (SIGN MTS) (54 IN)	LF	87.000								131.000	
	416-6026	DRILL SHAFT (HIGH MAST POLE) (60 IN)	LF	385.000								975.000	
	416-6030	DRILL SHAFT (TRF SIG POLE) (24 IN)	LF	36.000								108.000	
	416-6032	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	39.000								67.000	
	416-6034	DRILL SHAFT (TRF SIG POLE) (48 IN)	LF	66.000								286.000	
	420-6011	CL B CONC (FLUME)	CY	42.000								48.000	
	420-6013	CL C CONC (ABUT)	CY									518.900	
	420-6029	CL C CONC (CAP)	CY									1,700.700	
	420-6037	CL C CONC (COLUMN)	CY									699.000	
	420-6066	CL C CONC (RAIL FOUNDATION)	CY	324.000								368.000	
	422-6001	REINF CONC SLAB	SF									207,915.000	
	422-6015	APPROACH SLAB	CY									1,078.500	
	423-6001	RETAINING WALL (MSE)	SF	21,226.000								464,420.000	
	425-6038	PRESTR CONC GIRDER (TX46)	LF									26,872.360	
	431-6003	PNEUMATICALLY PLACED CONCRETE (2")	SF	478.000								2,563.000	
	432-6001	RIPRAP (CONC)(4 IN)	CY	687.000								4,096.000	
	432-6002	RIPRAP (CONC)(5 IN)	CY	53.000								8,141.000	
	432-6003	RIPRAP (CONC)(6 IN)	CY	220.000								1,788.000	
	432-6008	RIPRAP (CONC)(CL B)(RR8&RR9)	CY									53.000	
	432-6009	RIPRAP (CONC) (CL B) (4")	CY									95.600	



REVISED 7/17/2023



REVISED 7/24/2023

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DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	780



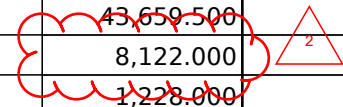
Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	432-6010	RIPRAP (CONC)(CL B)(5 IN)	CY	124.000								857.000	
	432-6024	RIPRAP (STONE COMMON)(DRY)(12 IN)	CY	838.000								8,804.000	
	432-6045	RIPRAP (MOW STRIP)(4 IN)	CY	137.000								1,102.700	
	450-6030	RAIL (TY C221)	LF	1,117.000								1,343.000	
	450-6052	RAIL (HANDRAIL)(TY F)	LF	2,215.000								4,957.000	
	450-6062	RAIL (TY SSTR)(MOD)	LF	5,804.000								43,659.500	
	450-6064	RAIL (TY SSTR) (W/DRAIN SLOTS) (MOD)	LF	238.000								8,122.000	
	454-6018	SEALED EXPANSION JOINT (4 IN) (SEJ - M)	LF									1,228.000	
	462-6007	CONC BOX CULV (5 FT X 3 FT)	LF									342.000	
	462-6014	CONC BOX CULV (7 FT X 3 FT)	LF									2,685.000	
	462-6019	CONC BOX CULV (8 FT X 4 FT)	LF	706.000								4,662.000	
	462-6020	CONC BOX CULV (8 FT X 5 FT)	LF									1,110.000	
	462-6159	CONC BOX CULV (9FT X 4FT)	LF									1,059.000	
	464-6003	RC PIPE (CL III)(18 IN)	LF	23.000								927.000	
	464-6005	RC PIPE (CL III)(24 IN)	LF	6,320.000								52,582.000	
	464-6007	RC PIPE (CL III)(30 IN)	LF									9,666.000	
	464-6008	RC PIPE (CL III)(36 IN)	LF	2,483.000								10,222.000	
	464-6009	RC PIPE (CL III)(42 IN)	LF	174.000								3,087.000	
	464-6010	RC PIPE (CL III)(48 IN)	LF									3,203.000	
	464-6018	RC PIPE (CL IV)(24 IN)	LF									1,095.000	
	464-6021	RC PIPE (CL IV)(42 IN)	LF									460.000	
	464-6026	RC PIPE (CL V)(24 IN)	LF									362.000	
	465-6002	MANH (COMPL)(PRM)(48IN)	EA									6.000	
	465-6003	MANH (COMPL)(PRM)(60IN)	EA	1.000								2.000	
	465-6004	MANH (COMPL)(PRM)(72IN)	EA									2.000	
	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	EA	2.000								61.000	
	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	EA									3.000	
	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	EA	6.000								16.000	
	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	EA	1.000								5.000	
	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	EA	12.000								115.000	
	465-6018	INLET (COMPL)(PCO)(4FT)(LEFT)	EA	7.000								12.000	
	465-6019	INLET (COMPL)(PCO)(4FT)(RIGHT)	EA	2.000								5.000	
	465-6020	INLET (COMPL)(PCO)(4FT)(BOTH)	EA	3.000								65.000	
	465-6022	INLET (COMPL)(PCO)(5FT)(LEFT)	EA	1.000								4.000	
	465-6023	INLET (COMPL)(PCO)(5FT)(RIGHT)	EA									3.000	
	465-6024	INLET (COMPL)(PCO)(5FT)(BOTH)	EA									16.000	
	465-6027	INLET (COMPL)(PCO)(6FT)(RIGHT)	EA									1.000	





Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	465-6028	INLET (COMPL)(PCO)(6FT)(BOTH)	EA									2.000	
	465-6062	INLET (COMPL)(PSL)(RH)(3FTX3FT)	EA									10.000	
	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	EA	1.000								42.000	
	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	EA	2.000								25.000	
	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	EA	2.000								10.000	
	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	EA									11.000	
	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	EA									8.000	
	465-6146	INLET(COMPL)(PSL)(SFG)(3FTX3FT-3FTX3FT)	EA	16.000								57.000	
	465-6147	INLET(COMPL)(PSL)(SFG)(4FTX4FT-4FTX4FT)	EA	1.000								40.000	
	465-6235	INLET (COMPL)(RWI)(TY I)	EA									6.000	
	465-6236	INLET (COMPL)(RWI)(TY II)	EA	2.000								52.000	
	465-6560	INL(CMP)(PAZD-CZ)(FG)(4FTX4FT-4FTX4FT)	EA	12.000								77.000	
	465-6562	INL(CMP)(PAZD-CZ)(FG)(5FTX5FT-4FTX4FT)	EA									6.000	
	466-6134	HEADWALL (CH - PW - S) (DIA= 36 IN)	EA									2.000	
	466-6180	WINGWALL (PW - 1) (HW=5 FT)	EA									2.000	
	466-6181	WINGWALL (PW - 1) (HW=6 FT)	EA									8.000	
	466-6182	WINGWALL (PW - 1) (HW=7 FT)	EA	1.000								5.000	
	466-6183	WINGWALL (PW - 1) (HW=8 FT)	EA	1.000								4.000	
	466-6184	WINGWALL (PW - 1) (HW=9 FT)	EA									3.000	
	466-6210	WINGWALL (SW - 0) (HW=7 FT)	EA									2.000	
	467-6270	SET (TY I)(S= 8 FT)(HW= 4 FT)(4:1) (C)	EA									2.000	
	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	EA	8.000								31.000	
	467-6391	SET (TY II) (24 IN) (RCP) (4: 1) (P)	EA	13.000								88.000	
	467-6419	SET (TY II) (30 IN) (RCP) (4: 1) (C)	EA									2.000	
	467-6420	SET (TY II) (30 IN) (RCP) (4: 1) (P)	EA									7.000	
	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	EA	1.000								10.000	
	467-6451	SET (TY II) (36 IN) (RCP) (4: 1) (P)	EA									4.000	
	467-6463	SET (TY II) (42 IN) (RCP) (4: 1) (C)	EA	1.000								2.000	
	467-6477	SET (TY II) (48 IN) (RCP) (4: 1) (C)	EA									4.000	
	467-6478	SET (TY II) (48 IN) (RCP) (4: 1) (P)	EA									2.000	
	471-6007	GRATE AND FRAME (BRIDGE DRAIN)	EA									7.000	
	496-6002	REMOV STR (INLET)	EA									143.000	
	496-6003	REMOV STR (MANHOLE)	EA									21.000	
	496-6004	REMOV STR (SET)	EA	16.000								48.000	
	496-6005	REMOV STR (WINGWALL)	EA									11.000	
	496-6006	REMOV STR (HEADWALL)	EA	2.000								16.000	
	496-6007	REMOV STR (PIPE)	LF	743.000								11,502.000	



DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78Q



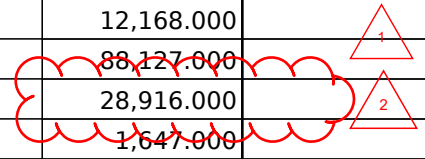
Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	496-6008	REMOV STR (BOX CULVERT)	LF	223.000								18,009.000	
	496-6043	REMOV STR (SMALL FENCE)	LF	3,116.000								10,332.000	
	496-6093	REMOV STR (MASONARY)	LF									16,508.000	
	500-6001	MOBILIZATION	LS									1.000	
	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	14.000								62.000	
	506-6002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	2,491.000								5,175.000	
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	2,491.000								5,175.000	
	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	1,173.000								4,059.000	
	506-6024	CONSTRUCTION EXITS (REMOVE)	SY	1,173.000								4,059.000	
	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	11,381.000								23,065.000	
	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	11,381.000								23,065.000	
	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	LF	3,617.000								12,168.000	
	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	LF	3,617.000								12,168.000	
	508-6001	CONSTRUCTING DETOURS	SY	21,213.000								88,127.000	
	512-6001	PORT CTB (FUR & INST)(SGL SLOPE)(TY 1)	LF	14,490.000								28,916.000	
	512-6009	PORT CTB (FUR & INST)(LOW PROF)(TY 1)	LF	729.000								1,647.000	
	512-6010	PORT CTB (FUR & INST)(LOW PROF)(TY 2)	LF	120.000								360.000	
	512-6025	PORT CTB (MOVE)(SGL SLP)(TY 1)	LF	22,320.000								79,460.000	
	512-6033	PORT CTB (MOVE)(LOW PROF)(TY 1)	LF									3,304.000	
	512-6034	PORT CTB (MOVE)(LOW PROF)(TY 2)	LF									140.000	
	512-6049	PORT CTB (REMOVE)(SGL SLP)(TY 1)	LF	5,440.000								23,720.000	
	512-6057	PORT CTB (REMOVE)(LOW PROF)(TY 1)	LF	1,247.000								1,247.000	
	512-6058	PORT CTB (REMOVE)(LOW PROF)(TY 2)	LF	320.000								320.000	
	514-6038	PERM CTB (SSCB)(TY 1)(MOD)	LF	4,811.000								26,446.500	
	528-6001	COLORED TEXTURED CONC (4")	SY	10,340.000								33,960.000	
	529-6002	CONC CURB (TY II)	LF	38,171.000								113,221.000	
	529-6008	CONC CURB & GUTTER (TY II)	LF	1,781.000								1,781.000	
	529-6010	CONC CURB (U-TURN)	LF	1,106.000								4,757.000	
	529-6022	CONC CURB (DOWEL) (TY II)	LF									800.000	
	530-6004	DRIVEWAYS (CONC)	SY	2,793.000								10,936.000	
	530-6025	DRIVEWAYS (CONC) (FAST TRACK)	SY	1,251.000								1,251.000	
	531-6001	CONC SIDEWALKS (4")	SY	7,574.000								22,403.000	
	531-6004	CURB RAMPS (TY 1)	EA	4.000								17.000	
	531-6005	CURB RAMPS (TY 2)	EA	6.000								22.000	
	531-6006	CURB RAMPS (TY 3)	EA	2.000								6.000	
	531-6009	CURB RAMPS (TY 6)	EA									1.000	
	531-6010	CURB RAMPS (TY 7)	EA	7.000								9.000	



REVISED 7/17/2023



REVISED 7/24/2023

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DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78R



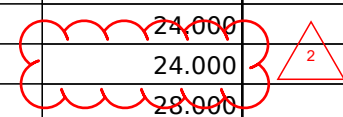
Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	531-6013	CURB RAMPS (TY 10)	EA									6.000	
	531-6016	CURB RAMPS (TY 21)	EA	2.000								11.000	
	531-6017	CURB RAMPS (TY 22)	EA	4.000								8.000	
	540-6001	MTL W-BEAM GD FEN (TIM POST)	LF	650.000								675.000	
	540-6006	MTL BEAM GD FEN TRANS (THRIE-BEAM)	EA	2.000								3.000	
	542-6001	REMOVE METAL BEAM GUARD FENCE	LF	760.000								7,371.000	
	542-6003	REMOVE DOWNSTREAM ANCHOR TERMINAL	EA	2.000								2.000	
	544-6001	GUARDRAIL END TREATMENT (INSTALL)	EA	3.000								4.000	
	544-6003	GUARDRAIL END TREATMENT (REMOVE)	EA	2.000								6.000	
	545-6003	CRASH CUSH ATTEN (MOVE & RESET)	EA	29.000								120.000	
	545-6005	CRASH CUSH ATTEN (REMOVE)	EA	6.000								24.000	
	545-6007	CRASH CUSH ATTEN (INSTL)(L)(N)(TL3)	EA	5.000								24.000	
	545-6019	CRASH CUSH ATTEN (INSTL)(S)(N)(TL3)	EA	18.000								28.000	
	550-6001	CHAIN LINK FENCE (INSTALL) (6')	LF	1,875.000								9,401.000	
	550-6006	GATE (REMOVE)	EA	1.000								6.000	
	550-6028	GATE (INSTALL)(DOUBLE)(6'X22')	EA	2.000								7.000	
	610-6106	IN RD IL (U/P) (TY 2) (150W EQ) LED	EA	12.000								48.000	
	618-6023	CONDT (PVC) (SCH 40) (2")	LF	12,565.000								29,812.000	
	618-6033	CONDT (PVC) (SCH 40) (4")	LF	746.000								3,589.000	
	618-6046	CONDT (PVC) (SCH 80) (2")	LF	8,175.000								21,191.000	
	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	LF	4,043.000								10,470.000	
	618-6059	CONDT (PVC) (SCH 80) (4") (BORE)	LF	645.000								2,776.000	
	618-6066	CONDT (RM) (1 1/4")	LF	585.000								2,325.000	
	620-6002	ELEC CONDR (NO.14) INSULATED	LF	14,017.000								32,162.000	
	620-6005	ELEC CONDR (NO.10) BARE	LF	660.000								2,763.000	
	620-6006	ELEC CONDR (NO.10) INSULATED	LF	1,320.000								5,526.000	
	620-6007	ELEC CONDR (NO.8) BARE	LF	2,265.000								3,600.000	
	620-6008	ELEC CONDR (NO.8) INSULATED	LF	17,585.000								38,240.000	
	620-6009	ELEC CONDR (NO.6) BARE	LF	9,995.000								32,593.000	
	620-6010	ELEC CONDR (NO.6) INSULATED	LF	18,547.000								53,059.000	
	621-6002	TRAY CABLE (3 CONDR) (12 AWG)	LF	1,802.000								6,090.000	
	624-6008	GROUND BOX TY C (162911)W/APRON	EA	9.000								53.000	
	624-6009	GROUND BOX TY D (162922)	EA	4.000								16.000	
	624-6010	GROUND BOX TY D (162922)W/APRON	EA	56.000								135.000	
	624-6028	REMOVE GROUND BOX	EA									68.000	
	628-6002	REMOVE ELECTRICAL SERVICES	EA	1.000								4.000	
	628-6045	ELC SRV TY A 240/480 060(NS)SS(E)SP(O)	EA	1.000								6.000	





Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	628-6076	ELC SRV TY A 240/480 100(NS)SS(E)SP(O)	EA	1.000								1.000	
	628-6124	ELC SRV TY D 120/240 060(NS)GS(L)SP(O)	EA	1.000								4.000	
	628-6152	ELC SRV TY D 120/240 060(NS)SS(N)SP(O)	EA	7.000								9.000	
	628-6194	ELC SRV TY D 120/240 070(NS)SS(N)SP(O)	EA	1.000								2.000	
	636-6002	ALUMINUM SIGNS (TY G)	SF	120.000								610.000	
	636-6003	ALUMINUM SIGNS (TY O)	SF	905.000								2,437.000	
	644-6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	19.000								104.000	
	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	32.000								100.000	
	644-6007	IN SM RD SN SUP&AM TY10BWG(1)SA(U)	EA									1.000	
	644-6009	IN SM RD SN SUP&AM TY10BWG(1)SB(P)	EA	9.000								19.000	
	644-6012	IN SM RD SN SUP&AM TY10BWG(1)SB(T)	EA	13.000								18.000	
	644-6027	IN SM RD SN SUP&AM TYS80(1)SA(P)	EA									1.000	
	644-6030	IN SM RD SN SUP&AM TYS80(1)SA(T)	EA	7.000								14.000	
	644-6033	IN SM RD SN SUP&AM TYS80(1)SA(U)	EA									4.000	
	644-6042	IN SM RD SN SUP&AM TYS80(1)SB(T)	EA	3.000								4.000	
	644-6044	IN SM RD SN SUP&AM TYS80(1)SB(U)	EA	1.000								9.000	
	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	EA	2.000								8.000	
	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	EA	2.000								8.000	
	644-6066	IN SM RD SN SUP&AM (RAIL MOUNT)	EA	4.000								22.000	
	644-6068	RELOCATE SM RD SN SUP&AM TY 10BWG	EA									5.000	
	644-6076	REMOVE SM RD SN SUP&AM	EA	39.000								132.000	
	647-6001	INSTALL LRSS (STRUCT STEEL)	LB	778.000								3,257.000	
	647-6003	REMOVE LRSA	EA	1.000								1.000	
	650-6025	INS OH SN SUP(25 FT CANT)	EA	1.000								1.000	
	650-6028	INS OH SN SUP(30 FT BAL TEE)	EA									1.000	
	650-6032	INS OH SN SUP(30 FT CANT)	EA									5.000	
	650-6038	INS OH SN SUP(35 FT CANT)	EA									1.000	
	650-6045	INS OH SN SUP(40 FT CANT)	EA	7.000								8.000	
	650-6154	INS OH SN SUP(145 FT BRDG)	EA									3.000	
	650-6159	INS OH SN SUP(150 FT BRDG)	EA									1.000	
	650-6204	REMOVE OVERHD SIGN SUP	EA	1.000								1.000	
	658-6013	INSTL DEL ASSM (D-SW)SZ (BRF)CTB	EA	81.000								342.000	
	658-6026	INSTL DEL ASSM (D-SY)SZ (BRF)CTB	EA	22.000								54.000	
	658-6027	INSTL DEL ASSM (D-SY)SZ (BRF)CTB (BI)	EA	100.000								301.000	
	658-6028	INSTL DEL ASSM (D-SY)SZ (BRF)GF1	EA	9.000								63.000	
	658-6047	INSTL OM ASSM (OM-2Y)(WC)GND	EA	13.000								44.000	
	658-6060	REMOVE DELIN & OBJECT MARKER ASSMS	EA	50.000								100.000	



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	658-6088	INSTL DEL ASSM (D-SY)SZ 1(YFLX)SRF	EA	428.000								1,085.000	
	662-6001	WK ZN PAV MRK NON-REMOV (W)4"(BRK)	LF	3,666.000								5,415.000	
	662-6004	WK ZN PAV MRK NON-REMOV (W)4"(SLD)	LF	10,679.000								16,709.000	
	662-6012	WK ZN PAV MRK NON-REMOV (W)8"(SLD)	LF	1,162.000								2,284.000	
	662-6019	WK ZN PAV MRK NON-REMOV (W)(ENTR GORE)	EA	1.000								1.000	
	662-6034	WK ZN PAV MRK NON-REMOV (Y)4"(SLD)	LF	9,735.000								16,183.000	
	662-6052	WK ZN PAV MRK REMOV (REFL) TY II-C-R	EA	2,544.000								7,989.000	
	662-6060	WK ZN PAV MRK REMOV (W)4"(BRK)	LF	17,802.000								56,373.000	
	662-6061	WK ZN PAV MRK REMOV (W)4"(DOT)	LF	912.000								2,632.000	
	662-6063	WK ZN PAV MRK REMOV (W)4"(SLD)	LF	53,996.000								194,741.000	
	662-6069	WK ZN PAV MRK REMOV (W)8"(DOT)	LF	405.000								405.000	
	662-6071	WK ZN PAV MRK REMOV (W)8"(SLD)	LF	8,141.000								31,199.000	
	662-6075	WK ZN PAV MRK REMOV (W)24"(SLD)	LF	2,029.000								8,853.000	
	662-6080	WK ZN PAV MRK REMOV (W)(ARROW)	EA	58.000								283.000	
	662-6081	WK ZN PAV MRK REMOV (W)(DBL ARROW)	EA	16.000								71.000	
	662-6082	WK ZN PAV MRK REMOV (W)(ENTR GORE)	EA	4.000								4.000	
	662-6083	WK ZN PAV MRK REMOV (W)(EXIT GORE)	EA	4.000								4.000	
	662-6089	WK ZN PAV MRK REMOV (W)(UTURN ARROW)	EA	4.000								4.000	
	662-6090	WK ZN PAV MRK REMOV (W)(WORD)	EA	51.000								192.000	
	662-6091	WK ZN PAV MRK REMOV (W)18"(YLD TRI)	EA	23.000								142.000	
	662-6094	WK ZN PAV MRK REMOV (Y)4"(DOT)	LF									514.000	
	662-6095	WK ZN PAV MRK REMOV (Y)4"(SLD)	LF	73,632.000								236,799.000	
	662-6100	WK ZN PAV MRK REMOV (Y)12"(SLD)	LF	2,023.000								8,729.000	
	666-6018	REFL PAV MRK TY I (W)6"(DOT)(100MIL)	LF	690.000								2,110.000	
	666-6030	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF	60.000								909.000	
	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF	6,775.000								21,482.000	
	666-6039	REFL PAV MRK TY I (W)12"(LNDP)(100MIL)	LF	105.000								1,152.000	
	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	LF	1,850.000								9,195.000	
	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	956.000								4,914.000	
	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	EA	27.000								103.000	
	666-6057	REFL PAV MRK TY I(W)(DBL ARROW)(100MIL)	EA	1.000								16.000	
	666-6063	REFL PAV MRK TY I(W)(UTURN ARW)(100MIL)	EA	6.000								16.000	
	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	EA	33.000								120.000	
	666-6081	REFL PAV MRK TY I(W)(ENTR GORE)(100MIL)	EA	4.000								15.000	
	666-6084	REFL PAV MRK TY I(W)(EXIT GORE)(100MIL)	EA	8.000								21.000	
	666-6099	REF PAV MRK TY I(W)18"(YLD TRI)(100MIL)	EA	59.000								191.000	
	666-6141	REFL PAV MRK TY I (Y)12"(SLD)(100MIL)	LF									1,115.000	



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	666-6162	RE PV MRK TY I(BLACK)6"(SHADOW)(100MIL)	LF	17,598.000								46,320.000	
	666-6225	PAVEMENT SEALER 6"	LF	131,196.000								374,707.000	
	666-6226	PAVEMENT SEALER 8"	LF	6,625.000								22,181.000	
	666-6228	PAVEMENT SEALER 12"	LF	1,955.000								11,687.000	
	666-6230	PAVEMENT SEALER 24"	LF	956.000								4,849.000	
	666-6231	PAVEMENT SEALER (ARROW)	EA	27.000								103.000	
	666-6232	PAVEMENT SEALER (WORD)	EA	33.000								120.000	
	666-6234	PAVEMENT SEALER (DBL ARROW)	EA	1.000								16.000	
	666-6236	PAVEMENT SEALER (UTURN ARROW)	EA	6.000								16.000	
	666-6239	PAVEMENT SEALER (ENTR GORE)	EA	4.000								15.000	
	666-6240	PAVEMENT SEALER (EXIT GORE)	EA	8.000								21.000	
	666-6243	PAVEMENT SEALER (YLD TRI)	EA	59.000								191.000	
	666-6306	RE PM W/RET REQ TY I (W)6"(BRK)(100MIL)	LF	17,798.000								48,241.000	
	666-6309	RE PM W/RET REQ TY I (W)6"(SLD)(100MIL)	LF	46,826.000								127,527.000	
	666-6318	RE PM W/RET REQ TY I (Y)6"(BRK)(100MIL)	LF	2,318.000								6,369.000	
	666-6321	RE PM W/RET REQ TY I (Y)6"(SLD)(100MIL)	LF	48,225.000								146,450.000	
	672-6007	REFL PAV MRKR TY I-C	EA	215.000								748.000	
	672-6009	REFL PAV MRKR TY II-A-A	EA	32.000								124.000	
	672-6010	REFL PAV MRKR TY II-C-R	EA	1,020.000								4,149.000	
	677-6001	ELIM EXT PAV MRK & MRKS (4")	LF	90,895.000								266,979.000	
	677-6003	ELIM EXT PAV MRK & MRKS (8")	LF	3,042.000								8,614.000	
	677-6005	ELIM EXT PAV MRK & MRKS (12")	LF	252.000								266.000	
	677-6007	ELIM EXT PAV MRK & MRKS (24")	LF	13.000								152.000	
	677-6008	ELIM EXT PAV MRK & MRKS (ARROW)	EA	2.000								25.000	
	678-6002	PAV SURF PREP FOR MRK (6")	LF	131,196.000								374,757.000	
	678-6004	PAV SURF PREP FOR MRK (8")	LF	6,835.000								22,391.000	
	678-6006	PAV SURF PREP FOR MRK (12")	LF	1,955.000								11,687.000	
	678-6008	PAV SURF PREP FOR MRK (24")	LF	956.000								4,849.000	
	678-6009	PAV SURF PREP FOR MRK (ARROW)	EA	27.000								103.000	
	678-6010	PAV SURF PREP FOR MRK (DBL ARROW)	EA	1.000								16.000	
	678-6012	PAV SURF PREP FOR MRK (UTURN ARR)	EA	6.000								16.000	
	678-6016	PAV SURF PREP FOR MRK (WORD)	EA	33.000								120.000	
	678-6017	PAV SURF PREP FOR MRK (ENTR GORE)	EA	4.000								16.000	
	678-6018	PAV SURF PREP FOR MRK (EXIT GORE)	EA	8.000								20.000	
	678-6022	PAV SURF PREP FOR MRK (18")(YLD TRI)	EA	59.000								191.000	
	680-6003	INSTALL HWY TRF SIG (SYSTEM)	EA	1.000								4.000	
	680-6004	REMOVING TRAFFIC SIGNALS	EA	1.000								6.000	

DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78V



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	681-6001	TEMP TRAF SIGNALS	EA	1.000								4.000	
	682-6001	VEH SIG SEC (12")LED(GRN)	EA	16.000								66.000	
	682-6002	VEH SIG SEC (12")LED(GRN ARW)	EA	4.000								15.000	
	682-6003	VEH SIG SEC (12")LED(YEL)	EA	16.000								66.000	
	682-6004	VEH SIG SEC (12")LED(YEL ARW)	EA	4.000								11.000	
	682-6005	VEH SIG SEC (12")LED(RED)	EA	16.000								66.000	
	682-6006	VEH SIG SEC (12")LED(RED ARW)	EA									5.000	
	682-6018	PED SIG SEC (LED)(COUNTDOWN)	EA	12.000								48.000	
	682-6054	BACKPLATE W/REF BRDR(3 SEC)(VENT)ALUM	EA	16.000								65.000	
	682-6055	BACKPLATE W/REF BRDR(4 SEC)(VENT)ALUM	EA									4.000	
	682-6056	BACKPLATE W/REF BRDR(5 SEC)(VENT)ALUM	EA									2.000	
	684-6007	TRF SIG CBL (TY A)(12 AWG)(2 CONDR)	LF	3,278.000								12,706.000	
	684-6009	TRF SIG CBL (TY A)(12 AWG)(4 CONDR)	LF	3,503.000								12,931.000	
	684-6010	TRF SIG CBL (TY A)(12 AWG)(5 CONDR)	LF	615.000								2,815.000	
	684-6012	TRF SIG CBL (TY A)(12 AWG)(7 CONDR)	LF	155.000								695.000	
	684-6014	TRF SIG CBL (TY A)(12 AWG)(9 CONDR)	LF	1,394.000								5,489.000	
	685-6003	REMOVE RDS FLASH BEACON ASSEMBLY	EA									1.000	
	685-6006	REMOV RDS FLSH BCN AM (SOLAR PWRD)	EA	2.000								5.000	
	686-6043	INS TRF SIG PL AM(S)1 ARM(40')LUM	EA	3.000								3.000	
	686-6047	INS TRF SIG PL AM(S)1 ARM(44')LUM	EA									2.000	
	686-6055	INS TRF SIG PL AM(S)1 ARM(50')LUM	EA	3.000								3.000	
	686-6059	INS TRF SIG PL AM(S)1 ARM(55')LUM	EA									3.000	
	686-6067	INS TRF SIG PL AM(S)1 ARM(65')LUM	EA									1.000	
	686-6187	INS TRF SIG PL AM(S)2 ARM(50-36')LUM	EA									1.000	
	686-6219	INS TRF SIG PL AM(S)2 ARM(55-40')LUM	EA									1.000	
	686-6223	INS TRF SIG PL AM(S)2 ARM(55-44')LUM	EA									2.000	
	686-6251	INS TRF SIG PL AM(S)2 ARM(60-44')LUM	EA									1.000	
	686-6275	INS TRF SIG PL AM(S)2 ARM(65-40')LUM	EA									1.000	
	687-6001	PED POLE ASSEMBLY	EA	4.000								40.000	
	690-6009	REMOVAL OF CABLES	LF									17,265.000	
	730-6107	FULL - WIDTH MOWING	CYC	2.000								10.000	
	734-6002	LITTER REMOVAL	CYC	14.000								61.000	
	738-6001	CLEANING / SWEEPING (CENTER MEDIAN)	CYC	3.000								15.000	
	738-6003	CLEANING / SWEEPING (OUTSIDE MAIN LANE)	CYC	3.000								15.000	
	740-6004	ANTI - GRAFFITI COATING(PERMNENT-TY II)	SF	16,504.000								369,211.000	
	3012-6001	GRINDING	SY									36,476.000	
	3021-6001	WIDE FLANGE PAVEMENT TERMINALS	LF									300.000	



DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78W



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	3075-6001	GEOGRID BASE REINFORCEMENT	SY	2,860.000								14,713.000	
	3076-6002	D-GR HMA TY-B SAC-B PG64-22	TON	46,657.000								184,880.000	
	3076-6042	D-GR HMA TY-D SAC-B PG70-22	TON	1,603.000								4,787.000	
	3077-6007	SP MIXESSP-BSAC-B PG70-22	TON	2,093.000								2,249.000	
	3077-6023	SP MIXESSP-CSAC-B PG70-22	TON									2,722.000	
	3080-6007	STONE-MTRX-ASPH SMA-D SAC-A PG76-22	TON	1,361.000								1,383.000	
	3084-6001	BONDING COURSE	GAL	2,264.000								7,403.000	
	4006-6001	SOUND WALL (14 FT)	LF									530.000	
	4006-6006	SOUND WALL (12 FT)	LF									576.000	
	5116-6001	AMPHIBIAN/REPTILE EXCLUSION FENCE INST	LF	12,010.000								39,860.000	
	5116-6002	AMPHIBIAN/REPTILE EXCLUSION FENCE REM	LF	12,010.000								39,860.000	
	6000-6025	REMOVE ROADWAY ILLUM ASSEMBLY (LED)	EA									10.000	
	6001-6002	PORTABLE CHANGEABLE MESSAGE SIGN	EA	4.000								8.000	
	6007-6010	FIBER OPTIC CBL (SNGLE-MODE)(6 FIBER)	LF	2,425.000								4,360.000	
	6007-6015	FIBER OPTIC CBL (SNGLE-MODE)(72 FIBER)	LF	15,605.000								36,670.000	
	6007-6022	FIBER OPTIC PATCH PANEL (6 POSITION)	EA	8.000								16.000	
	6007-6026	FIBER OPTIC CABLE ROAD MARKER	EA	32.000								70.000	
	6007-6087	FO SPLICE ENCLOSURE (TYPE 1)	EA	7.000								13.000	
	6007-6094	FIBER OPTIC FUSION SPLICE	EA	32.000								124.000	
	6010-6002	CCTV FIELD EQUIPMENT (DIGITAL)	EA	3.000								9.000	
	6010-6004	CCTV MOUNT (POLE)	EA	4.000								8.000	
	6010-6009	CCTV MOUNT (MAST)	EA	1.000								4.000	
	6010-6011	CCTV FIELD EQUIP (DIGITAL) (INSTL ONLY)	EA	2.000								4.000	
	6010-6013	REMOVE CCTV FIELD EQUIPMENT	EA	1.000								4.000	
	6016-6006	ITS MULTI-DUCT CND (PVC-40)	LF	11,887.000								26,277.000	
	6016-6011	ITS MULTI-DUCT CND (PVC-80)(BORE)	LF	1,018.000								4,253.000	
	6028-6001	INSTALL DMS (POLE MTD CABINET)	EA	1.000								2.000	
	6054-6002	COAXIAL CABLE	LF									70.000	
	6058-6001	BBU SYSTEM (EXTERNAL BATT CABINET)	EA									3.000	
	6064-6038	ITS POLE (50 FT)(110 MPH)	EA	5.000								8.000	
	6064-6045	ITS POLE (50 FT)(REM)	EA	1.000								4.000	
	6064-6084	ITS POLE MNT CAB (TY 2)(CONF 2)	EA	4.000								7.000	
	6083-6001	VIDEO IMAGING AND RAD VEH DETECTION SYS	EA									3.000	
	6156-6007	REPLC LED HI MST IL(6 FIXT)(ASYM)(TY B)	EA	6.000								6.000	
	6183-6001	ETHERNET/FIBER MEDIA CONV (SM)	EA	9.000								22.000	
	6185-6002	TMA (STATIONARY)	DAY									100.000	
	6185-6003	TMA (MOBILE OPERATION)	HR									1,000.000	



DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78X



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	6186-6002	ITS GND BOX(PCAST) TY 1 (243636)W/APRN	EA	24.000								57.000	
	6186-6012	ITS GND BOX(PCAST) TY 2 (366060)W/APRN	EA	8.000								15.000	
	6292-6001	RVDS(PRESENCE DETECTION ONLY)	EA	6.000								6.000	
	6292-6002	RVDS(ADVANCE DETECTION ONLY)	EA	6.000								8.000	
	6293-6002	ATSC (TY 2)	EA									3.000	
	6304-6007	ITS RVSD (DC ONLY) (REMOVE)	EA									2.000	
	6306-6001	VIVDS PROSR SYS	EA	1.000								2.000	
	6306-6004	VIVDS CAM ASSY 360	EA	2.000								3.000	
	6306-6005	VIVDS CNTRL SOFTWARE	EA	1.000								2.000	
	6306-6006	VIVDS TEMPORARY	EA	5.000								29.000	
	6306-6007	VIVDS CABLING	LF									7,304.000	
	6310-6008	LED HI MST(150 FT)(80MPH)(6FIXT)(TY A)	EA	9.000								23.000	
	6310-6009	LED HI MST(150 FT)(80MPH)(6FIXT)(TY A)S	EA									5.000	
	6412-6001	PORTABLE ROADWAY ILLUMINATION	DAY	90.000								90.000	
	6416-6001	WIRELESS WWD SYSTEM	EA	3.000								3.000	
	6416-6002	WWD LED SIGNS	EA	12.000								12.000	
	6423-6007	FIELD HARDENED ETH SW (INSTALL ONLY)	EA									4.000	
	6423-6008	ETHERNET SURGE PROTECTOR (INSTALL ONLY)	EA	8.000								14.000	
	6423-6009	CELLULAR MODEM (INSTALL ONLY)	EA	1.000								7.000	
	6423-6014	CELLULAR MODEM RELOCATE	EA									2.000	
	6423-6019	CELLULAR MODEM REMOVE	EA									3.000	
	6476-6001	Remove High Mast Lighting Assembly	EA	1.000								1.000	
	6476-6002	Relocate High Mast Lighting Assembly	EA	2.000								2.000	
	7315-6001	12" PVC C-900 DR-14 CI 200 WTR MN	LF					190.000		2,376.000		2,566.000	
	7315-6002	12"PVC C-900 DR-14 CI 200 WTR MN RST	LF			40.000		123.000		205.000		368.000	
	7315-6003	16"PVC C-905 DR-18 PR-235 WTR MN	LF			7,202.000		5,076.000		365.000		12,643.000	
	7315-6004	16"PVC C-905 DR-18 PR-235 WTR MN RST	LF			115.000		185.000		160.000		460.000	
	7315-6005	24" PVC C-905 DR-18 PR-235 WTR MN	LF					3,749.000		7,700.000		11,449.000	
	7315-6006	24"PVC C-905 DR-18 PR-235 WTR MN RST	LF					419.000		115.000		534.000	
	7315-6007	16" BUTTERFLY VALVE W/BOX & COVER RST	EA			6.000		4.000		6.000		16.000	
	7315-6008	24" BUTTERFLY VALVE W/BOX & COVER RST	EA					7.000		13.000		20.000	
	7315-6009	12" GATE VALVE W/BOX & COVER RST	EA			3.000		6.000		14.000		23.000	
	7315-6010	FIRE HYDRANTS, COMPLETE	EA			5.000		6.000		17.000		28.000	
	7315-6011	RAISE EXISTING FIRE HYDRANTS	EA					1.000		1.000		2.000	
	7315-6012	6" RPP BACKFLOW ASSEMBLY, COMPLETE	EA			1.000						1.000	
	7315-6013	TRANSFER/REPAIR WATER SERVICE CONN	EA			1.000				1.000		2.000	
	7315-6014	INTERCONN TO EXIST WTR MAIN (6")	EA			1.000				1.000		2.000	



DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78Y



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb

CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	7315-6015	INTERCONN TO EXIST WTR MAIN (12")	EA			3.000		3.000		8.000		14.000	
	7315-6016	INTERCONN TO EXIST WTR MAIN (16")	EA			3.000		1.000		1.000		5.000	
	7315-6017	INTERCONN TO EXIST WTR MAIN (24")	EA					1.000		2.000		3.000	
	7315-6018	INTERCONN TO EXIST SWR FORC MN(3"-8")	EA			4.000		1.000				5.000	
	7315-6019	CONC ENCASEMENT, CRADLES,AND SADDLES	CY			10.000				20.000		30.000	
	7315-6020	BORE/CASE 16"PVC IN 24" STL(UND LP 20)	LF							501.000		501.000	
	7315-6021	BORE/CASE 24" PVC IN 36" STL(UND LP 20)	LF					150.000				150.000	
	7315-6022	BORE/CASE 10" PVC IN 18" STL(UND CULV)	LF			20.000						20.000	
	7315-6023	BORE/CASE 12" PVC IN 24" STL(UND CULV)	LF			20.000						20.000	
	7315-6024	BORE/CASE 18" PVC IN 30" STL(UND LP 20)	LF			130.000						130.000	
	7315-6025	12"PVC WRT MAIN IN 24"CASING(OPEN CUT)	LF							332.000		332.000	
	7315-6026	16"PVC WRT MAIN IN 24"CASING(OPEN CUT)	LF			191.000		143.000		455.000		789.000	
	7315-6027	24"PVC WTR MAIN IN 36"CASING(OPEN CUT)	LF					331.000		145.000		476.000	
	7315-6028	4"PVC SWR MAIN IN 8"STL CASE(OPEN CUT)	LF					377.000				377.000	
	7315-6029	8"PVC SWR MAIN W/16"STL CASE(OPEN CUT)	LF			146.000						146.000	
	7315-6030	18"PVC SWR MAIN W/30"STL CASE(OPEN CT)	LF			200.000						200.000	
	7315-6031	DUCT IRON MECH JOINT FIT (RESTRAINED)	TON			3.240		7.550		8.000		18.790	
	7315-6032	CEMENT STABILIZED, FLOWABLE BACKFILL	CY					10.000		20.000		30.000	
	7315-6033	2" AIR RELEASE/VACUUM VALVES W/VAULT	EA			3.000		5.000		8.000		16.000	
	7315-6034	1" AIR RELEASE/VACUUM VALVES W/VAULT	EA			3.000		1.000				4.000	
	7315-6035	16" PRESSURE REDUCING VALVE W/VAULT	LS							1.000		1.000	
	7315-6036	8"PVC SDR-26 SWR MAIN(DEPTH>20')	LF							380.000		380.000	
	7315-6037	10"PVC SDR-26 SWR MAIN(DEPTH 6'-10')	LF			809.000						809.000	
	7315-6038	10"PVC SDR-26 SWR MAIN(DEPTH 10'-14')	LF			892.000						892.000	
	7315-6039	10"PVC SDR-26 SWR MAIN(DEPTH 14'-20')	LF			1,544.000						1,544.000	
	7315-6040	18"PVC PS-115 SWR MAIN(DEPTH<12')	LF			159.000						159.000	
	7315-6041	21"PVC PS-115 SWR MAIN(DEPTH<10')	LF			131.000						131.000	
	7315-6042	4" PVC, DR-18 SEWER FORCE MAIN	LF					337.000				337.000	
	7315-6043	8" PVC, DR-18 SEWER FORCE MAIN	LF			7,847.000						7,847.000	
	7315-6044	8"PVC DR-18SWR FORCE MAIN(RESTRAINED)	LF			105.000						105.000	
	7315-6045	12" PVC, DR-18 SEWER FORCE MAIN	LF			1,931.000						1,931.000	
	7315-6046	12" PVC DR-18 SEWER MAIN(RESTRAINED)	LF			60.000						60.000	
	7315-6047	4"PLUG VALVE W/BOX&COVER(RESTRAINED)	EA					1.000				1.000	
	7315-6048	8"PLUG VALVE W/BOX&COVER(RESTRAINED)	EA			9.000						9.000	
	7315-6049	12"PLUG VALVE W/BOX&COVER(RESTRAINED)	EA			2.000						2.000	
	7315-6050	8" CHECK VALVE W/VAULT	EA			3.000						3.000	
	7315-6051	INSTALL, TRANSFER & REPAIR SAN SWR LINE	EA			2.000						2.000	

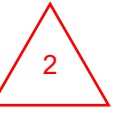


Estimate & Quantity Sheet

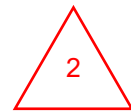
CONTROLLING PROJECT ID 0086-14-075

DISTRICT Laredo
HIGHWAY US 59

COUNTY Webb



CONTROL SECTION JOB				0086-14-089		0086-14-091		0086-14-092		0086-14-093		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00122847		R00004929		R00004930		R00004931			
COUNTY				Webb		Webb		Webb		Webb			
HIGHWAY				US 59		US 59		US 59		US 59			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	7315-6052	48" SAN SWR MANHOLE (FRP)(6'-10' DEPTH)	EA			2.000		1.000				3.000	
	7315-6053	48" SAN SWR MANHOLE (FRP)(10'-14' DEPTH)	EA			5.000						5.000	
	7315-6054	48" SAN SWR MANHOLE (FRP)(14'-20' DEPTH)	EA			3.000						3.000	
	7315-6055	48" SAN SWR MH FRP(14'-20' DEPTH)(DROP)	EA			1.000						1.000	
	7315-6056	48" SAN SEWER MANHOLE (FRP)(DEPTH>20')	EA							1.000		1.000	
	7315-6057	48" SWR MANHOLE (FRP)(DEPTH>20')(DROP)	EA			1.000						1.000	
	7315-6058	60" SAN SWR MANHOLE (FRP)(6'-10' DEPTH)	EA			2.000						2.000	
	7315-6059	60" SAN SWR MANHOLE (FRP)(10'-18' DEPTH)	EA			3.000						3.000	
	7315-6060	REMOVE EXIST FRP SWR MANHOLE, COMPLETE	EA							2.000		2.000	
	7315-6061	REMOVE EXIST CONC SANITARY SWR MANHOLES	EA					2.000				2.000	
	7315-6062	TIE INTO EXIST ACTIVE SAN SWR MANHOLES	EA			1.000						1.000	
	7315-6063	8" SANITARY SEWER CLEANOUT	EA							2.000		2.000	
	7315-6064	RECONST EXIST FRP MANHOLE UPPERBODY&LID	EA							2.000		2.000	
	7315-6065	SANITARY SEWER BYPASS PIPING OR PUMPING	LS					1.000				1.000	
	7315-6066	PWR POLE BRACING, AEP ELECTRIC APPROVED	LS			1.000						1.000	
	7315-6067	REMOV&DISP EXIST 16" PVC WTR LINE, COMPL	LF			264.000		482.000				746.000	
	7315-6068	REMOV&DISP EXIST 24" PVC WTR LINE, COMPL	LF					225.000				225.000	
	7315-6069	REMOV&DISP EXIST 36" STL CASE&WTR LINE	LF					92.000				92.000	
	7315-6070	REMOV&DISP EXIST 8" PVC MAIN, COMPLETE	LF			336.000						336.000	
	7315-6071	REMOV&REPL EXIST CONC SIDEWALK&DRIVEWAY	SF			20.000				30.000		50.000	
	7315-6072	REMOV&REPL HMA PVMT&SW(TRENCH PATCH)	SY			955.000		79.000		204.000		1,238.000	
	7315-6073	REMOVE&REPL CONC PVMT&SW(TRENCH PATCH)	SY			500.000						500.000	
	7315-6074	SHEET&BRACE (TRENCH EXCAV PROTECTION)	LF			21,372.000		10,930.000		12,233.000		44,535.000	
	16	MATERIAL FURNISHED BY THE STATE (PARTICIPATING)	LS									1.000	
	18	LAW ENFORCEMENT: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS									1.000	
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS									1.000	
		EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (PART)	LS									1.000	



REPRINTED 07/24/2023




DISTRICT	COUNTY	CCSJ	SHEET
Laredo	Webb	0086-14-075	78AA

PLAN SHEET NO. / LOCATION	SUMMARY OF WORKZONE TRAFFIC CONTROL ITEMS																		
	216 6001	400 6008	403 6001	431 6003	464 6005	465 6152	467 6395	508 6001	512 6001	512 6009	512 6010	512 6025	512 6033	512 6034					
	PROOF ROLLING **	CUT & RESTORE ASPH PAVING	TEMPORARY SPL SHORING	PNEUMATICAL LY PLACED CONCRETE (2")	RC PIPE (CL III) (24 IN)	INLET (COMPL) (PA ZD) (RC) (3FT X3FT) **	SET (TY II) (24 IN) (RCP) (6: 1) (P) **	CONSTRUCTING DETOURS	PORT CTB (FUR & INST) (SGL SLOPE) (TY 1)	PORT CTB (FUR & INST) (LOW PROF) (TY 1)	PORT CTB (FUR & INST) (LOW PROF) (TY 2)	PORT CTB (MOVE) (SGL SLP) (TY 1)	PORT CTB (MOVE) (LOW PROF) (TY 1)	PORT CTB (MOVE) (LOW PROF) (TY 2)					
HR	SY	SF	SF	LF	EA	EA	SY	LF	LF	LF	LF	LF	LF						
CSJ: 0086-14-087																			
7 OF 29	STA 257+00.00 TO STA 267+00.00																		
8 OF 29	STA 267+00.00 TO STA 274+00.00																		
CSJ: 0086-14-087 SUBTOTALS											990	720							
CSJ: 0086-14-088											1,710								
9 OF 29	STA 274+00.00 TO STA 285+00.00																		
10 OF 29	STA 285+00.00 TO STA 296+00.00																		
11 OF 29	STA 296+00.00 TO STA 307+00.00																		
12 OF 29	STA 307+00.00 TO STA 318+00.00																		
13 OF 29	STA 318+00.00 TO STA 329+00.00																		
14 OF 29	STA 329+00.00 TO STA 340+00.00																		
15 OF 29	STA 340+00.00 TO STA 351+00.00																		
16 OF 29	STA 351+00.00 TO STA 362+00.00																		
17 OF 29	STA 362+00.00 TO STA 372+00.00																		
18 OF 29	STA 372+00.00 TO STA 382+00.00																		
CSJ: 0086-14-088 SUBTOTALS											1,000	1,170	1,260	1,090	790	1,090			
CSJ: 0086-14-089											570	960	1,000	860					
19 OF 29	STA 382+00.00 TO STA 393+00.00																		
20 OF 29	STA 393+00.00 TO STA 404+00.00																		
21 OF 29	STA 404+00.00 TO STA 415+00.00																		
22 OF 29	STA 415+00.00 TO STA 426+00.00																		
23 OF 29	STA 426+00.00 TO STA 437+00.00																		
24 OF 29	STA 437+00.00 TO STA 448+00.00																		
25 OF 29	STA 448+00.00 TO STA 459+00.00																		
26 OF 29	STA 459+00.00 TO STA 470+00.00																		
27 OF 29	STA 470+00.00 TO STA 481+00.00																		
28 OF 29	STA 481+00.00 TO STA 491+30.48																		
CSJ: 0086-14-089 SUBTOTALS											1,050	960	960	960	960	900	780	690	840
CSJ: 0086-14-088											162				8,100				
29 OF 29 DEL MAR BLVD-STA 16+00.00 TO END																			
CSJ: 0086-14-088 SUBTOTALS											162				8,100				
CSJ: 0086-14-078																			
PHASE 2 STEP 2A-1																			
JACAMAN RD																			
1 OF 1	JACAMAN RD																		
PHASE 2 STEP 2A-2											141					398			
JACAMAN RD																			
1 OF 1	JACAMAN RD																		
CSJ: 0086-14-078 SUBTOTALS											149	164			292	690			
CSJ: 0086-14-088																			
PHASE 2 STEP 2B																			
UNIVERSITY BLVD																			
1 OF 2	BEGIN TO 10+00.00																		
2 OF 2	10+00.00 TO END																		
PHASE 2 STEP 2C-1											158					210			
DEL MAR BLVD																			
1 OF 2	BEGIN TO 12+00.00																		
2 OF 2	12+00.00 TO END																		
PHASE 2 STEP 2C-2															210				
DEL MAR BLVD																			
1 OF 2	BEGIN TO 12+00.00																		
2 OF 2	12+00.00 TO END																		
CSJ: 0086-14-088 SUBTOTALS											158				420				
CSJ: 0086-14-089																			
PHASE 2 STEP 2D																			
SHILOH DR																			
1 OF 2	BEGIN TO STA 5+00.00																		
2 OF 2	STA 5+00.00 TO END																		
CSJ: 0086-14-089 SUBTOTALS															270				
CSJ: 0086-14-087																			
PHASE 2 STEP 2E																			
ROSSON RD																			
1 OF 1	STA 10+60.00 TO STA 12+50.73																		
PHASE 2 STEP 2F															240				
ARENA BLVD																			
1 OF 1	STA 10+60.47 TO STA 11+57.15																		
PHASE 2 STEP 2G															112				
SINATRA PKWY																			
1 OF 1	STA 10+19.92 TO STA 11+55.00																		
CSJ: 0086-14-087 SUBTOTALS											352								

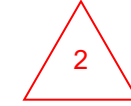
** FOR CONTRACTORS INFORMATION ONLY

 **REVISED 7/24/2023**

NO.		REVISIONS		BY	DATE
OMEGA ENGINEERS, INC.		16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184			
AECOM		19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 AECOM Technical Services Inc.- 3580			
ENTECH		F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0069 PH 281-945-0081 FX CIVIL ENGINEERS INC			
		© 2023			
US 59					
SUMMARY OF TCP QUANTITIES					
SHEET 4 OF 24					
DN:	RA	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	AS	6	TEXAS		US59
DW:	AI	STATE DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
CK DW:	RA	LRD	WEBB	0086 14	075, ETC.
					82

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PLAN SHEET NO. / LOCATION	SUMMARY OF WORKZONE TRAFFIC CONTROL ITEMS													
	216 6001	400 6008	403 6001	431 6003	464 6005	465 6152	467 6395	508 6001	512 6001	512 6009	512 6010	512 6025	512 6033	512 6034
	PROOF ROLLING **	CUT & RESTORE ASPH PAVING	TEMPORARY SPL SHORING	PNEUMATICAL LY PLACED CONCRETE (2")	RC PIPE (CL III) (24 IN) **	INLET (COMPL) (PA ZD) (RC) (3FT X3FT) **	SET (TY II) (24 IN) (RCP) (6: 1) (P) **	CONSTRUCTING DETOURS	PORT CTB (FUR & INST) (SGL SLOPE) (TY 1)	PORT CTB (FUR & INST) (LOW PROF) (TY 1)	PORT CTB (FUR & INST) (LOW PROF) (TY 2)	PORT CTB (MOVE) (SGL SLP) (TY 1)	PORT CTB (MOVE) (LOW PROF) (TY 1)	PORT CTB (MOVE) (LOW PROF) (TY 2)
	HR	SY	SF	SF	LF	EA	EA	SY	LF	LF	LF	LF	LF	LF
PHASE 3 STEP 1B														
CSJ: 0086-14-078														
1 OF 10														
2 OF 10												1,410		
3 OF 10												270		
4 OF 10												1,230		
CSJ: 0086-14-078 SUBTOTALS														
												2,910		
CSJ: 0086-14-088														
5 OF 10														
6 OF 10														
CSJ: 0086-14-088 SUBTOTALS														
CSJ: 0086-14-089														
7 OF 10														
8 OF 10												1,950		
9 OF 10														
CSJ: 0086-14-089 SUBTOTALS														
												1,950		
CSJ: 0086-14-088														
10 OF 10														
CSJ: 0086-14-088 SUBTOTALS														
PHASE 3 STEP 1C														
CSJ: 0086-14-078														
1 OF 11														
2 OF 11												4,200		
3 OF 11												1,560		
4 OF 11														
5 OF 11														
CSJ: 0086-14-078 SUBTOTALS														
												5,760		
CSJ: 0086-14-088														
6 OF 11												1,440		
7 OF 11												60		
CSJ: 0086-14-088 SUBTOTALS														
												1,500		
CSJ: 0086-14-089														
8 OF 11														
9 OF 11														
10 OF 11														
CSJ: 0086-14-089 SUBTOTALS														
CSJ: 0086-14-088														
11 OF 11														
CSJ: 0086-14-088 SUBTOTALS														
PHASE 3 STEP 1D														
CSJ: 0086-14-088														
1 OF 2														
CSJ: 0086-14-089 SUBTOTALS														
CSJ: 0086-14-088														
2 OF 2														
CSJ: 0086-14-088 SUBTOTALS														
PHASE 4 STEP 1														
CSJ: 0086-14-087														
1 OF 5												150		
2 OF 5												480		
CSJ: 0086-14-087 SUBTOTALS														
												630		
CSJ: 0086-14-078														
3 OF 5												840		
4 OF 5												960		
5 OF 5														
CSJ: 0086-14-078 SUBTOTALS														
												1,800		
PHASE 4 STEP 2														
CSJ: 0086-14-087														
1 OF 3														
2 OF 3														
CSJ: 0086-14-087 SUBTOTALS														
CSJ: 0086-14-078														
3 OF 3														
CSJ: 0086-14-078 SUBTOTALS														
CSJ: 0086-14-078 GRAND TOTALS														
	13	253	4,002	695	196	3	4	19,115		164	40	17,310	956	40
CSJ: 0086-14-087 GRAND TOTALS														
	13		5,902		8	2		14,183				12,800		
CSJ: 0086-14-088 GRAND TOTALS														
	35	3,771	20,236	1,390	224	1	3	33,616	9,210	754	200	27,030	2,348	100
CSJ: 0086-14-089 GRAND TOTALS														
	17	1,461	8,567	478	473		4	21,213	14,490	329	80	22,320		
PROJECT TOTALS														
	78	5,485	38,707	2,563	901	6	11	88,127	23,700	1,247	320	79,460	3,304	140



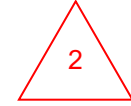
REVISED 7/24/2023

NO.	REVISIONS	BY	DATE
		16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184	
		19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 AECOM Technical Services Inc.- 3580	
		F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0089 PH 281-945-0081 FX	
		© 2023	
US 59			
SUMMARY OF TCP QUANTITIES			
SHEET 6 OF 24			
DN:	RA	FED. RD. DIV. NO.	STATE
CK DN:	AS	6	TEXAS
DW:	AI	STATE DIST.	COUNTY
CK DW:	RA	LRD	WEBB
		CONTROL SECTION NO.	JOB NO.
		0086	14
		075, ETC.	84

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PLAN SHEET NO. / LOCATION	SUMMARY OF WORKZONE TRAFFIC CONTROL ITEMS													
	512 6049	512 6057	512 6058	531 6006	545 6003	545 6005	545 6019	6412 6001	658 6060	658 6088	662 6001	662 6004	662 6012	662 6019
	PORT CTB (REMOVE) (SGL SLP) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 2)	CURB RAMPS (TY 3)	CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	CRASH CUSH ATTEN (INSTL) (S (N) (TL3)	PORTABLE ROADWAY ILLUMINAT ION	REMOVE DELIN & OBJECT MARKER ASSMS	INSTL DEL ASSM (D-SY) SZ 1 (YFLX) SRF	WK ZN PAV MRK NON-REMOV (W) 4" (BRK)	WK ZN PAV MRK NON-REMOV (W) 4" (SLD)	WK ZN PAV MRK NON-REMOV (W) 8" (SLD)	WK ZN PAV MRK NON-REMOV (W) (ENTR GORE)
	LF	LF	LF	EA	EA	EA	EA	DAY	EA	EA	LF	LF	LF	EA
PHASE 0 STEP 1														
CSJ: 0086-14-088														
1 OF 6	STA 253+00.00 TO STA 263+00.00													
2 OF 6	STA 263+00.00 TO STA 274+00.00													
3 OF 6	STA 358+00.00 TO STA 372+00.00													
4 OF 6	STA 372+00.00 TO STA 382+00.00													
CSJ: 0086-14-088 SUBTOTALS														
CSJ: 0086-14-089														
5 OF 6	STA 382+00.00 TO STA 393+00.00													
6 OF 6	STA 393+00.00 TO STA 404+00.00													
CSJ: 0086-14-089 SUBTOTALS														
PHASE 0 STEP 2														
CSJ: 0086-14-088														
1 OF 8	BEGIN TO STA 253+00.00													
2 OF 8	STA 253+00.00 TO STA 263+00.00													
3 OF 8	STA 263+00.00 TO STA 277+00.00													
4 OF 8	STA 351+00.00 TO STA 362+00.00													
5 OF 8	STA 362+00.00 TO STA 372+00.00													
6 OF 8	STA 372+00.00 TO STA 382+00.00													
CSJ: 0086-14-088 SUBTOTALS														
CSJ: 0086-14-089														
7 OF 8	STA 382+00.00 TO STA 393+00.00													
8 OF 8	STA 393+00.00 TO STA 404+00.00													
CSJ: 0086-14-089 SUBTOTALS														
PHASE 0 STEP 3														
CSJ: 0086-14-088														
1 OF 8	BEGIN TO STA 253+00.00													
2 OF 8	STA 253+00.00 TO STA 263+00.00													
3 OF 8	STA 263+00.00 TO STA 274+00.00													
4 OF 8	STA 351+00.00 TO STA 362+00.00													
5 OF 8	STA 362+00.00 TO STA 372+00.00													
6 OF 8	STA 372+00.00 TO STA 382+00.00													
CSJ: 0086-14-088 SUBTOTALS														
CSJ: 0086-14-089														
7 OF 8	STA 382+00.00 TO STA 393+00.00													
8 OF 8	STA 393+00.00 TO STA 404+00.00													
CSJ: 0086-14-089 SUBTOTALS														
PHASE 0 STEP 4														
CSJ: 0086-14-088														
1 OF 10	BEGIN TO STA 253+00.00													
2 OF 10	STA 253+00.00 TO STA 263+00.00													
3 OF 10	STA 263+00.00 TO STA 274+00.00													
4 OF 10	STA 351+00.00 TO STA 362+00.00													
5 OF 10	STA 362+00.00 TO STA 372+00.00													
6 OF 10	STA 372+00.00 TO STA 382+00.00													
CSJ: 0086-14-088 SUBTOTALS														
CSJ: 0086-14-089														
7 OF 10	STA 382+00.00 TO STA 393+00.00													
8 OF 10	STA 393+00.00 TO STA 404+00.00													
9 OF 10	STA 459+00.00 TO STA 470+00.00													
10 OF 10	STA 470+00.00 TO STA 481+00.00													
CSJ: 0086-14-089 SUBTOTALS														
PHASE 1 STEP 1														
CSJ: 0086-14-087														
1 OF 30	STA 197+00.00 TO STA 207+00.00													
2 OF 30	STA 207+00.00 TO STA 217+00.00													
CSJ: 0086-14-087 SUBTOTALS														
CSJ: 0086-14-078														
3 OF 30	STA 217+00.00 TO STA 227+00.00													
4 OF 30	STA 227+00.00 TO STA 237+00.00													
5 OF 30	STA 237+00.00 TO STA 247+00.00													
6 OF 30	STA 247+00.00 TO STA 257+00.00													
CSJ: 0086-14-078 SUBTOTALS														
CSJ: 0086-14-087														
7 OF 30	STA 257+00.00 TO STA 267+00.00													
8 OF 30	STA 267+00.00 TO STA 274+00.00													
CSJ: 0086-14-087 SUBTOTALS														
CSJ: 0086-14-088														
9 OF 30	STA 274+00.00 TO STA 285+00.00													
10 OF 30	STA 285+00.00 TO STA 296+00.00													
11 OF 30	STA 296+00.00 TO STA 307+00.00													
12 OF 30	STA 307+00.00 TO STA 318+00.00													
13 OF 30	STA 318+00.00 TO STA 329+00.00													
14 OF 30	STA 329+00.00 TO STA 340+00.00													
15 OF 30	STA 340+00.00 TO STA 351+00.00													
16 OF 30	STA 351+00.00 TO STA 362+00.00													



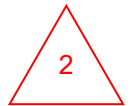
REVISED 7/24/2023

NO.	REVISIONS	BY	DATE
		16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184	
		19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 <small>AECOM Technical Services Inc. 3580</small>	
		F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0069 Ph 281-945-0081 Fx	
		© 2023	
US 59			
SUMMARY OF TCP QUANTITIES			
SHEET 7 OF 24			
DN:	RA	FED. RD. DIV. NO.	STATE
CK DN:	AS	6	TEXAS
DW:	AI	STATE DIST.	COUNTY
CK DW:	RA	LRD	WEBB
		PROJECT NO.	0086
		CONTROL SECTION NO.	14
		JOB NO.	075, ETC.
		SHEET NO.	85

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 ... US59-BW-HALF*PDF.pltcf

PLAN SHEET NO. / LOCATION	SUMMARY OF WORKZONE TRAFFIC CONTROL ITEMS													
	512 6049	512 6057	512 6058	531 6006	545 6003	545 6005	545 6019	6412 6001	658 6060	658 6088	662 6001	662 6004	662 6012	662 6019
	PORT CTB (REMOVE) (SGL SLP) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 2)	CURB RAMPS (TY 3)	CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	CRASH CUSH ATTEN (INSTL) (S (N) (TL3)	PORTABLE ROADWAY ILLUMINAT ION	REMOVE DELIN & OBJECT MARKER ASSMS	INSTL DEL ASSM (D-SY) SZ 1 (YFLX) SRF	WK ZN PAV MRK NON-REMOV (W) 4" (BRK)	WK ZN PAV MRK NON-REMOV (W) 4" (SLD)	WK ZN PAV MRK NON-REMOV (W) 8" (SLD)	WK ZN PAV MRK NON-REMOV (W) (ENTR GORE)
	LF	LF	LF	EA	EA	EA	EA	DAY	EA	EA	LF	LF	LF	EA
17 OF 30 STA 362+00.00 TO STA 372+00.00														
18 OF 30 STA 372+00.00 TO STA 382+00.00					2								253	
CSJ: 0086-14-088 SUBTOTALS					4								253	
CSJ: 0086-14-089														
19 OF 30 STA 382+00.00 TO STA 393+00.00					1									
20 OF 30 STA 393+00.00 TO STA 404+00.00					2									
21 OF 30 STA 404+00.00 TO STA 415+00.00														
22 OF 30 STA 415+00.00 TO STA 426+00.00														
23 OF 30 STA 426+00.00 TO STA 437+00.00														
24 OF 30 STA 437+00.00 TO STA 448+00.00														
25 OF 30 STA 448+00.00 TO STA 459+00.00					2				30					
26 OF 30 STA 459+00.00 TO STA 470+00.00									65					
27 OF 30 STA 470+00.00 TO STA 481+00.00							1		24					
28 OF 30 STA 481+00.00 TO STA 491+30.48							1							
CSJ: 0086-14-089 SUBTOTALS					5		2		30	89				
CSJ: 0086-14-088														
29 OF 30 UNIVERSTIY BLVD-BEGIN TO END														
30 OF 30 DEL MAR BLVD-STA 16+00.00 TO END														
CSJ: 0086-14-088 SUBTOTALS														
CSJ: 0086-14-087														
PHASE 1 STEP 1A-1														
BAYSIDE BLVD / JACAMAN RD														
1 OF 1 BEGIN TO STA 16+00.00					2						660	132		
PHASE 1 STEP 1A-1														
BAYSIDE BLVD / JACAMAN RD														
PHASE 1 STEP 1A-2														
1 OF 2 BEGIN TO STA 16+00.00														
2 OF 2 STA 16+00.00 TO END														
PHASE 1 STEP 1B														
LAKEVIEW BLVD														
1 OF 1 LAKEVIEW BLVD					2									
CSJ: 0086-14-087 SUBTOTALS					4						660	132		
PHASE 1 STEP 1C-1														
CSJ: 0086-14-088														
UNIVERSITY BLVD														
1 OF 2 UNIVERSITY BLVD														
2 OF 2 UNIVERSITY BLVD														
PHASE 1 STEP 1C-2														
UNIVERSITY BLVD														
1 OF 2 UNIVERSITY BLVD												268		
2 OF 2 UNIVERSITY BLVD														
PHASE 1 STEP 1D-1														
DEL MAR BLVD														
1 OF 2 DEL MAR BLVD														
2 OF 2 DEL MAR BLVD														
PHASE 1 STEP 1D-2														
DEL MAR BLVD														
1 OF 2 DEL MAR BLVD														
2 OF 2 DEL MAR BLVD														
PHASE 1 STEP 1E														
INSPIRATION PKWY														
1 OF 1 STA 10+14.00 TO STA 11+26.00														
CSJ: 0086-14-088 SUBTOTALS												268		
PHASE 1 STEP 1F														
CSJ: 0086-14-089														
CREPUSCULO DR														
1 OF 1 STA 10+14.52 TO STA 11+70.00														
CSJ: 0086-14-089 SUBTOTALS														
PHASE 1 STEP 2														
CSJ: 0086-14-088														
1 OF 12 STA 296+00.00 TO STA 307+00.00														
2 OF 12 STA 318+00.00 TO STA 329+00.00					2									
3 OF 12 STA 329+00.00 TO STA 340+00.00														
4 OF 12 STA 340+00.00 TO STA 351+00.00														
5 OF 12 STA 372+00.00 TO STA 382+00.00														
CSJ: 0086-14-088 SUBTOTALS					2									
CSJ: 0086-14-089														
6 OF 12 STA 437+00.00 TO STA 448+00.00														
7 OF 12 STA 448+00.00 TO STA 459+00.00					2									
8 OF 12 STA 459+00.00 TO STA 470+00.00					1									
9 OF 12 STA 470+00.00 TO STA 481+00.00					1									
10 OF 12 STA 481+00.00 TO STA 491+30.48					2									
CSJ: 0086-14-089 SUBTOTALS					6									



REVISED 7/24/2023

NO.	REVISIONS	BY	DATE

OMEGA ENGINEERS, INC. 16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184

AECOM 19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 AECOM Technical Services Inc.- 3580

ENTECH CIVIL ENGINEERS INC F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0089 Ph 281-945-0081 Fx

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Texas Department of Transportation

US 59

SUMMARY OF TCP QUANTITIES

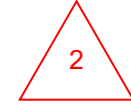
SHEET 8 OF 24

DN:	RA	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	AS	6	TEXAS		US59
DW:	AI	STATE DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
CK DW:	RA	LRD	WEBB	0086 14	075, ETC.

86

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PLAN SHEET NO. / LOCATION	SUMMARY OF WORKZONE TRAFFIC CONTROL ITEMS													
	512 6049	512 6057	512 6058	531 6006	545 6003	545 6005	545 6019	6412 6001	658 6060	658 6088	662 6001	662 6004	662 6012	662 6019
	PORT CTB (REMOVE) (SGL SLP) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 2)	CURB RAMPS (TY 3)	CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	CRASH CUSH ATTEN (INSTL) (N) (TL3)	PORTABLE ROADWAY ILLUMINAT ION	REMOVE DELIN & OBJECT MARKER ASSMS	INSTL DEL ASSM (D-SY) SZ 1 (YFLX) SRF	WK ZN PAV MRK NON-REMOV (W) 4" (BRK)	WK ZN PAV MRK NON-REMOV (W) 4" (SLD)	WK ZN PAV MRK NON-REMOV (W) 8" (SLD)	WK ZN PAV MRK NON-REMOV (W) (ENTR GORE)
	LF	LF	LF	EA	EA	EA	EA	DAY	EA	EA	LF	LF	LF	EA
CSJ: 0086-14-088														
11 OF 12	UNIVERSITY BLVD-BEGIN TO END													
12 OF 12	DEL MAR BLVD-STA 16+00.00 TO END													
CSJ: 0086-14-088 SUBTOTALS														
PHASE 1 STEP 2A														
CSJ: 0086-14-089														
1 OF 4	STA 448+00.00 TO STA 459+00.00													
2 OF 4	STA 459+00.00 TO STA 470+00.00													
3 OF 4	STA 470+00.00 TO STA 481+00.00													
4 OF 4	STA 481+00.00 TO STA 491+30.48													
CSJ: 0086-14-089 SUBTOTALS														
PHASE 1 STEP 2B														
CSJ: 0086-14-089														
1 OF 1	TAMIU DRIVE													
CSJ: 0086-14-089 SUBTOTALS														
PHASE 1 STEP 3														
CSJ: 0086-14-087														
1 OF 1	STA 207+00.00 TO STA 217+00.00													
2 OF 2	217+00.00 TO STA 227+00.00													
CSJ: 0086-14-087 SUBTOTALS														
PHASE 2 STEP 1														
CSJ: 0086-14-087														
1 OF 30	STA 197+00.00 TO STA 207+00.00													
2 OF 30	STA 207+00.00 TO STA 217+00.00													
CSJ: 0086-14-087 SUBTOTALS														
CSJ: 0086-14-078														
3 OF 30	STA 217+00.00 TO STA 227+00.00													
4 OF 30	STA 227+00.00 TO STA 237+00.00													
5 OF 30	STA 237+00.00 TO STA 247+00.00													
6 OF 30	STA 247+00.00 TO STA 257+00.00													
CSJ: 0086-14-078 SUBTOTALS														
CSJ: 0086-14-087														
7 OF 30	STA 257+00.00 TO STA 267+00.00													
8 OF 30	STA 267+00.00 TO STA 274+00.00													
CSJ: 0086-14-087 SUBTOTALS														
CSJ: 0086-14-088														
9 OF 30	STA 274+00.00 TO STA 285+00.00													
10 OF 30	STA 285+00.00 TO STA 296+00.00													
11 OF 30	STA 296+00.00 TO STA 307+00.00													
12 OF 30	STA 307+00.00 TO STA 318+00.00													
13 OF 30	STA 318+00.00 TO STA 329+00.00													
14 OF 30	STA 329+00.00 TO STA 340+00.00													
15 OF 30	STA 340+00.00 TO STA 351+00.00													
16 OF 30	STA 351+00.00 TO STA 362+00.00													
17 OF 30	STA 362+00.00 TO STA 372+00.00													
18 OF 30	STA 372+00.00 TO STA 382+00.00													
CSJ: 0086-14-088 SUBTOTALS														
CSJ: 0086-14-089														
19 OF 30	STA 382+00.00 TO STA 393+00.00													
20 OF 30	STA 393+00.00 TO STA 404+00.00													
21 OF 30	STA 404+00.00 TO STA 415+00.00													
22 OF 30	STA 415+00.00 TO STA 426+00.00													
23 OF 30	STA 426+00.00 TO STA 437+00.00													
24 OF 30	STA 437+00.00 TO STA 448+00.00													
25 OF 30	STA 448+00.00 TO STA 459+00.00													
26 OF 30	STA 459+00.00 TO STA 470+00.00													
27 OF 30	STA 470+00.00 TO STA 481+00.00													
28 OF 30	STA 481+00.00 TO STA 491+30.48													
CSJ: 0086-14-089 SUBTOTALS														
CSJ: 0086-14-088														
29 OF 30	UNIVERSITY BLVD-BEGIN TO END													
30 OF 30	DEL MAR BLVD-STA 16+00.00 TO END													
CSJ: 0086-14-088 SUBTOTALS														
PHASE 2 STEP 2														
CSJ: 0086-14-087														
1 OF 29	STA 197+00.00 TO STA 207+00.00													
2 OF 29	STA 207+00.00 TO STA 217+00.00													
CSJ: 0086-14-087 SUBTOTALS														
CSJ: 0086-14-078														
3 OF 29	STA 217+00.00 TO STA 227+00.00													
4 OF 29	STA 227+00.00 TO STA 237+00.00													
5 OF 29	STA 237+00.00 TO STA 247+00.00													
6 OF 29	STA 247+00.00 TO STA 257+00.00													
CSJ: 0086-14-078 SUBTOTALS														

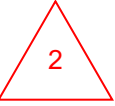
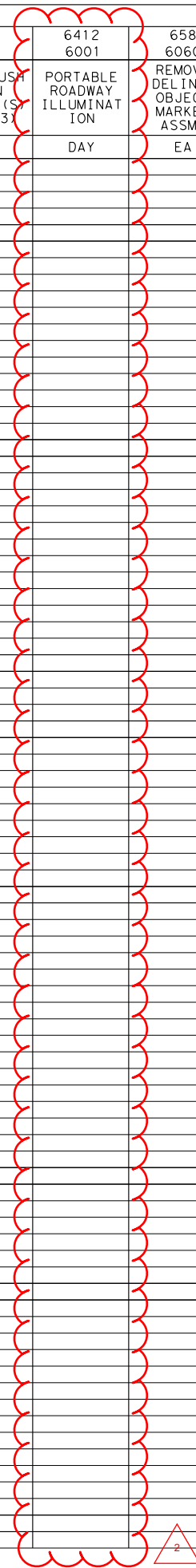


REVISED 7/24/2023

NO.	REVISIONS	BY	DATE
16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184			
19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 <small>AECOM Technical Services Inc. 3580</small>			
F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0089 Ph 281-945-0081 Fx <small>CIVIL ENGINEERS INC</small>			
US 59			
SUMMARY OF TCP QUANTITIES			
SHEET 9 OF 24			
DN:	RA	FED. RD. DIV. NO.	STATE
CK DN:	AS	6	TEXAS
DW:	AI	STATE DIST.	COUNTY
CK DW:	RA	LRD	WEBB
		PROJECT NO.	HIGHWAY NO.
		0086 14	075, ETC.
		JOB NO.	SHEET NO.
		075, ETC.	87

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PLAN SHEET NO. / LOCATION	SUMMARY OF WORKZONE TRAFFIC CONTROL ITEMS													
	512 6049	512 6057	512 6058	531 6006	545 6003	545 6005	545 6019	6412 6001	658 6060	658 6088	662 6001	662 6004	662 6012	662 6019
	PORT CTB (REMOVE) (SGL SLP) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 2)	CURB RAMPS (TY 3)	CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	CRASH CUSH ATTEN (INSTL) (S (N) (TL3)	PORTABLE ROADWAY ILLUMINAT ION	REMOVE DELIN & OBJECT MARKER ASSMS	INSTL DEL ASSM (D-SY) SZ 1 (YFLX) SRF	WK ZN PAV MRK NON-REMOV (W) 4" (BRK)	WK ZN PAV MRK NON-REMOV (W) 4" (SLD)	WK ZN PAV MRK NON-REMOV (W) 8" (SLD)	WK ZN PAV MRK NON-REMOV (W) (ENTR GORE)
	LF	LF	LF	EA	EA	EA	EA	DAY	EA	EA	LF	LF	LF	EA
CSJ: 0086-14-087														
7 OF 29	STA 257+00.00 TO STA 267+00.00													
8 OF 29	STA 267+00.00 TO STA 274+00.00													
CSJ: 0086-14-087 SUBTOTALS														
CSJ: 0086-14-088														
9 OF 29	STA 274+00.00 TO STA 285+00.00													
10 OF 29	STA 285+00.00 TO STA 296+00.00													
11 OF 29	STA 296+00.00 TO STA 307+00.00													
12 OF 29	STA 307+00.00 TO STA 318+00.00													
13 OF 29	STA 318+00.00 TO STA 329+00.00													
14 OF 29	STA 329+00.00 TO STA 340+00.00													
15 OF 29	STA 340+00.00 TO STA 351+00.00													
16 OF 29	STA 351+00.00 TO STA 362+00.00													
17 OF 29	STA 362+00.00 TO STA 372+00.00													
18 OF 29	STA 372+00.00 TO STA 382+00.00													
CSJ: 0086-14-088 SUBTOTALS														
CSJ: 0086-14-089														
19 OF 29	STA 382+00.00 TO STA 393+00.00													
20 OF 29	STA 393+00.00 TO STA 404+00.00													
21 OF 29	STA 404+00.00 TO STA 415+00.00													
22 OF 29	STA 415+00.00 TO STA 426+00.00													
23 OF 29	STA 426+00.00 TO STA 437+00.00													
24 OF 29	STA 437+00.00 TO STA 448+00.00													
25 OF 29	STA 448+00.00 TO STA 459+00.00													
26 OF 29	STA 459+00.00 TO STA 470+00.00													
27 OF 29	STA 470+00.00 TO STA 481+00.00													
28 OF 29	STA 481+00.00 TO STA 491+30.48													
CSJ: 0086-14-089 SUBTOTALS														
CSJ: 0086-14-088														
29 OF 29	DEL MAR BLVD-STA 16+00.00 TO END													
CSJ: 0086-14-088 SUBTOTALS														
CSJ: 0086-14-078														
PHASE 2 STEP 2A-1														
JACAMAN RD														
1 OF 1	JACAMAN RD													
PHASE 2 STEP 2A-2														
JACAMAN RD														
1 OF 1	JACAMAN RD													
CSJ: 0086-14-078 SUBTOTALS														
CSJ: 0086-14-088														
PHASE 2 STEP 2B														
UNIVERSITY BLVD														
1 OF 2	BEGIN TO 10+00.00													
2 OF 2	10+00.00 TO END													
PHASE 2 STEP 2C-1														
DEL MAR BLVD														
1 OF 2	BEGIN TO 12+00.00													
2 OF 2	12+00.00 TO END													
PHASE 2 STEP 2C-2														
DEL MAR BLVD														
1 OF 2	BEGIN TO 12+00.00													
2 OF 2	12+00.00 TO END													
CSJ: 0086-14-088 SUBTOTALS														
CSJ: 0086-14-089														
PHASE 2 STEP 2D														
SHILOH DR														
1 OF 2	BEGIN TO STA 5+00.00													
2 OF 2	STA 5+00.00 TO END													
CSJ: 0086-14-089 SUBTOTALS														
CSJ: 0086-14-087														
PHASE 2 STEP 2E														
ROSSON RD														
1 OF 1	STA 10+60.00 TO STA 12+50.73													
PHASE 2 STEP 2F														
ARENA BLVD														
1 OF 1	STA 10+60.47 TO STA 11+57.15													
PHASE 2 STEP 2G														
SINATRA PKWY														
1 OF 1	STA 10+19.92 TO STA 11+55.00													
CSJ: 0086-14-087 SUBTOTALS														

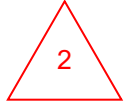


REVISED 7/24/2023

NO.	REVISIONS	BY	DATE
16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184			
19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 AECOM Technical Services Inc.- 3580			
F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0089 Ph 281-945-0081 Fx			
© 2023			
US 59 SUMMARY OF TCP QUANTITIES			
SHEET 10 OF 24			
DN:	RA	FED. RD. DIV. NO.	STATE
CK DN:	AS	6	TEXAS
DW:	AI	STATE DIST.	COUNTY
CK DW:	RA	LRD	WEBB
		CONTROL NO.	SECTION NO.
		0086	14
		JOB NO.	075, ETC.
		SHEET NO.	88

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PLAN SHEET NO. / LOCATION	SUMMARY OF WORKZONE TRAFFIC CONTROL ITEMS													
	512 6049	512 6057	512 6058	531 6006	545 6003	545 6005	545 6019	6412 6001	658 6060	658 6088	662 6001	662 6004	662 6012	662 6019
	PORT CTB (REMOVE) (SGL SLP) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 2)	CURB RAMPS (TY 3)	CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	CRASH CUSH ATTEN (INSTL) (S (N) (TL3)	PORTABLE ROADWAY ILLUMINAT ION	REMOVE DELIN & OBJECT MARKER ASSMS	INSTL DEL ASSM (D-SY) SZ 1 (YFLX) SRF	WK ZN PAV MRK NON-REMOV (W) 4" (BRK)	WK ZN PAV MRK NON-REMOV (W) 4" (SLD)	WK ZN PAV MRK NON-REMOV (W) 8" (SLD)	WK ZN PAV MRK NON-REMOV (W) (ENTR GORE)
	LF	LF	LF	EA	EA	EA	EA	DAY	EA	EA	LF	LF	LF	EA
CSJ: 0086-14-088 PHASE 2 STEP 2H														
WINFIELD PKWY 1 OF 1 STA 10+21.00 TO STA 11+36.00														
PHASE 2 STEP 2I														
BLUE QUAIL RD 1 OF 3 BEGIN TO STA 362+00.00														
2 OF 3 STA 362+00.00 TO STA 372+00.00														
3 OF 3 STA 372+00.00 TO STA 382+00.00														
CSJ: 0086-14-088 SUBTOTALS														
CSJ: 0086-14-089 PHASE 2 STEP 2J														
ESKIMO DR 1 OF 1 STA 7+18.60 TO STA 7+85.48														
PHASE 2 STEP 2K														
HAVANA DR 1 OF 1 STA 7+55.00 TO STA 8+85.46														
CSJ: 0086-14-089 SUBTOTALS														
PHASE 3 STEP 1 CSJ: 0086-14-087														
1 OF 28 STA 197+00.00 TO STA 207+00.00					2	2								
2 OF 28 STA 207+00.00 TO STA 217+00.00					2	2								
CSJ: 0086-14-087 SUBTOTALS					2	2								
CSJ: 0086-14-078														
3 OF 28 STA 217+00.00 TO STA 227+00.00					1	1								
4 OF 28 STA 227+00.00 TO STA 237+00.00					1	1								
5 OF 28 STA 237+00.00 TO STA 247+00.00					1	1								
6 OF 28 STA 247+00.00 TO STA 257+00.00					3	3								
CSJ: 0086-14-078 SUBTOTALS					3	3								
CSJ: 0086-14-087														
7 OF 28 STA 257+00.00 TO STA 267+00.00														
8 OF 28 STA 267+00.00 TO STA 274+00.00														
CSJ: 0086-14-087 SUBTOTALS														
CSJ: 0086-14-088														
9 OF 28 STA 274+00.00 TO STA 285+00.00	210													
10 OF 28 STA 285+00.00 TO STA 296+00.00	890				1	1								
11 OF 28 STA 296+00.00 TO STA 307+00.00														
12 OF 28 STA 307+00.00 TO STA 318+00.00														
13 OF 28 STA 318+00.00 TO STA 329+00.00														
14 OF 28 STA 329+00.00 TO STA 340+00.00	560													
15 OF 28 STA 340+00.00 TO STA 351+00.00	930				1	1								
16 OF 28 STA 351+00.00 TO STA 362+00.00	90													
17 OF 28 STA 362+00.00 TO STA 372+00.00	530													
18 OF 28 STA 372+00.00 TO STA 382+00.00	690				1	1								
CSJ: 0086-14-088 SUBTOTALS	3,900				3	3								
CSJ: 0086-14-089														
19 OF 28 STA 382+00.00 TO STA 393+00.00	960													
20 OF 28 STA 393+00.00 TO STA 404+00.00	1,090													
21 OF 28 STA 404+00.00 TO STA 415+00.00	150	1247	320		1	1								
22 OF 28 STA 415+00.00 TO STA 426+00.00	210													
23 OF 28 STA 426+00.00 TO STA 437+00.00	490				1	1								
24 OF 28 STA 437+00.00 TO STA 448+00.00														
25 OF 28 STA 448+00.00 TO STA 459+00.00	30													
26 OF 28 STA 459+00.00 TO STA 470+00.00	560				1	1								
27 OF 28 STA 470+00.00 TO STA 481+00.00														
28 OF 28 STA 481+00.00 TO STA END PROJECT														
CSJ: 0086-14-089 SUBTOTALS	3,490	1,247	320		3	3								
PHASE 3 STEP 1A CSJ: 0086-14-078														
1 OF 7 STA 227+00.00 TO STA 237+00.00														
2 OF 7 STA 237+00.00 TO STA 247+00.00														
3 OF 7 STA 247+00.00 TO STA 257+00.00														
CSJ: 0086-14-078 SUBTOTALS														
CSJ: 0086-14-088														
4 OF 7 STA 296+00.00 TO STA 307+00.00	1,760				1	1								
5 OF 7 STA 340+00.00 TO STA 351+00.00														
6 OF 7 UNIVERSITY BLVD-BEGIN TO END														
7 OF 7 DEL MAR BLVD-BEGIN TO END														
CSJ: 0086-14-088 SUBTOTALS	1,760				1	1								



REVISED 7/24/2023

NO.	REVISIONS	BY	DATE

OMEGA ENGINEERS, INC. 16360 PARK TEN PLACE, Ste. #325
HOUSTON TEXAS, 77084
OMEGAENGINEERS.COM
TX PE Firm Reg. No. F-2147
Pz281 647 9182 Fz281 647 9184

AECOM 19219 KATY FREEWAY
SUITE 100
HOUSTON, TX 77094
AECOM Technical Services Inc.- 3580

ENTECH CIVIL ENGINEERS INC F-6932
15021 Katy Freeway,
Suite 500
Houston, Texas, 77094
281-945-0069 Ph
281-945-0081 Fx

Texas Department of Transportation © 2023

US 59
SUMMARY OF TCP QUANTITIES

SHEET 11 OF 24

DN:	RA	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	AS	6	TEXAS		US59
DW:	AI	STATE DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
CK DW:	RA	LRD	WEBB	0086 14	075, ETC.

89

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 ... \US59-BW-HALF*PDF.pltcfq

PLAN SHEET NO. / LOCATION	SUMMARY OF WORKZONE TRAFFIC CONTROL ITEMS														
	512 6049	512 6057	512 6058	531 6006	545 6003	545 6005	545 6019	6412 6001	658 6060	658 6088	662 6001	662 6004	662 6012	662 6019	
	PORT CTB (REMOVE) (SGL SLP) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 2)	CURB RAMPS (TY 3)	CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	CRASH CUSH ATTEN (INSTL) (S (N) (TL3)	PORTABLE ROADWAY ILLUMINAT ION	REMOVE DELIN & OBJECT MARKER ASSMS	INSTL DEL ASSM (D-SY) SZ 1 (YFLX) SRF	WK ZN PAV MRK NON-REMOV (W) 4" (BRK)	WK ZN PAV MRK NON-REMOV (W) 4" (SLD)	WK ZN PAV MRK NON-REMOV (W) 8" (SLD)	WK ZN PAV MRK NON-REMOV (W) (ENTR GORE)	
	LF	LF	LF	EA	EA	EA	EA	DAY	EA	EA	LF	LF	LF	EA	
PHASE 3 STEP 1B															
CSJ: 0086-14-078															
1 OF 10	STA 217+00.00 TO STA 227+00.00													1,410	
2 OF 10	STA 227+00.00 TO STA 237+00.00													270	1
3 OF 10	STA 237+00.00 TO STA 247+00.00													1,230	1
4 OF 10	STA 247+00.00 TO STA 257+00.00														
CSJ: 0086-14-078 SUBTOTALS															
	2,910				2	2									
CSJ: 0086-14-088															
5 OF 10	STA 296+00.00 TO STA 307+00.00														
6 OF 10	STA 307+00.00 TO STA 318+00.00														190
CSJ: 0086-14-088 SUBTOTALS															
													190		
CSJ: 0086-14-089															
7 OF 10	STA 393+00.00 TO STA 404+00.00														1
8 OF 10	STA 404+00.00 TO STA 415+00.00													1,950	2
9 OF 10	STA 415+00.00 TO STA 426+00.00														2
CSJ: 0086-14-089 SUBTOTALS															
	1,950				3	3									
CSJ: 0086-14-088															
10 OF 10	UNIVERSITY BLVD-BEGIN TO END														
CSJ: 0086-14-088 SUBTOTALS															
PHASE 3 STEP 1C															
CSJ: 0086-14-078															
1 OF 11	STA 207+00.00 TO STA 217+00.00														
2 OF 11	STA 217+00.00 TO STA 227+00.00													4,200	
3 OF 11	STA 227+00.00 TO STA 237+00.00													1,560	
4 OF 11	STA 237+00.00 TO STA 247+00.00														
5 OF 11	STA 247+00.00 TO STA 257+00.00														
CSJ: 0086-14-078 SUBTOTALS															
	5,760														
CSJ: 0086-14-088															
6 OF 11	STA 340+00.00 TO STA 351+00.00													1,440	1
7 OF 11	STA 351+00.00 TO STA 362+00.00													60	1
CSJ: 0086-14-088 SUBTOTALS															
	1,500				2	2									
CSJ: 0086-14-089															
8 OF 11	STA 404+00.00 TO STA 415+00.00														
9 OF 11	STA 415+00.00 TO STA 426+00.00														
10 OF 11	STA 415+00.00 TO STA 426+00.00														
CSJ: 0086-14-089 SUBTOTALS															
CSJ: 0086-14-088															
11 OF 11	DEL MAR BLVD-BEGIN TO END														
CSJ: 0086-14-088 SUBTOTALS															
PHASE 3 STEP 1D															
CSJ: 0086-14-088															
1 OF 2	STA 340+00.00 TO STA 351+00.00														
CSJ: 0086-14-089 SUBTOTALS															
CSJ: 0086-14-088															
2 OF 2	DEL MAR BLVD-BEGIN TO END														
CSJ: 0086-14-088 SUBTOTALS															
PHASE 4 STEP 1															
CSJ: 0086-14-087															
1 OF 5	STA 197+00.00 TO STA 207+00.00													150	
2 OF 5	STA 207+00.00 TO STA 217+00.00													480	1
CSJ: 0086-14-087 SUBTOTALS															
	630				1	1									
CSJ: 0086-14-078															
3 OF 5	STA 217+00.00 TO STA 227+00.00													840	2
4 OF 5	STA 257+00.00 TO STA 267+00.00													960	2
5 OF 5	STA 267+00.00 TO STA 274+00.00														
CSJ: 0086-14-078 SUBTOTALS															
	1,800				4										
PHASE 4 STEP 2															
CSJ: 0086-14-087															
1 OF 3	STA 197+00.00 TO STA 207+00.00														
2 OF 3	STA 207+00.00 TO STA 217+00.00														4
CSJ: 0086-14-087 SUBTOTALS															
					4										
CSJ: 0086-14-078															
3 OF 3	STA 217+00.00 TO STA 227+00.00														
CSJ: 0086-14-078 SUBTOTALS															
CSJ: 0086-14-078 GRAND TOTALS															
	10,470				31	9									
CSJ: 0086-14-087 GRAND TOTALS															
	630				22	3									
CSJ: 0086-14-088 GRAND TOTALS															
	7,160			4	38	6	10		657	1,749	1,324	132			
CSJ: 0086-14-089 GRAND TOTALS															
	5,440	1,247	320	2	29	6	18	90	50	428	3,666	10,679	1,162	1	
PROJECT TOTALS															
	23,700	1,247	320	6	120	24	28	90	50	1,085	5,415	16,709	2,284	1	



REVISED 7/24/2023

NO.		REVISIONS		BY	DATE
OMEGA ENGINEERS, INC.		16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 P1281 647 9182 F1281 647 9184			
AECOM		19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 AECOM Technical Services Inc.- 3580			
ENTECH		F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0089 PH 281-945-0081 FX CIVIL ENGINEERS INC			
		© 2023			
US 59					
SUMMARY OF TCP QUANTITIES					
SHEET 12 OF 24					
DN:	RA	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	AS	6	TEXAS		US59
DW:	AI	STATE DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
CK DW:	RA	LRD	WEBB	0086 14	075, ETC.
					90

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PLAN SHEET NO. / LOCATION	SUMMARY OF ROADWAY ITEMS												
	100 6002	100 6004	110 6001	132 6006	216 6001	247 6041	310 6009	354 6021	354 6045	360 6004	360 6006	360 6043	360 6080
	PREPARING ROW	PREPARING ROW (TREE) (12" TO 24" DIA)	EXCAVATION (ROADWAY)	EMBANKMENT (FINAL) (DE NS CONT) (TY C)	PROOF ROLLING	FL BS (CMP IN PLC) (TYA GR1-2) (FNAL POS)	PRIME COAT (MC-30)	PLANE ASPH CONC PAV (0" TO 2")	PLANE ASPH CONC PAV (2")	CONC PVMT (CONT REINF - CRCP) (10")	CONC PVMT (CONT REINF - CRCP) (12")	CONC PVMT (CONT REINF) (FAST TRK) (13")	CONC PVMT (CRCP) (TRANSITION SLAB)
STA	EA	CY	CY	HR	CY	GAL	SY	SY	SY	SY	SY	SY	
CSJ: 0086-14-087													
INTERIM NB FRONTAGE RD													
1 OF 1	BEGIN TO END												
CSJ: 0086-14-087													
NB FRONTAGE ROAD													
1 OF 27	BEGIN TO STA 216+00.00												
2 OF 27	STA 216+00.00 TO STA 226+00.00												
3 OF 27	STA 226+00.00 TO STA 236+00.00												
4 OF 27	STA 236+00.00 TO STA 246+00.00												
5 OF 27	STA 246+00.00 TO STA 256+00.00												
6 OF 27	STA 256+00.00 TO STA 266+00.00												
7 OF 27	STA 266+00.00 TO STA 277+00.00												
CSJ: 0086-14-087 SUBTOTALS					13	5,080	6,096			27,859			
CSJ: 0086-14-088													
8 OF 27	STA 266+00.00 TO STA 277+00.00												
9 OF 27	STA 277+00.00 TO STA 288+00.00												
10 OF 27	STA 288+00.00 TO STA 299+00.00												
11 OF 27	STA 299+00.00 TO STA 310+00.00												
12 OF 27	STA 310+00.00 TO STA 321+00.00												
13 OF 27	STA 321+00.00 TO STA 332+00.00												
14 OF 27	STA 332+00.00 TO STA 343+00.00												
15 OF 27	STA 343+00.00 TO STA 354+00.00												
15 OF 27	STA 354+00.00 TO STA 364+00.00												
16 OF 27	STA 364+00.00 TO STA 373+00.00												
17 OF 27	STA 373+00.00 TO STA 382+00.00												
CSJ: 0086-14-088 SUBTOTALS					19	8,332	13,319			46,165			
CSJ: 0086-14-089													
18 OF 27	STA 382+00.00 TO STA 393+00.00												
19 OF 27	STA 393+00.00 TO STA 404+00.00												
20 OF 27	STA 404+00.00 TO STA 415+00.00												
21 OF 27	STA 415+00.00 TO STA 426+00.00												
22 OF 27	STA 426+00.00 TO STA 437+00.00												
23 OF 27	STA 437+00.00 TO STA 448+00.00												
24 OF 27	STA 448+00.00 TO STA 459+00.00												
25 OF 27	STA 459+00.00 TO STA 470+00.00												
26 OF 27	STA 470+00.00 TO STA 481+00.00												
27 OF 27	STA 481+00.00 TO STA 492+00.00												
CSJ: 0086-14-089 SUBTOTALS					17	9,002	10,800	496		50,239			67
CSJ: 0086-14-087													
INTERIM SB FRONTAGE RD													
1 OF 1	BEGIN TO END												
CSJ: 0086-14-087													
SB FRONTAGE ROAD													
1 OF 26	BEGIN TO STA 228+00.00												
2 OF 26	STA 228+00.00 TO STA 238+00.00												
3 OF 26	STA 238+00.00 TO STA 248+00.00												
4 OF 26	STA 248+00.00 TO STA 258+00.00												
5 OF 26	STA 258+00.00 TO STA 268+00.00												
6 OF 26	STA 268+00.00 TO STA 277+00.00												
CSJ: 0086-14-087 SUBTOTALS					11	4,411	5,292			24,388		2,638	
CSJ: 0086-14-088													
7 OF 26	BEGIN TO STA 277+00.00												
8 OF 26	STA 277+00.00 TO STA 288+00.00												
9 OF 26	STA 288+00.00 TO STA 299+00.00												
10 OF 26	STA 299+00.00 TO STA 310+00.00												
11 OF 26	STA 310+00.00 TO STA 321+00.00												
12 OF 26	STA 321+00.00 TO STA 332+00.00												
13 OF 26	STA 332+00.00 TO STA 343+00.00												
CSJ: 0086-14-088 SUBTOTALS					12	5,346	6,417			29,372		1,267	
CSJ: 0086-14-088													
SB FRONTAGE ROAD (CONT'D)													
13 OF 26	STA 343+00.00 TO STA 353+50.00												
14 OF 26	STA 353+50.00 TO STA 363+00.00												
15 OF 26	STA 363+00.00 TO STA 372+00.00												
16 OF 26	STA 372+00.00 TO STA 381+50.00												
CSJ: 0086-14-088 SUBTOTALS					8	3,388	4,067			18,823			
CSJ: 0086-14-089													
17 OF 26	STA 381+50.00 TO STA 392+00.00												
18 OF 26	STA 392+00.00 TO STA 403+00.00												
19 OF 26	STA 403+00.00 TO STA 414+00.00												
20 OF 26	STA 414+00.00 TO STA 425+00.00												
21 OF 26	STA 425+00.00 TO STA 436+00.00												
22 OF 26	STA 436+00.00 TO STA 447+00.00												
23 OF 26	STA 447+00.00 TO STA 458+00.00												
24 OF 26	STA 458+00.00 TO STA 469+00.00												
25 OF 26	STA 469+00.00 TO STA 480+00.00												
26 OF 26	STA 480+00.00 TO STA 491+00.00												
CSJ: 0086-14-089 SUBTOTALS					15	7,460	8,950			41,044		1,479	33

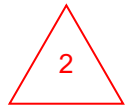
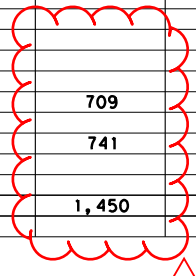
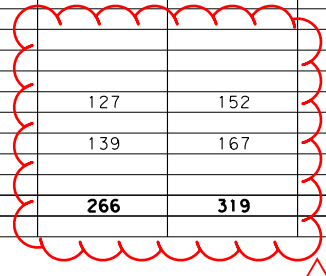
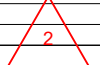
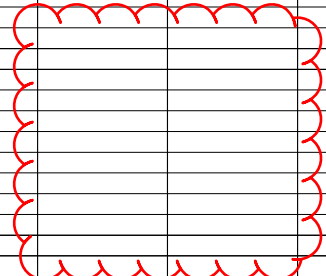
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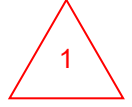
	REVISIONS	BY	DATE
16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184			
AECOM Technical Services Inc.-3580 19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094			
F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0069 PH 281-945-0081 FX			
© 2023			
<h2 style="margin: 0;">US 59</h2>			
<h3 style="margin: 0;">SUMMARY OF ROADWAY QUANTITIES</h3>			
SHEET 2 OF 20			
DN:	RA	FED. RD. DIV. NO.	STATE
CK DN:	AS	6	TEXAS
DW:	AI	STATE DIST.	COUNTY
CK DW:	RA	LRD	WEBB
		CONTROL NO.	SECTION NO.
		0086	14
		JOB NO.	SHEET NO.
		075, ETC.	107



PLAN SHEET NO. / LOCATION	SUMMARY OF ROADWAY ITEMS												
	100 6002	100 6004	110 6001	132 6006	216 6001	247 6041	310 6009	354 6021	354 6045	360 6004	360 6006	360 6043	360 6080
	PREPARING ROW	PREPARING ROW (TREE) (12" TO 24" DIA)	EXCAVATION (ROADWAY)	EMBANKMENT (FINAL) (DE NS CONT) (TY C)	PROOF ROLLING	FL BS (CMP IN PLC) (TYA GR1-2) (FNAL POS)	PRIME COAT (MC-30)	PLANE ASPH CONC PAV (0" TO 2")	PLANE ASPH CONC PAV (2")	CONC PVMT (CONT REINF - CRCP) (10")	CONC PVMT (CONT REINF - CRCP) (12")	CONC PVMT (CONT REINF) (FAST TRK) (13")	CONC PVMT (CRCP) (TRANSITION SLAB)
	STA	EA	CY	CY	HR	CY	GAL	SY	SY	SY	SY	SY	SY
CSJ: 0086-14-078													
CROSS STREETS													
JACAMAN RD													
1 OF 1	STA 6+90.00 TO STA 15+22.50				2							8,033	
CSJ: 0086-14-078 SUBTOTALS													
CSJ: 0086-14-088													
UNIVERSITY BLVD													
1 OF 1	STA 6+06.00 TO STA 14+42.00	10			3							9,644	
DEL MAR BLVD													
1 OF 2	STA 6+30.00 TO STA 15+50.00				3							10,544	
2 OF 2	STA 15+50.00 TO STA 18+30.50				1							1,000	
CSJ: 0086-14-088 SUBTOTALS													
CSJ: 0086-14-089													
SHILOH DR													
1 OF 1	STA 5+15.00 TO STA 13+50.00				2	1,285	1,542			7,187			
CSJ: 0086-14-089 SUBTOTALS													
CSJ: 0086-14-087													
TURNAROUND													
JACAMAN RD N-S TURNAROUND													
1 OF 1	STA 12+33.93 TO STA 15+39.32				1	190	228			1,023			
JACAMAN RD S-N TURNAROUND													
1 OF 1	STA 10+92.51 TO STA 13+84.96				1	194	233			1,051			
CSJ: 0086-14-087 SUBTOTALS													
CSJ: 0086-14-088													
UNIVERSITY BLVD N-S TURNAROUND													
1 OF 1	STA 12+12.42 TO STA 16+26.68				1	251	302			1,358			
UNIVERSITY BLVD S-N TURNAROUND													
1 OF 1	STA 12+11.85 TO STA 16+54.68				1	220	264			1,167			
CSJ: 0086-14-088 SUBTOTALS													
CSJ: 0086-14-088													
TURNAROUND (CONT'D)													
DEL MAR BLVD N-S TURNAROUND													
1 OF 1	STA 11+97.52 TO STA 16+09.05				1	203	244			1,076			
DEL MAR BLVD S-N TURNAROUND													
1 OF 1	STA 12+20.57 TO STA 16+30.16				1	235	249			1,101			
CSJ: 0086-14-088 SUBTOTALS													
CSJ: 0086-14-089													
SHILOH DR N-S TURNAROUND													
1 OF 1	STA 10+83.19 TO STA 12+61.57				1	124	148			656			
SHILOH DR S-N TURNAROUND													
1 OF 1	STA 12+90.00 TO STA 14+69.67				1	122	146			646			
CSJ: 0086-14-089 SUBTOTALS													
CSJ: 0086-14-087													
SIDE STREET													
VERO DR													
1 OF 1	STA 10+19.92 TO STA 11+55.00				1							938	
ARENA BLVD													
1 OF 1	STA 10+60.47 TO STA 11+57.15				1	127	152			709			
ROSSON RD													
1 OF 1	STA 10+60.00 TO STA 12+50.73				1	139	167			741			
LAKEVIEW BLVD													
1 OF 1	STA 10+14.07 TO STA 12+25.00				2							2,756	
CSJ: 0086-14-087 SUBTOTALS													
CSJ: 0086-14-087													
SIDE STREET													
VERO DR													
1 OF 1	STA 10+19.92 TO STA 11+55.00				1							938	
ARENA BLVD													
1 OF 1	STA 10+60.47 TO STA 11+57.15				1	127	152			709			
ROSSON RD													
1 OF 1	STA 10+60.00 TO STA 12+50.73				1	139	167			741			
LAKEVIEW BLVD													
1 OF 1	STA 10+14.07 TO STA 12+25.00				2							2,756	
CSJ: 0086-14-087 SUBTOTALS													



REVISED 7/24/2023



REPRINTED 7/17/2023

NO.		REVISIONS		BY	DATE
OMEGA ENGINEERS, INC.		16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184			
AECOM		19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 AECOM Technical Services Inc. 3580			
ENTECH		F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0069 PH 281-945-0081 FX			
		© 2023			
US 59					
SUMMARY OF ROADWAY QUANTITIES					
SHEET 4 OF 20					
DN:	RA	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	AS	6	TEXAS		US59
DW:	AI	STATE DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
CK DW:	RA	LRD	WEBB	0086 14	075, ETC.
					109

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PLAN SHEET NO. / LOCATION	SUMMARY OF ROADWAY ITEMS												
	100 6002	100 6004	110 6001	132 6006	216 6001	247 6041	310 6009	354 6021	354 6045	360 6004	360 6006	360 6043	360 6080
	PREPARING ROW	PREPARING ROW (TREE) (12" TO 24" DIA)	EXCAVATION (ROADWAY)	EMBANKMENT (FINAL) (DE NS CONT) (TY C)	PROOF ROLLING	FL BS (CMP IN PLC) (TYA GR-2) (FNAL POS)	PRIME COAT (MC-30)	PLANE ASPH CONC PAV (0" TO 2")	PLANE ASPH CONC PAV (2")	CONC PVMT (CONC REINF - CRCP) (10")	CONC PVMT (CONC REINF - CRCP) (12")	CONC PVMT (CONC REINF (FAST TRK) (13")	CONC PVMT (CRCP) (TRANSITION SLAB)
STA	EA	CY	CY	HR	CY	GAL	SY	SY	SY	SY	SY	SY	
CSJ: 0086-14-088													
SIDE STREET (CONT'D)													
TAMIU DR													
1 OF 1 STA 10+14.04 TO STA 13+06.48												2,163	
BLUE QUAIL DR													
1 OF 1 STA 10+50.00 TO STA 12+42.00					2	163	196			909			
WINFIELD PKWY													
1 OF 1 STA 10+21.00 TO STA 11+36.00					2							673	
INSPIRATION PKWY													
1 OF 1 STA 10+14.00 TO STA 11+26.00					2							725	
CSJ: 0086-14-088 SUBTOTALS					6	163	196			909		3,561	
CSJ: 0086-14-089													
ESKIMO DR													
1 OF 1 STA 7+18.60 TO STA 7+85.48					1							310	
BUCKY HOUDMAN BLVD													
1 OF 1 STA 10+14.56 TO STA 12+30.00					1	227	273		1,278				
CREPUSCULO DR													
1 OF 1 STA 10+14.52 TO STA 11+70.00					1							1,161	
HAVANA DR													
1 OF 1 STA 7+55.00 TO STA 8+85.46					1							570	
CSJ: 0086-14-089 SUBTOTALS					4	227	273		1,278			2,041	
CSJ: 0086-14-087													
SHARED USED PATH INTERIM													
1 OF 1 BEGIN TO STA 266+00.00					1	79	47						
SHARED USED PATH													
1 OF 28 BEGIN TO STA 204+00.00					1	239	143						
2 OF 28 STA 204+00.00 TO STA 214+00.00					1	249	149						
3 OF 28 STA 214+00.00 TO STA 226+00.00					1	247	148						
4 OF 28 STA 226+00.00 TO STA 234+00.00					1	259	156						
5 OF 28 STA 234+00.00 TO STA 244+00.00					1	218	131						
6 OF 28 STA 244+00.00 TO STA 254+00.00					1	214	128						
7 OF 28 STA 254+00.00 TO STA 264+00.00					1	259	156						
8 OF 28 STA 264+00.00 TO STA 274+00.00					1	128	77						
CSJ: 0086-14-087 SUBTOTALS					9	1,893	1,136						
CSJ: 0086-14-088													
9 OF 28 STA 274+00.00 TO STA 277+00.00					1	189	113						
10 OF 28 STA 277+00.00 TO STA 288+00.00					1	271	163						
11 OF 28 STA 288+00.00 TO STA 299+00.00					1	269	161						
12 OF 28 STA 299+00.00 TO STA 310+00.00					1	240	144						
13 OF 28 STA 310+00.00 TO STA 321+00.00					1	269	162						
14 OF 28 STA 321+00.00 TO STA 332+00.00					1	285	171						
15 OF 28 STA 332+00.00 TO STA 343+00.00					1	272	163						
16 OF 28 STA 343+00.00 TO STA 353+50.00					1	222	133						
16 OF 28 STA 353+50.00 TO STA 363+00.00					1	249	300						
17 OF 28 STA 363+00.00 TO STA 372+50.00					1	226	271						
18 OF 28 STA 372+50.00 TO STA 381+50.00					1	202	243						
CSJ: 0086-14-088 SUBTOTALS					11	2,693	2,024						
CSJ: 0086-14-089													
19 OF 28 STA 381+50.00 TO STA 393+00.00					1	299	358						
20 OF 28 STA 393+00.00 TO STA 404+00.00					1	278	333						
21 OF 28 STA 404+00.00 TO STA 415+00.00					1	228	274						
22 OF 28 STA 415+00.00 TO STA 426+00.00					1	266	319						
23 OF 28 STA 426+00.00 TO STA 437+00.00					1	277	333						
24 OF 28 STA 437+00.00 TO STA 448+00.00					1	238	285						
25 OF 28 STA 448+00.00 TO STA 459+00.00					1	272	327						
26 OF 28 STA 459+00.00 TO STA 470+00.00					1	203	243						
27 OF 28 STA 470+00.00 TO STA 481+00.00					1	183	220						
28 OF 28 STA 481+00.00 TO STA 492+00.00					1	72	86						
CSJ: 0086-14-089 SUBTOTALS					10	2,316	2,778						
CSJ: 0086-14-078 GRAND TOTALS	41.9		46,404	419,199	11	8,934	10,720			53,137	8,033		
CSJ: 0086-14-087 GRAND TOTALS	19.1		49,575	25,577	57	17,779	20,198			55,771	32,526	6,332	
CSJ: 0086-14-088 GRAND TOTALS		10			81	20,878	29,767			99,972	12,507	26,016	
CSJ: 0086-14-079 GRAND TOTALS	33.0		28,703	225,326	6	6,761	8,115				41,878		
CSJ: 0086-14-075 GRAND TOTALS	64.0		98,789	265,657	12	14,040	16,852				84,529		
CSJ: 0086-14-076 GRAND TOTALS	52.8		112,978	248,444	18	11,416	13,700				67,111		
CSJ: 0086-14-089 GRAND TOTALS	56.5		56,410	90,303	74	32,287	38,739	496	8,409	101,050	64,297	3,520	228
PROJECT TOTALS	267.3	10	392,859	1,274,506	259	112,095	138,091	496	8,409	256,793	355,985	43,901	228

2 REVISED 7/24/2023

NO.		REVISIONS		BY	DATE
		16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184			
		19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 AECOM Technical Services Inc.- 3580			
		F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0089 PH 281-945-0081 FX			
		© 2023			
US 59					
SUMMARY OF ROADWAY QUANTITIES					
SHEET 5 OF 20					
DN:	RA	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	AS	6	TEXAS		US59
DW:	AI	STATE DIST.	COUNTY	CONTROL SECTION NO.	JOB SHEET NO.
CK DW:	RA	LRD	WEBB	0086 14	075, ETC., 110

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PLAN SHEET NO. / LOCATION	SUMMARY OF ROADWAY ITEMS													
	420 6066	432 6001	432 6002	432 6045	450 6030	450 6052	450 6062	450 6064	512 6001	512 6009	512 6010	514 6038	528 6001	529 6002
	CL C CONC (RAIL FOUNDATION)	RIPRAP (CONC) (4 IN)	RIPRAP (CONC) (5 IN)	RIPRAP (MOW STRIP) (4 IN)	RAIL (TY C221)	RAIL (HANDRAIL) (TY F)	RAIL (TY SSTR) (MOD)	RAIL (TY SSTR) (W/DRAIN SLOTS) (MOD)	PORT CTB (FUR & INST) (SGL SLOPE) (TY 1)	PORT CTB (FUR & INST) (LOW PROF) (TY 1)	PORT CTB (FUR & INST) (LOW PROF) (TY 2)	PERM CTB (SSCB) (TY 1) (MOD)	COLORED TEXTURED CONC (4")	CONC CURB (TY II)
	CY	CY	CY	CY	LF	LF	LF	LF	LF	LF	LF	LF	SY	LF
CSJ: 0086-14-087														
INTERIM MAINLANES														
1 OF 1	UNDIVIDED ML TRANS BEGIN TO END													773
1 OF 1	NBML BEGIN TO END													
1 OF 1	SBML BEGIN TO END													
MAINLANES														
1 OF 31	BEGIN TO STA 177+00.00													
2 OF 31	STA 177+00.00 TO STA 187+00.00													
3 OF 31	STA 187+00.00 TO STA 197+00.00													
4 OF 31	STA 197+00.00 TO STA 207+00.00													
5 OF 31	STA 207+00.00 TO STA 217+00.00													
CSJ: 0086-14-087 SUBTOTALS							388	4,153						773
CSJ: 0086-14-078														
MAINLANES														
5 OF 31	STA 207+00.00 TO STA 217+00.00													
6 OF 31	STA 217+00.00 TO STA 227+00.00													
7 OF 31	STA 227+00.00 TO STA 237+00.00													49.9
8 OF 31	STA 237+00.00 TO STA 247+00.00													
9 OF 31	STA 247+00.00 TO STA 257+00.00													40.1
10 OF 31	STA 257+00.00 TO STA 267+00.00													77.9
CSJ: 0086-14-078 SUBTOTALS							15	5,436	1,063			3,722		
CSJ: 0086-14-087														
10 OF 31	STA 257+00.00 TO STA 267+00.00													
11 OF 31	STA 267+00.00 TO STA 277+00.00													2.5
12 OF 31	STA 277+00.00 TO END													
CSJ: 0086-14-087 SUBTOTALS							2	472				1,923		
CSJ: 0086-14-079														
13 OF 31	STA 285+00.00 TO STA 296+00.00													34.0
14 OF 31	STA 296+00.00 TO STA 307+00.00													
15 OF 31	STA 307+00.00 TO STA 318+00.00													16.0
CSJ: 0086-14-079 SUBTOTALS							2	42			2,968			
CSJ: 0086-14-075														
16 OF 31	STA 318+00.00 TO STA 329+00.00													24.0
17 OF 31	STA 329+00.00 TO STA 340+00.00													48.0
18 OF 31	STA 340+00.00 TO STA 351+00.00													13.0
19 OF 31	STA 351+00.00 TO STA 362+00.00													10.0
20 OF 31	STA 362+00.00 TO STA 372+00.00													28.0
21 OF 31	STA 372+00.00 TO STA 382+00.00													17.0
CSJ: 0086-14-075 SUBTOTALS							54	965			5,701			
CSJ: 0086-14-076														
22 OF 31	STA 382+00.00 TO STA 393+00.00													73.5
23 OF 31	STA 393+00.00 TO STA 404+00.00													115.8
24 OF 31	STA 404+00.00 TO STA 415+00.00													
25 OF 31	STA 415+00.00 TO STA 426+00.00													53.7
26 OF 31	STA 426+00.00 TO STA 434+80.00													49.8
CSJ: 0086-14-076 SUBTOTALS							41	2,031	1,483		4,951			
CSJ: 0086-14-089														
26 OF 31	STA 434+80.00 TO STA 437+00.00													
27 OF 31	STA 437+00.00 TO STA 448+00.00													14.7
28 OF 31	STA 448+00.00 TO STA 459+00.00													5.4
29 OF 31	STA 459+00.00 TO STA 470+00.00													16.1
30 OF 31	STA 470+00.00 TO STA 481+00.00													1.7
31 OF 31	STA 481+00.00 TO STA 491+30.48													13.2
CSJ: 0086-14-089 SUBTOTALS							35	644	238		4,811			

2 REVISIED 7/24/2023

1 REVISIED 07/17/2023

NO.	REVISIONS	BY	DATE

OMEGA ENGINEERS, INC. 16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084
OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184

AECOM 19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094
AECOM Technical Services Inc.- 3580

ENTECH CIVIL ENGINEERS INC
F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0069 PH 281-945-0081 FX

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Texas Department of Transportation

US 59
SUMMARY OF ROADWAY QUANTITIES

SHEET 6 OF 20

DN:	RA	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	AS	6	TEXAS		US59
DW:	AI	STATE DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
CK DW:	RA	LRD	WEBB	0086 14	075, ETC.

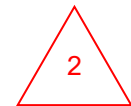
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PLAN SHEET NO. / LOCATION	SUMMARY OF ROADWAY ITEMS													
	420 6066	432 6001	432 6002	432 6045	450 6030	450 6052	450 6062	450 6064	512 6001	512 6009	512 6010	514 6038	528 6001	529 6002
	CL C CONC (RAIL FOUNDATION)	RIPRAP (CONC) (4 IN)	RIPRAP (CONC) (5 IN)	RIPRAP (MOW STRIP) (4 IN)	RAIL (TY C221)	RAIL (HANDRAIL) (TY F)	RAIL (TY SSTR) (MOD)	RAIL (TY SSTR) (W/DRAIN SLOTS) (MOD)	PORT CTB (FUR & INST) (SGL SLOPE) (TY 1)	PORT CTB (FUR & INST) (LOW PROF) (TY 1)	PORT CTB (FUR & INST) (LOW PROF) (TY 2)	PERM CTB (SSCB) (TY 1) (MOD)	COLORED TEXTURED CONC (4")	CONC CURB (TY II)
	CY	CY	CY	CY	LF	LF	LF	LF	LF	LF	LF	LF	SY	LF
CSJ: 0086-14-088														
SIDE STREET (CONT'D)														
TAMIU DR														
1 OF 1 STA 10+14.04 TO STA 13+06.48													98	829
BLUE QUAIL DR														
1 OF 1 STA 10+50.00 TO STA 12+42.00														419
WINFIELD PKWY														
1 OF 1 STA 10+21.00 TO STA 11+36.00														265
INSPIRATION PKWY														
1 OF 1 STA 10+14.00 TO STA 11+26.00	12							86						287
CSJ: 0086-14-088 SUBTOTALS	12							86					98	1,800
CSJ: 0086-14-089														
ESKIMO DR														
1 OF 1 STA 7+18.60 TO STA 7+85.48														143
BUCKY HOUDMAN BLVD														
1 OF 1 STA 10+14.56 TO STA 12+30.00														438
CREPUSCULO DR														
1 OF 1 STA 10+14.52 TO STA 11+70.00													37	564
HAVANA DR														
1 OF 1 STA 7+55.00 TO STA 8+85.46														270
CSJ: 0086-14-089 SUBTOTALS													37	1,415
CSJ: 0086-14-087														
SHARED USED PATH INTERIM														
1 OF 1 BEGIN TO STA 266+00.00														
SHARED USED PATH														
1 OF 28 BEGIN TO STA 204+00.00														
2 OF 28 STA 204+00.00 TO STA 214+00.00								44						
3 OF 28 STA 214+00.00 TO STA 226+00.00								556						
4 OF 28 STA 226+00.00 TO STA 234+00.00														
5 OF 28 STA 234+00.00 TO STA 244+00.00								93						
6 OF 28 STA 244+00.00 TO STA 254+00.00														
7 OF 28 STA 254+00.00 TO STA 264+00.00								113						
8 OF 28 STA 264+00.00 TO STA 274+00.00														
CSJ: 0086-14-087 SUBTOTALS								806						
CSJ: 0086-14-088														
9 OF 28 STA 274+00.00 TO STA 277+00.00														
10 OF 28 STA 277+00.00 TO STA 288+00.00								86						
11 OF 28 STA 288+00.00 TO STA 299+00.00								100						
12 OF 28 STA 299+00.00 TO STA 310+00.00														
13 OF 28 STA 310+00.00 TO STA 321+00.00														
14 OF 28 STA 321+00.00 TO STA 332+00.00								100						
15 OF 28 STA 332+00.00 TO STA 343+00.00														
16 OF 28 STA 343+00.00 TO STA 353+50.00														
16 OF 28 STA 353+50.00 TO STA 363+00.00														
17 OF 28 STA 363+00.00 TO STA 372+50.00														
18 OF 28 STA 372+50.00 TO STA 381+50.00														
CSJ: 0086-14-088 SUBTOTALS								286						
CSJ: 0086-14-089														
19 OF 28 STA 381+50.00 TO STA 393+00.00	11				78									
20 OF 28 STA 393+00.00 TO STA 404+00.00	11				77									
21 OF 28 STA 404+00.00 TO STA 415+00.00														
22 OF 28 STA 415+00.00 TO STA 426+00.00														
23 OF 28 STA 426+00.00 TO STA 437+00.00								71						
24 OF 28 STA 437+00.00 TO STA 448+00.00														
25 OF 28 STA 448+00.00 TO STA 459+00.00														
26 OF 28 STA 459+00.00 TO STA 470+00.00	31				219									
27 OF 28 STA 470+00.00 TO STA 481+00.00	80		27.5	7.8				569						
28 OF 28 STA 481+00.00 TO STA 492+00.00	58		25.4					412						
CSJ: 0086-14-089 SUBTOTALS	200		53	8	374			1,052						
CSJ: 0086-14-078 GRAND TOTALS		173		15				1,535	5,436	1,063		3,722	207	2,303
CSJ: 0086-14-087 GRAND TOTALS		202		5		1,102		1,733		4,153		1,923	6,761	28,827
CSJ: 0086-14-088 GRAND TOTALS	44	17	8,088	31	226	1,270		2,607				1,018	16,652	43,920
CSJ: 0086-14-079 GRAND TOTALS		50		2				42				2,968		
CSJ: 0086-14-075 GRAND TOTALS		123		54				1,385	965			5,701		
CSJ: 0086-14-076 GRAND TOTALS		293		41				2,031	1,483			4,951		
CSJ: 0086-14-089 GRAND TOTALS	324	211	53	61	1,117	1,195		3,798	238		400	40	4,811	10,340
PROJECT TOTALS	368	1,069	8,141	208	1,343	3,567	13,131	8,122	5,216	400	40	25,094	33,959	113,221

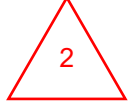


REVISED 7/24/2023

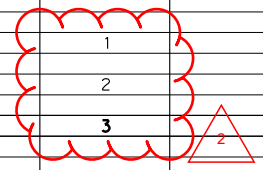


REVISED 07/17/2023

NO.		REVISIONS		BY	DATE
OMEGA ENGINEERS, INC.		16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Piz281 647 9182 Fz281 647 9184			
AECOM		19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 AECOM Technical Services Inc.- 3580			
ENTECH		F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0089 PH 281-945-0081 FX			
Texas Department of Transportation		© 2023			
US 59					
SUMMARY OF ROADWAY QUANTITIES					
SHEET 10 OF 20					
DN:	RA	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	AS	6	TEXAS		US59
DW:	AI	STATE DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
CK DW:	RA	LRD	WEBB	0086 14	075, ETC.
					115



PLAN SHEET NO. / LOCATION	SUMMARY OF ROADWAY ITEMS													
	540 6001	540 6006	544 6001	545 6007	3012 6001	3021 6001	3076 6002	3076 6042	3077 6007	3077 6023	3080 6007	3084 6001		
	MTL W-BEAM GD FEN (TIM POST)	MTL BEAM GD FEN TRANS (THRIE-BEA M)	GUARDRAIL END TREATMENT (INSTALL)	CRASH CUSH ATTEN (INSTL) (L) (N) (TL3)	GRINDING	WIDE FLANGE PAVEMENT TERMINALS	D-GR HMA TY-B SAC-B PG64-22	D-GR HMA TY-D SAC-B PG70-22	SP MIXES SP-B SAC-B PG70-22	SP MIXES SP-C SAC-B PG70-22	STONE-MTRX -ASPH SMA-D SAC-A PG76-22	BONDING COURSE		
LF	EA	EA	EA	SY	LF	TON	TON	TON	TON	TON	GAL			
CSJ: 0086-14-087														
INTERIM MAINLANES														
1 OF 1	UNDIVIDED ML TRANS BEGIN TO END													
1 OF 1	NBML BEGIN TO END													
1 OF 1	SBML BEGIN TO END													
MAINLANES														
1 OF 31	BEGIN TO STA 177+00.00													
2 OF 31	STA 177+00.00 TO STA 187+00.00													
3 OF 31	STA 187+00.00 TO STA 197+00.00													
4 OF 31	STA 197+00.00 TO STA 207+00.00													
5 OF 31	STA 207+00.00 TO STA 217+00.00													
CSJ: 0086-14-087 SUBTOTALS							10,197		2,388		2,076			
CSJ: 0086-14-078														
MAINLANES														
5 OF 31	STA 207+00.00 TO STA 217+00.00													
6 OF 31	STA 217+00.00 TO STA 227+00.00													
7 OF 31	STA 227+00.00 TO STA 237+00.00													
8 OF 31	STA 237+00.00 TO STA 247+00.00													
9 OF 31	STA 247+00.00 TO STA 257+00.00													
10 OF 31	STA 257+00.00 TO STA 267+00.00													
CSJ: 0086-14-078 SUBTOTALS							3		12,808					
CSJ: 0086-14-087														
10 OF 31	STA 257+00.00 TO STA 267+00.00													
11 OF 31	STA 267+00.00 TO STA 277+00.00													
12 OF 31	STA 277+00.00 TO END													
CSJ: 0086-14-087 SUBTOTALS							1		5,981					
CSJ: 0086-14-079														
13 OF 31	STA 285+00.00 TO STA 296+00.00													
14 OF 31	STA 296+00.00 TO STA 307+00.00													
15 OF 31	STA 307+00.00 TO STA 318+00.00													
CSJ: 0086-14-079 SUBTOTALS							1		8,926					
CSJ: 0086-14-075														
16 OF 31	STA 318+00.00 TO STA 329+00.00													
17 OF 31	STA 329+00.00 TO STA 340+00.00													
18 OF 31	STA 340+00.00 TO STA 351+00.00													
19 OF 31	STA 351+00.00 TO STA 362+00.00													
20 OF 31	STA 362+00.00 TO STA 372+00.00													
21 OF 31	STA 372+00.00 TO STA 382+00.00													
CSJ: 0086-14-075 SUBTOTALS							7		18,536					
CSJ: 0086-14-076														
22 OF 31	STA 382+00.00 TO STA 393+00.00													
23 OF 31	STA 393+00.00 TO STA 404+00.00													
24 OF 31	STA 404+00.00 TO STA 415+00.00													
25 OF 31	STA 415+00.00 TO STA 426+00.00													
26 OF 31	STA 426+00.00 TO STA 434+80.00													
CSJ: 0086-14-076 SUBTOTALS							3	252	16,439					
CSJ: 0086-14-089														
26 OF 31	STA 434+80.00 TO STA 437+00.00													
27 OF 31	STA 437+00.00 TO STA 448+00.00													
28 OF 31	STA 448+00.00 TO STA 459+00.00													
29 OF 31	STA 459+00.00 TO STA 470+00.00													
30 OF 31	STA 470+00.00 TO STA 481+00.00													
31 OF 31	STA 481+00.00 TO STA 491+30.48													
CSJ: 0086-14-089 SUBTOTALS							525	1	5	128	1,253	1,738	1,054	724



2 REVISED 7/24/2023

NO.		REVISIONS		BY	DATE
OMEGA ENGINEERS, INC.		16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184			
AECOM		19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 AECOM Technical Services Inc.- 3580			
ENTECH		F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0069 PH 281-945-0081 FX CIVIL ENGINEERS INC			
		© 2023			
US 59					
SUMMARY OF ROADWAY QUANTITIES					
SHEET 16 OF 20					
DN:	RA	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	AS	6	TEXAS		US59
DW:	AI	STATE DIST.	COUNTY	CONTROL/SECTION NO.	JOB NO.
CK DW:	RA	LRD	WEBB	0086 14	075, ETC.
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PLAN SHEET NO. / LOCATION	SUMMARY OF ROADWAY ITEMS														
	540 6001	540 6006	544 6001	545 6007	3012 6001	3021 6001	3076 6002	3076 6042	3077 6007	3077 6023	3080 6007	3084 6001			
	MTL W-BEAM GD FEN (TIM POST)	MTL BEAM GD FEN TRANS (THRIE-BEA M)	GUARDRAIL END TREATMENT (INSTALL)	CRASH CUSH ATTEN (INSTL) (L) (N) (TL3)	GRINDING	WIDE FLANGE PAVEMENT TERMINALS	D-GR HMA TY-B SAC-B PG64-22	D-GR HMA TY-D SAC-B PG70-22	SP MIXES SP-B SAC-B PG70-22	SP MIXES SP-C SAC-B PG70-22	STONE-MTRX -ASPH SMA-D SAC-A PG76-22	BONDING COURSE			
	LF	EA	EA	EA	SY	LF	TON	TON	TON	TON	TON	GAL			
CSJ: 0086-14-088															
SIDE STREET (CONT'D)															
TAMIU DR															
1 OF 1	STA 10+14.04 TO STA 13+06.48							389							
BLUE QUAIL DR															
1 OF 1	STA 10+50.00 TO STA 12+42.00							216							
WINFIELD PKWY															
1 OF 1	STA 10+21.00 TO STA 11+36.00							156							
INSPIRATION PKWY															
1 OF 1	STA 10+14.00 TO STA 11+26.00							168							
CSJ: 0086-14-088 SUBTOTALS							929								
CSJ: 0086-14-089															
ESKIMO DR															
1 OF 1	STA 7+18.60 TO STA 7+85.48							78							
BUCKY HOUDMAN BLVD															
1 OF 1	STA 10+14.56 TO STA 12+30.00							327							
CREPUSCULO DR															
1 OF 1	STA 10+14.52 TO STA 11+70.00							291							
HAVANA DR															
1 OF 1	STA 7+55.00 TO STA 8+85.46							148							
CSJ: 0086-14-089 SUBTOTALS							844								
CSJ: 0086-14-087															
SHARED USED PATH INTERIM															
1 OF 1	BEGIN TO STA 266+00.00							104	52			47			
SHARED USED PATH															
1 OF 28	BEGIN TO STA 204+00.00							344	165			143			
2 OF 28	STA 204+00.00 TO STA 214+00.00							358	172			149			
3 OF 28	STA 214+00.00 TO STA 226+00.00							356	170			148			
4 OF 28	STA 226+00.00 TO STA 234+00.00							373	179			156			
5 OF 28	STA 234+00.00 TO STA 244+00.00							315	151			131			
6 OF 28	STA 244+00.00 TO STA 254+00.00							308	148			128			
7 OF 28	STA 254+00.00 TO STA 264+00.00							373	179			156			
8 OF 28	STA 264+00.00 TO STA 274+00.00							184	88			77			
CSJ: 0086-14-087 SUBTOTALS							2,716	1,304			1,136				
CSJ: 0086-14-088															
9 OF 28	STA 274+00.00 TO STA 277+00.00							272	130			113			
10 OF 28	STA 277+00.00 TO STA 288+00.00							390	185			163			
11 OF 28	STA 288+00.00 TO STA 299+00.00							387	187			161			
12 OF 28	STA 299+00.00 TO STA 310+00.00							345	165			144			
13 OF 28	STA 310+00.00 TO STA 321+00.00							388	186			162			
14 OF 28	STA 321+00.00 TO STA 332+00.00							411	197			171			
15 OF 28	STA 332+00.00 TO STA 343+00.00							392	188			163			
16 OF 28	STA 343+00.00 TO STA 353+50.00							319	153			133			
16 OF 28	STA 353+50.00 TO STA 363+00.00							330	180			150			
17 OF 28	STA 363+00.00 TO STA 372+50.00							299	163			136			
18 OF 28	STA 372+50.00 TO STA 381+50.00							268	146			122			
CSJ: 0086-14-088 SUBTOTALS							3,801	1,880			1,618				
CSJ: 0086-14-089															
19 OF 28	STA 381+50.00 TO STA 393+00.00							430	206			179			
20 OF 28	STA 393+00.00 TO STA 404+00.00							399	192			167			
21 OF 28	STA 404+00.00 TO STA 415+00.00							329	157			137			
22 OF 28	STA 415+00.00 TO STA 426+00.00							383	184			160			
23 OF 28	STA 426+00.00 TO STA 437+00.00							399	192			167			
24 OF 28	STA 437+00.00 TO STA 448+00.00							342	166			143			
25 OF 28	STA 448+00.00 TO STA 459+00.00							392	188			164			
26 OF 28	STA 459+00.00 TO STA 470+00.00							292	141			122			
27 OF 28	STA 470+00.00 TO STA 481+00.00							264	127			110			
28 OF 28	STA 481+00.00 TO STA 492+00.00							103	50			43			
CSJ: 0086-14-089 SUBTOTALS							3,333	1,603			1,392				
CSJ: 0086-14-078 GRAND TOTALS															
CSJ: 0086-14-087 GRAND TOTALS															
CSJ: 0086-14-088 GRAND TOTALS				25	1	1	1		48	40,560	1,880	156	2,722	22	1,637
CSJ: 0086-14-079 GRAND TOTALS															
CSJ: 0086-14-075 GRAND TOTALS															
CSJ: 0086-14-076 GRAND TOTALS															
CSJ: 0086-14-089 GRAND TOTALS				650	2	3	5	228					1,361	2,264	
PROJECT TOTALS				675	3	4	24	228	300	184,760	4,787	2,249	2,722	1,383	7,403

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PLAN SHEET NO. / LOCATION	SUMMARY OF ROADWAY ITEMS			
	734 6002	738 6001	730 6107	738 6003
	LITTER REMOVAL	CLEANING / SWEEPING (CENTER MEDIAN)	FULL - WIDTH MOWING	CLEANING / SWEEPING (OUTSIDE MAIN LANE)
	CYC	CYC	CYC	CYC
CSJ: 0086-14-078 GRAND TOTALS				
	7.5	2	1	2
CSJ: 0086-14-087 GRAND TOTALS				
	4	1	1	1
CSJ: 0086-14-088 GRAND TOTALS				
	15.5	4	2.5	4
CSJ: 0086-14-079 GRAND TOTALS				
	4	1	1	1
CSJ: 0086-14-075 GRAND TOTALS				
	8.5	2	1.5	2
CSJ: 0086-14-076 GRAND TOTALS				
	7.5	2	1	2
CSJ: 0086-14-089 GRAND TOTALS				
	14	3	2	3
TOTAL				
	61.0	15.0	10.0	15.0
PROJECT TOTALS				
	61.0	15.0	10.0	15.0

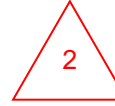
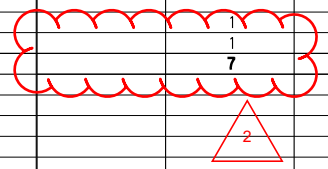
- NOTES:
- THE TOTAL AMOUNT OF CYCLES ESTIMATED ARE CALCULATED FOR ANY LITTER COMPLETED ON A MONTHLY BASIS.
 - THE TOTAL AMOUNT OF CYCLES ESTIMATED ARE CALCULATED FOR ANY SWEEPING COMPLETED THREE TIMES A YEAR.
 - CONTRACTOR WILL MOW TWICE A YEAR, FALL CUT(S) SHOULD BE PERFORMED B/W OCTOBER 15 THROUGH DECEMBER 20, WEATHER PERMITTING. SUMMER CUT(S) SHOULD BEGIN NO SONNER THEN MAY 20. CONTRACTOR REQUEST FOR VARIATION(S) FROM THESE FRAMES WILL NEED PRIOR APPROVAL FROM THE ENGINEER.

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 REVISED 7/24/2023

 16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184	 19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 <small>AECOM Technical Services Inc.- 3580</small>		
 F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0089 PH 281-945-0081 FX	 © 2023		
US 59 SUMMARY OF ROADWAY QUANTITIES			
SHEET 20 OF 20			
DN: RA CK DN: AS	FED. RD. DIV. NO. 6 STATE TEXAS	PROJECT NO.	HIGHWAY NO. US59
DW: AI CK DW: RA	STATE DIST. LRD COUNTY WEBB	CONTROL SECTION NO. 0086 14 JOB NO. 075, ETC.	SHEET NO. 125

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 ... \US59-BW-HALF*PDF.pltcf9

PLAN SHEET NO. / LOCATION	SUMMARY OF SIGNING ITEMS					
	650 6038	650 6045	650 6154	650 6159	650 6204	685 6006
	INS OH SN SUP (35 FT CANT)	INS OH SN SUP (40 FT CANT)	INS OH SN SUP (145 FT BRDG)	INS OH SN SUP (150 FT BRDG)	REMOVE OVERHD SIGN SUP	REMOV RDS FLSH BCN AM (SOLAR PWRD)
	EA	EA	EA	EA	EA	EA
CSJ: 0086-14-087						
INTERIM MAINLANES						
1 OF 6	BEGIN TO STA 177+00.00					
2 OF 6	STA 177+00.00 TO STA 187+00.00					
3 OF 6	STA 187+00.00 TO STA 197+00.00					
4 OF 6	STA 197+00.00 TO STA 207+00.00					
5 OF 6	STA 207+00.00 TO STA 217+00.00					
CSJ: 0086-14-087 SUBTOTALS						
CSJ: 0086-14-078						
INTERIM MAINLANES						
6 OF 6	STA 217+00.00 TO STA 227+00.00					
MAINLANES AND RAMP						
1 OF 25	STA 227+00.00 TO STA 237+00.00					
2 OF 25	STA 237+00.00 TO STA 247+00.00					
3 OF 25	STA 247+00.00 TO STA 257+00.00					
4 OF 25	STA 257+00.00 TO STA 267+00.00					
CSJ: 0086-14-078 SUBTOTALS						
CSJ: 0086-14-087						
4 OF 25	STA 257+00.00 TO STA 267+00.00					
5 OF 25	STA 267+00.00 TO STA 278+00.00					
6 OF 25	STA 278+00.00 TO END					
CSJ: 0086-14-087 SUBTOTALS						
CSJ: 0086-14-088						
7 OF 25	STA 285+00.00 TO STA 296+00.00					
8 OF 25	STA 296+00.00 TO STA 307+00.00					
9 OF 25	STA 307+00.00 TO STA 318+00.00					
10 OF 25	STA 318+00.00 TO STA 329+00.00					
11 OF 25	STA 329+00.00 TO STA 340+00.00					
12 OF 25	STA 340+00.00 TO STA 351+00.00					
13 OF 25	STA 351+00.00 TO STA 362+00.00					
14 OF 25	STA 362+00.00 TO STA 372+00.00					
15 OF 25	STA 372+00.00 TO STA 382+00.00					
CSJ: 0086-14-088 SUBTOTALS						
CSJ: 0086-14-089						
16 OF 25	STA 382+00.00 TO STA 393+00.00					
17 OF 25	STA 393+00.00 TO STA 404+00.00					
18 OF 25	STA 404+00.00 TO STA 415+00.00					
19 OF 25	STA 415+00.00 TO STA 426+00.00					
20 OF 25	STA 426+00.00 TO STA 437+00.00					
21 OF 25	STA 437+00.00 TO STA 448+00.00					
22 OF 25	STA 448+00.00 TO STA 459+00.00					
23 OF 25	STA 459+00.00 TO STA 470+00.00					
24 OF 25	STA 470+00.00 TO STA 481+00.00					
25 OF 25	STA 481+00.00 TO STA 491+30.48					
CSJ: 0086-14-089 SUBTOTALS						
CSJ: 0086-14-087						
INTERIM NB FRONTAGE RD						
1 OF 2	STA 207+00.00 TO STA 217+00.00					
2 OF 2	STA 217+00.00 TO STA 227+00.00					
NB & SB FRONTAGE ROAD						
1 OF 25	STA 227+00.00 TO STA 237+00.00					
2 OF 25	STA 237+00.00 TO STA 247+00.00					
3 OF 25	STA 247+00.00 TO STA 257+00.00					
4 OF 25	STA 257+00.00 TO STA 267+00.00					
5 OF 25	STA 267+00.00 TO STA 278+00.00					
6 OF 25	STA 278+00.00 TO STA 285+00.00					
CSJ: 0086-14-087 SUBTOTALS						



REVISED 7/24/2023

NO.	REVISIONS	BY	DATE

OMEGA ENGINEERS, INC. 16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084
 OMEGAENGINEERS.COM
 TX PE Firm Reg. No. F-2147
 Pz281 647 9182 Fz281 647 9184

AECOM 19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094
 AECOM Technical Services Inc.- 3580

ENTECH CIVIL ENGINEERS INC F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094
 281-945-0069 PH
 281-945-0081 FX

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Texas Department of Transportation

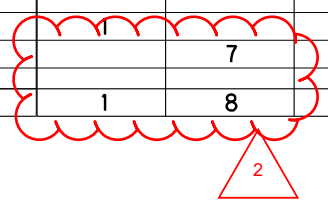
US 59
SUMMARY OF SIGNING QUANTITIES

SHEET 5 OF 6

DN:	RA	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	AS	6	TEXAS		US59
DW:	AI	STATE DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
CK DW:	RA	LRD	WEBB	0086 14	075, ETC.

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PLAN SHEET NO. / LOCATION	SUMMARY OF SIGNING ITEMS					
	650 6038	650 6045	650 6154	650 6159	650 6204	685 6006
	INS OH SN SUP (35 FT CANT)	INS OH SN SUP (40 FT CANT)	INS OH SN SUP (145 FT BRDG)	INS OH SN SUP (150 FT BRDG)	REMOVE OVERHLD SIGN SUP	REMOV RDS FLSH BCN AM (SOLAR PWRD)
	EA	EA	EA	EA	EA	EA
CSJ: 0086-14-088						
NB & SB FRONTAGE RD (CONT'D)						
7 OF 25						
8 OF 25						
9 OF 25						
10 OF 25						
11 OF 25						
12 OF 25						
13 OF 25						
CSJ: 0086-14-088 SUBTOTALS						
CSJ: 0086-14-089						
16 OF 25						
17 OF 25						
18 OF 25						2
19 OF 25						
20 OF 25						
21 OF 25						
22 OF 25						
23 OF 25						
24 OF 25						
25 OF 25						2
CSJ: 0086-14-089 SUBTOTALS						
CSJ: 0086-14-087						
CROSS STREETS						
JACAMAN RD						
1 OF 1 BEGIN TO END						
CSJ: 0086-14-087 SUBTOTALS						
CSJ: 0086-14-088						
UNIVERSITY BLVD						
1 OF 4 BEGIN TO STA 5+00.00						
2 OF 4 STA 5+00.00 TO STA 10+00.00						
3 OF 4 STA 10+00.00 TO STA 15+00.00						
4 OF 4 STA 15+00.00 TO END						
DEL MAR BLVD						
1 OF 3 BEGIN TO STA 10+00.00						
2 OF 3 STA 10+00.00 TO STA 15+00.00						
3 OF 3 STA 15+00.00 TO END						
CSJ: 0086-14-088 SUBTOTALS						
CSJ: 0086-14-089						
SHILOH DR						
1 OF 2 STA 5+15.00 TO STA 10+00.00						
2 OF 2 STA 10+00.00 TO STA 13+50.00						
CSJ: 0086-14-089 SUBTOTALS						
CSJ: 0086-14-078 GRAND TOTALS						
CSJ: 0086-14-087 GRAND TOTALS						
CSJ: 0086-14-088 GRAND TOTALS						
CSJ: 0086-14-089 GRAND TOTALS						
PROJECT TOTALS						



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REVISED 7/24/2023

NO.	REVISIONS	BY	DATE
OMEGA ENGINEERS, INC.		16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184	
AECOM		19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 AECOM Technical Services Inc.- 3580	
ENTECH		F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0069 PH 281-945-0081 FX CIVIL ENGINEERS INC	
		© 2023	
US 59			
SUMMARY OF SIGNING QUANTITIES			
SHEET 6 OF 6			
DN:	RA	FED. RD. DIV. NO.	STATE
CK DN:	AS	6	TEXAS
DW:	AI	STATE DIST.	COUNTY
CK DW:	RA	LRD	WEBB
		CONTROL SECTION NO.	JOB NO.
		0086 14	075, ETC.
			SHEET NO.
			162

PLAN SHEET NO. / LOCATION

SUMMARY OF EROSION CONTROL ITEMS

	160 6003	164 6035	164 6051	166 6001	168 6001	506 6002	506 6011	506 6020	506 6024	506 6038	506 6039	506 6040	506 6043	5116 6001	5116 6002
	FURNISHING AND PLACING TOPSOIL (4")	DRILL SEEDING (PERM) (RURAL) (CLAY)	DRILL SEED (TEMP) (WARM OR COOL)	FERTILIZER	VEGETATIVE WATERING	ROCK FILTER DAMS (INSTALL) (TY 2)	ROCK FILTER DAMS (REMOVE)	CONSTRUCTIO N EXITS (INSTALL) (TY 1)	CONSTRUCTIO N EXITS (REMOVE)	TEMP SEDMT CONT FENCE (INSTALL)	TEMP SEDMT CONT FENCE (REMOVE)	BIODEG EROSN CONT LOGS (INSTL) (8")	BIODEG EROSN CONT LOGS (REMOVE)	AMPHIBIAN/R EPTILE EXCLUSION FENCE INST	AMPHIBIAN/R EPTILE EXCLUSION FENCE REM
	SY	SY	SY	AC	MG	LF	LF	SY	SY	LF	LF	LF	LF	LF	LF
CSJ: 0086-14-087															
INTERIM MAINLANES															
1 OF 2	STA 205+00.00 TO STA 216+00.00	15686	15,686	15,686	6.5	489	112	112	222	222	2,331	2,331	230	230	
2 OF 2	STA 216+00.00 TO STA 227+00.00	21240	21,240	21,240	8.8	663	350	350	222	222	2,323	2,323	382	382	
FRONTAGE ROADS															
1 OF 25	STA 227+00.00 TO STA 237+00.00	9025	9,025	9,025	3.7	282	64	64			1,920	1,920	180	180	
2 OF 25	STA 237+00.00 TO STA 247+00.00	12195	12,195	12,195	5.0	380	159	159	222	222	2,084	2,084	220	220	
3 OF 25	STA 247+00.00 TO STA 257+00.00	10250	10,250	10,250	4.2	320	112	112			2,168	2,168	200	200	300
CSJ: 0086-14-087 SUBTOTALS															
68,396 68,396 68,396 28.2 2,134 797 797 666 666 10,826 10,826 1,212 1,212 300 300															
CSJ: 0086-14-078															
MAINLANES															
1 OF 25	STA 227+00.00 TO STA 237+00.00	9301	9,301	9,301	3.8	290			222	222	56	56	260	260	
2 OF 25	STA 237+00.00 TO STA 247+00.00	6643	6,643	6,643	2.7	207	32	32			56	56	112	112	
3 OF 25	STA 247+00.00 TO STA 257+00.00	4154	4,154	4,154	1.7	130					112	112	340	340	
4 OF 25	STA 257+00.00 TO STA 267+00.00	4506	4,506	4,506	1.9	141	16	16	222	222	140	140	320	320	
CSJ: 0086-14-078 SUBTOTALS															
24,604 24,604 24,604 10.1 768 48 48 444 444 364 364 1,032 1,032															
CSJ: 0086-14-087															
4 OF 25	STA 257+00.00 TO STA 267+00.00	7400	7,400	7,400	3.1	231	93	93			60	60	220	220	2573
5 OF 25	STA 267+00.00 TO STA 277+00.00	11197	11,197	11,197	4.6	349	64	64	222	222			160	160	1905
6 OF 25	STA 277+00.00 TO END PROJECT	9075	9,075	9,075	3.7	283	204	204					80	80	1520
CSJ: 0086-14-087 SUBTOTALS															
27,672 27,672 27,672 11.4 863 361 361 222 222 60 60 460 460 5,998 5,998															
CSJ: 0086-14-079															
7 OF 25	STA 285+00.00 TO STA 296+00.00	22254	22,254	22,254	9.2	694	134	134	111	111	196	196	596	596	3130
8 OF 25	STA 296+00.00 TO STA 307+00.00	11916	11,916	11,916	4.9	372	54	54	222	222	140	140	491	491	2232
9 OF 25	STA 307+00.00 TO STA 318+00.00	10831	10,831	10,831	4.5	338	100	100			28	28	377	377	2114
CSJ: 0086-14-079 SUBTOTALS															
45,001 45,000 45,000 18.6 1,404 288 288 333 333 364 364 1,464 1,464 7,476 7,476															
CSJ: 0086-14-075															
10 OF 25	STA 318+00.00 TO STA 329+00.00	15,980	15,980	15,980	6.6	499	72	72	333	333			495	495	2,141
11 OF 25	STA 329+00.00 TO STA 340+00.00	17,101	17,101	17,101	7.0	534	282	282			20	20	665	665	1,985
12 OF 25	STA 340+00.00 TO STA 351+00.00	15,911	15,911	15,911	6.6	497	36	36	444	444			466	466	3,232
13 OF 25	STA 351+00.00 TO STA 362+00.00	14,515	14,515	14,515	6.0	453	108	108			25	25	345	345	2,459
14 OF 25	STA 362+00.00 TO STA 372+00.00	25,241	25,241	25,241	10.4	788	114	114	111	111			2,162	2,162	2,290
15 OF 25	STA 372+00.00 TO STA 382+00.00	16,192	16,192	16,192	7.0	506	578	578	333	333	25	25	250	250	1,969
CSJ: 0086-14-075 SUBTOTALS															
104,940 104,940 104,940 43.6 3,277 1,190 1,190 1,221 1,221 70 70 4,383 4,383 14,076 14,076															
CSJ: 0086-14-089															
16 OF 25	STA 382+00.00 TO STA 393+00.00	29,597	29,597	29,597	11.3	923	134	134	451	451	216	216	360	360	2,526
17 OF 25	STA 393+00.00 TO STA 404+00.00	20,307	20,307	20,307	7.4	634	373	373			168	168	494	494	2,340
18 OF 25	STA 404+00.00 TO STA 415+00.00	18,612	18,612	18,612	6.7	581	221	221	271	271	264	264	751	751	2,511
19 OF 25	STA 415+00.00 TO STA 426+00.00	16,348	16,348	16,348	7.8	510	205	205			140	140	463	463	2,148
20 OF 25	STA 426+00.00 TO STA 437+00.00	26,800	26,800	26,800	9.0	836	391	391			337	337	386	386	2,485
21 OF 25	STA 437+00.00 TO STA 448+00.00	27,885	27,885	27,885	10.0	870	284	284			2,969	2,969	317	317	
22 OF 25	STA 448+00.00 TO STA 459+00.00	19,765	19,765	19,765	7.0	617	378	378			2,208	2,208	277	277	
23 OF 25	STA 459+00.00 TO STA 470+00.00	21,068	21,068	21,068	7.7	657	367	367	361	361	2,414	2,414	377	377	
24 OF 25	STA 470+00.00 TO STA 481+00.00	16,388	16,388	1,638	2.7	51	86	86	90	90	2,044	2,044	144	144	
25 OF 25	STA 481+00.00 TO STA 491+30.48	3,601	3,601	3,601	1.5	112	52	52			621	621	48	48	
CSJ: 0086-14-089 SUBTOTALS															
200,371 200,371 200,371 71.1 5,791 2,491 2,491 1,173 1,173 11,381 11,381 3,617 3,617 12,010 12,010															
CSJ: 0086-14-078 GRAND TOTALS															
24,604 24,604 24,604 10.1 768 48 48 444 444 364 364 1,032 1,032															
CSJ: 0086-14-087 GRAND TOTALS															
96,068 96,069 96,069 39.6 2,997 1,158 1,158 888 888 10,886 10,886 1,672 1,672 6,298 6,298															
CSJ: 0086-14-088 GRAND TOTALS															
CSJ: 0086-14-079 GRAND TOTALS															
45,001 45,000 45,000 18.6 1,404 288 288 333 333 364 364 1,464 1,464 7,476 7,476															
CSJ: 0086-14-075 GRAND TOTALS															
104,940 104,940 104,940 43.6 3,277 1,190 1,190 1,221 1,221 70 70 4,383 4,383 14,076 14,076															
CSJ: 0086-14-089 GRAND TOTALS															
200,371 200,371 200,371 71.1 5,791 2,491 2,491 1,173 1,173 11,381 11,381 3,617 3,617 12,010 12,010															
PROJECT TOTALS															
470,984 470,984 470,984 183.0 14,237 5,175 5,175 4,059 4,059 23,065 23,065 12,168 12,168 39,860 39,860															

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REVISED 7/24/2023

NO.	REVISIONS	BY	DATE

OMEGA ENGINEERS, INC. 16360 PARK TEN PLACE, Ste. #325 HOUSTON TEXAS, 77084 OMEGAENGINEERS.COM TX PE Firm Reg. No. F-2147 Pz281 647 9182 Fz281 647 9184

AECOM 19219 KATY FREEWAY SUITE 100 HOUSTON, TX 77094 AECOM Technical Services Inc.-3580

ENTECH CIVIL ENGINEERS INC F-6932 15021 Katy Freeway, Suite 500 Houston, Texas, 77094 281-945-0069 PH 281-945-0081 FX

Texas Department of Transportation © 2023

US 59

SUMMARY OF SW3P QUANTITIES

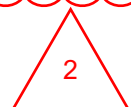
SHEET 1 OF 1															
DN:	RA	FED. RD. DIV. NO.	STATE	PROJECT NO.										HIGHWAY NO.	
CK DN:	AS	6	TEXAS											US59	
DW:	AI	STATE DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.								
CK DW:	RA	LRD	WEBB	0086	14	075, ETC.	207								

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...US59EN*SW3P\SUM01.dgn

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LOC NO	PLAN SHEET NUMBER	LOCATION	STA	TEST LEVEL	DIRECTION OF TRAFFIC (UNI/BI)	FOUNDATION PAD		BACKUP SUPPORT			AVAILABLE SITE LENGTH	CRASH CUSHION												
						PROPOSED MATERIAL	PROPOSED THICKNESS	DESCRIPTION	WIDTH	HEIGHT		INSTALL	REMOVE	MOVE/ RESET	FROM LOC. #	L	L	R	R	S	S			
																N	W	N	W	N	W			
1	6 OF 31	MAINLANES	STA 225+03.79	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
2	9 OF 31	MAINLANES	STA 253+16.72	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
3	10 OF 31	MAINLANES	STA 263+49.48	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
4	12 OF 31	MAINLANES	STA 281+92.15	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
5	15 OF 31	SOUTHBOUND MAINLANES	STA 313+42.50	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
6	16 OF 31	NORTHBOUND MAINLANES	STA 324+07.50	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
7	18 OF 31	SOUTHBOUND MAINLANES	STA 341+59.88	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
8	19 OF 31	SOUTHBOUND MAINLANES	STA 359+00.00	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
9	20 OF 31	NORTHBOUND MAINLANES	STA 367+42.50	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
10	21 OF 31	NORTHBOUND MAINLANES	STA 376+79.29	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
11	21 OF 31	SOUTHBOUND MAINLANES	STA 381+51.00	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
12	21 OF 31	NORTHBOUND MAINLANES	STA 382+00.00	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
13	23 OF 31	SOUTHBOUND MAINLANES	STA 403+56.86	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
14	25 OF 31	SOUTHBOUND MAINLANES	STA 421+00.00	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
15	25 OF 31	NORTHBOUND MAINLANES	STA 420+42.18	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
16	27 OF 31	SOUTHBOUND MAINLANES	STA 445+00.00	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
17	27 OF 31	NORTHBOUND MAINLANES	STA 439+50.00	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
18	27 OF 31	NORTHBOUND MAINLANES	STA 443+26.00	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
19	29 OF 31	SOUTHBOUND MAINLANES	STA 459+70.00	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
20	30 OF 31	SOUTHBOUND MAINLANES	STA 470+48.51	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
21	5 OF 26	SB FRONTAGE ROAD	STA 262+42.57	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
22	1 OF 1	RAMP NBER07	STA 21+67.77	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
23	1 OF 1	RAMP SBER11	STA 28+88.00	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
24	1 OF 1	RAMP NBER09	STA 19+79.48	TL-3	UNI	CONC	5"MIN	SSTR	1.21'	36"	>50'	X				X								
SHEET TOTAL											24													



REVISED 7/24/2023

LEGEND:
 L=LOW MAINTENANCE
 R=REUSABLE
 S=SACRIFICIAL
 N=NARROW
 W=WIDE

FOR DEFINITIONS SEE THE "CRASH CUSHION CATEGORIZATION CHART.PDF" AT THE DESIGN DIVISION (ROADWAY STANDARDS) WEBSITE. USE QUICK LINKS TO ACCESS ATTENUATORS / CRASH CUSHIONS SECTION.
<http://www.dot.state.tx.us/insdot/orgchart/cmd/cserve/standard/rdwylse.htm>



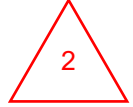
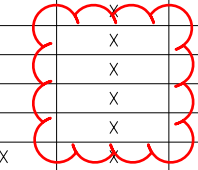
Adolfo Saenz 7/23/2023

ROADWAY CRASH CUSHION SUMMARY SHEET

FILE: CCSS.dgn	DN: TxDOT	CK:	CK:
© TxDOT	CONT 0086	SECT 14	JOB 075
REVISIONS	DIST COUNTY		HIGHWAY US 59
	LRD	WEBB	
	FEDERAL AID PROJECT		SHEET NO. 208

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LOC NO	TCP PHASE	LOCATION	STA	TEST LEVEL	DIRECTION OF TRAFFIC (UNI/B1)	FOUNDATION PAD		BACKUP SUPPORT			AVAILABLE SITE LENGTH	CRASH CUSHION									
						PROPOSED MATERIAL	PROPOSED THICKNESS	DESCRIPTION	WIDTH	HEIGHT		INSTALL	REMOVE	MOVE/ RESET	FROM LOC. #	L	L	R	R	S	S
																N	W	N	W	N	W
82	PHASE 2 STEP 2	EXISTING US 59	241+59.05	TL-25	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	66					X	
83	PHASE 2 STEP 2	EXISTING US 59	243+39.53	TL-26	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	67					X	
84	PHASE 2 STEP 2	EXISTING US 59	245+55.84	TL-27	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	68					X	
85	PHASE 2 STEP 2	EXISTING US 59	247+88.91	TL-28	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	69					X	
86	PHASE 2 STEP 2	EXISTING US 59	299+57.73	TL-28	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	70					X	
87	PHASE 2 STEP 2	EXISTING US 59	302+73.02	TL-29	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	71					X	
88	PHASE 2 STEP 2	EXISTING US 59	323+16.95	TL-29	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	72					X	
89	PHASE 2 STEP 2	EXISTING US 59	326+14.09	TL-29	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	73					X	
90	PHASE 2 STEP 2	EXISTING US 59	345+61.44	TL-30	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	74					X	
91	PHASE 2 STEP 2	EXISTING US 59	356+34.10	TL-31	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
92	PHASE 2 STEP 2	EXISTING US 59	380+32.01	TL-32	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
93	PHASE 2 STEP 2	EXISTING US 59	395+54.05	TL-33	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
94	PHASE 2 STEP 2	EXISTING US 59	408+00.40	TL-34	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
95	PHASE 2 STEP 2	EXISTING US 59	420+45.67	TL-35	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
96	PHASE 2 STEP 2	EXISTING US 59	434+47.72	TL-36	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
97	PHASE 2 STEP 2	EXISTING US 59	444+63.56	TL-37	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
98	PHASE 2 STEP 2	EXISTING US 59	448+84.94	TL-38	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
99	PHASE 2 STEP 2	EXISTING US 59	456+25.84	TL-39	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
100	PHASE 2 STEP 2	EXISTING US 59	461+88.63	TL-40	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
101	PHASE 2 STEP 2	EXISTING US 59	466+03.85	TL-41	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
102	PHASE 2 STEP 2	EXISTING US 59	474+23.94	TL-42	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X								X	
105	PHASE 2 STEP 2F	EXISTING US 59	219+76.49	TL-54	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	75					X	
106	PHASE 2 STEP 2F	EXISTING US 59	224+59.98	TL-54	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	76					X	
107	PHASE 2 STEP 2G	EXISTING US 59	214+61.33	TL-55	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	77					X	
108	PHASE 2 STEP 2H	EXISTING US 59	380+32.01	TL-56	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	78					X	
109	PHASE 2 STEP 2I	EXISTING US 59	380+43.75	TL-55	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	79					X	
110	PHASE 2 STEP 2J	EXISTING US 59	420+45.67	TL-56	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	80					X	
111	PHASE 2 STEP 2K	HAVANA DR	444+77.59	TL-57	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	81					X	
112	PHASE 3 STEP 1	US 59	201+34.40	TL-58	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	82					X	
113	PHASE 3 STEP 1	US 59	204+99.41	TL-58	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	83					X	
114	PHASE 3 STEP 1	US 59	225+76.68	TL-58	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	84					X	
115	PHASE 3 STEP 1	US 59	244+85.30	TL-61	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	85					X	
116	PHASE 3 STEP 1	US 59	261+94.43	TL-61	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	86					X	
117	PHASE 3 STEP 1	US 59	293+61.28	TL-62	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	87					X	
118	PHASE 3 STEP 1	US 59	341+04.37	TL-62	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	88					X	
119	PHASE 3 STEP 1	US 59	346+02.28	TL-63	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	89					X	
120	PHASE 3 STEP 1	US 59	347+50.28	TL-63	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	90					X	
121	PHASE 3 STEP 1	US 59	351+75.16	TL-64	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	91					X	
122	PHASE 3 STEP 1	US 59	378+72.35	TL-65	UNI	ACP	5"MIN	PCTB	24"	36"	>50'			X	92					X	
123	PHASE 3 STEP 1	US 59	405+28.42	TL-66	UNI	ACP	5"MIN	PCTB	24"	36"	>50'	X		X	93					X	



REVISED 7/24/2023



7/24/2023

LEGEND:
 L=LOW MAINTENANCE
 R=REUSABLE
 S=SACRIFICIAL
 N=NARROW
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FOR DEFINITIONS SEE THE "CRASH CUSHION CATEGORIZATION CHART.PDF" AT THE DESIGN DIVISION (ROADWAY STANDARDS) WEBSITE. USE QUICK LINKS TO ACCESS ATTENUATORS / CRASH CUSHIONS SECTION.
<http://www.dot.state.tx.us/insdot/orgchart/cmd/cserve/standard/rdwlylse.htm>

TCP CRASH CUSHION SUMMARY SHEET

FILE: ccss.dgn	DN: TxDOT	CK:	CK:
© TxDOT	CONT	SECT	JOB
REVISIONS	0086	14	075, ETC
	DIST	COUNTY	
	LRD	WEBB	
	FEDERAL AID PROJECT	SHEET NO.	
		211	

SHEET 3 OF 4

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LOC NO	TCP PHASE	LOCATION	STA	TEST LEVEL	DIRECTION OF TRAFFIC (UNI/BI)	FOUNDATION PAD		BACKUP SUPPORT			AVAILABLE SITE LENGTH	CRASH CUSHION										
						PROPOSED MATERIAL	PROPOSED THICKNESS	DESCRIPTION	WIDTH	HEIGHT		INSTALL	REMOVE	MOVE/RESET	FROM LOC. #	L	L	R	R	S	S	
																N	W	N	W	N	W	
124	PHASE 3 STEP 1	US 59	430+82.42	TL-67	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	94					X		
125	PHASE 3 STEP 1	US 59	464+77.14	TL-68	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	95					X		
126	PHASE 3 STEP 1A	US 59	297+72.92	TL-69	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	96					X		
127	PHASE 3 STEP 1A	US 59	341+70.39	TL-70	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	97					X		
128	PHASE 3 STEP 1B	US 59	220+49.63	TL-71	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	98					X		
129	PHASE 3 STEP 1B	US 59	235+10.39	TL-72	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	99					X		
130	PHASE 3 STEP 1B	US 59	244+37.36	TL-73	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	100					X		
131	PHASE 3 STEP 1B	US 59	404+88.34	TL-73	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	101					X		
132	PHASE 3 STEP 1B	US 59	414+62.82	TL-73	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	102					X		
133	PHASE 3 STEP 1C	US 59	201+34.40	TL-74	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	103					X		
134	PHASE 3 STEP 1C	US 59	204+99.54	TL-74	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	104					X		
135	PHASE 3 STEP 1C	US 59	225+35.09	TL-74	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	105					X		
136	PHASE 3 STEP 1C	US 59	244+85.30	TL-74	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	106					X		
137	PHASE 3 STEP 1C	US 59	341+20.16	TL-75	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	107					X		
138	PHASE 3 STEP 1C	US 59	341+70.39	TL-76	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	108					X		
139	PHASE 3 STEP 1C	US 59	351+59.68	TL-77	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	109					X		
140	PHASE 3 STEP 1C	US 59	402+64.81	TL-78	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	110					X		
141	PHASE 3 STEP 1D	US 59	341+70.39	TL-79	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	111					X		
142	PHASE 4 STEP 1	US 59	205+58.96	TL-80	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	112					X		
143	PHASE 4 STEP 1	US 59	221+67.13	TL-80	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	113					X		
144	PHASE 4 STEP 1	US 59	224+35.82	TL-80	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	114					X		
145	PHASE 4 STEP 1	US 59	261+37.26	TL-80	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	115					X		
146	PHASE 4 STEP 1	US 59	262+04.82	TL-81	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	116					X		
147	PHASE 4 STEP 1	US 59	216+38.61	TL-82	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	117					X		
148	PHASE 4 STEP 1	US 59	217+00.00	TL-83	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	118					X		
149	PHASE 4 STEP 1	US 59	222+50.47	TL-84	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	119					X		
150	PHASE 4 STEP 1	US 59	228+11.57	TL-85	UNI	ACP	5"MIN	PCTB	24"	36"	>50'		X	X	120					X		
											SHEET TOTAL	28	24	120								

LAST 4 CCA'S TO REMAIN IN INTERIM LOCATIONS UNTIL PS&E 3



REVISED 7/24/2023



7/24/2023

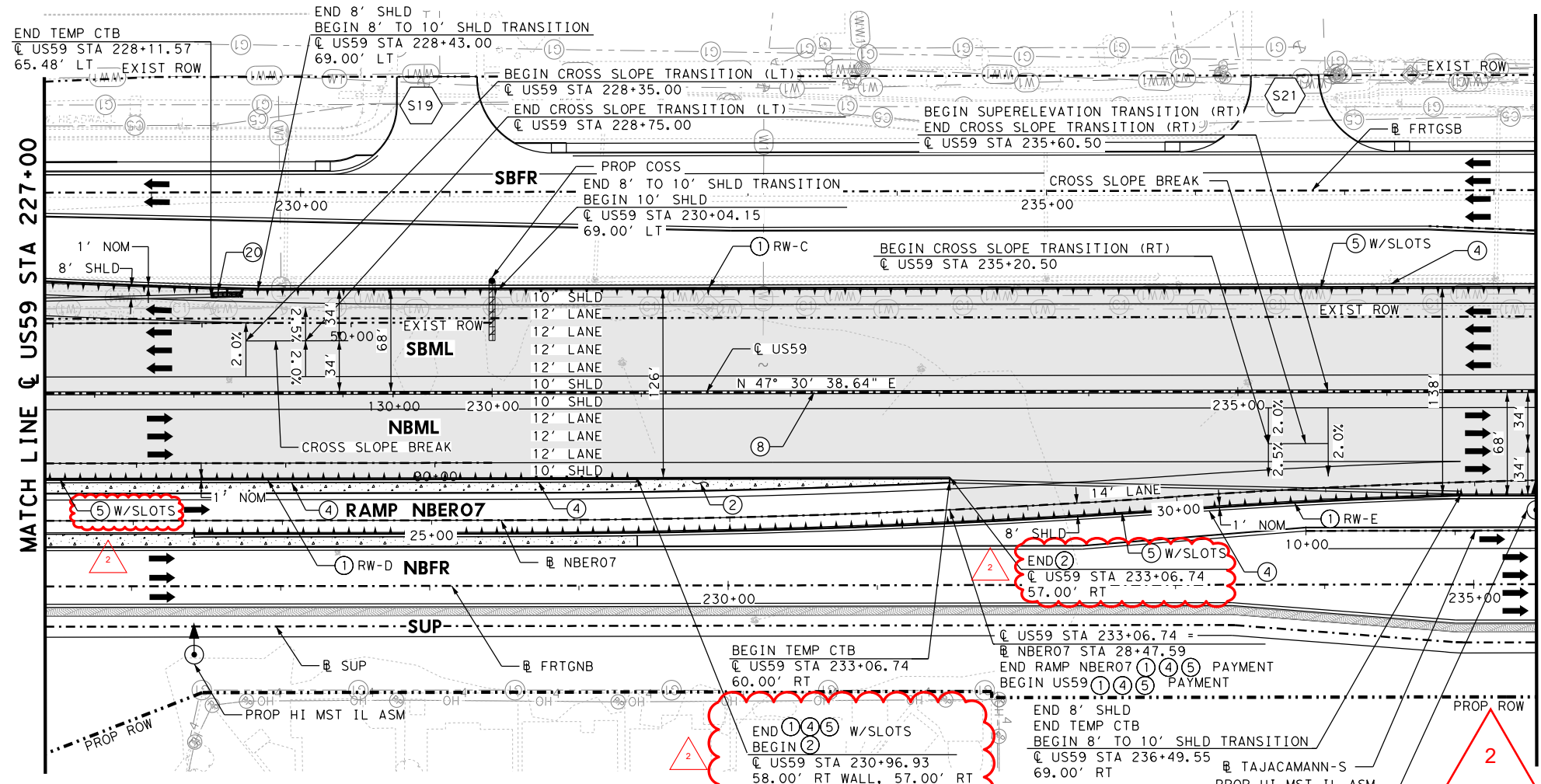
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<http://www.dot.state.tx.us/insdtdot/orgchart/cmd/cserve/standard/rdwjlse.htm>

TCP CRASH CUSHION SUMMARY SHEET

FILE: ccss.dgn	DN: TxDOT	CK:	CK:
© TxDOT	CONT	SECT	JOB
REVISIONS	0086	14	075, ETC
	DIST	COUNTY	
	LRD	WEBB	
	FEDERAL AID PROJECT	SHEET NO.	
		212	

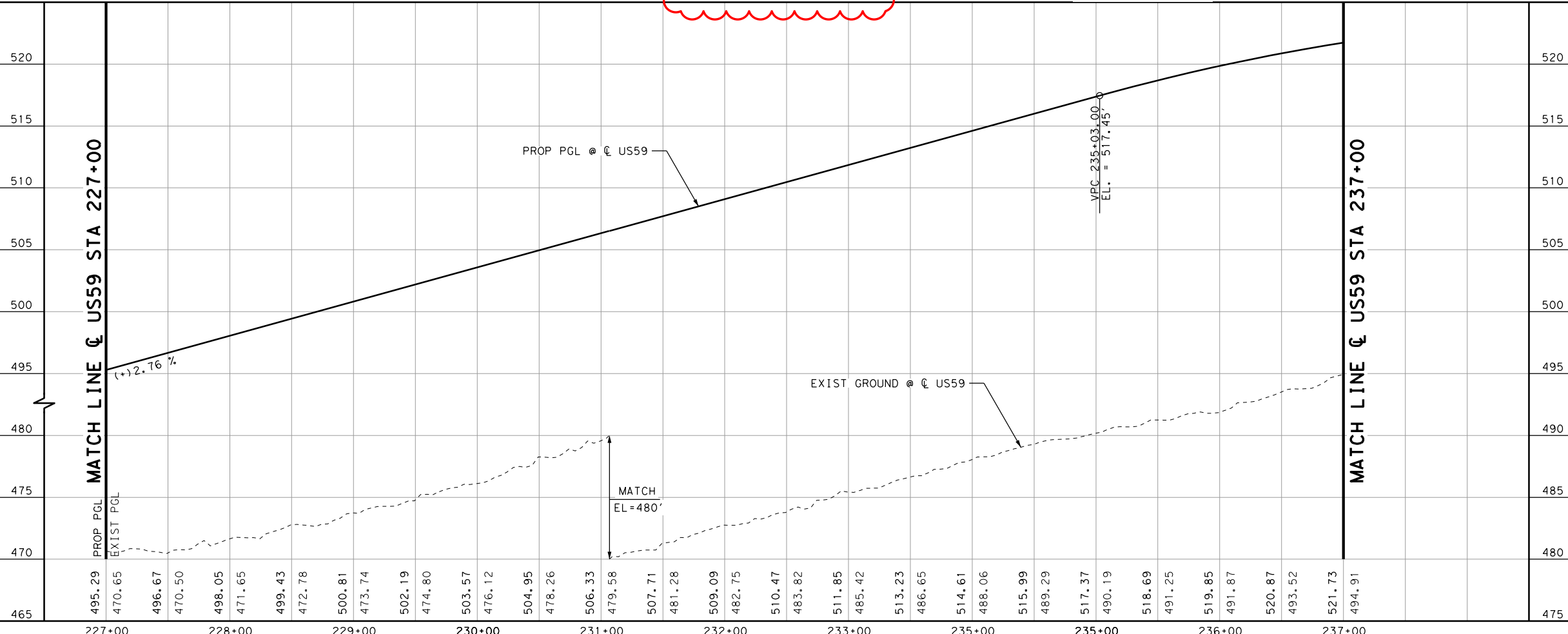
SHEET 4 OF 4



REVISED CALL OUTS
 07/24/2023

- LEGEND**
- ① RETAINING WALL (MSE)
 - ② RIPRAP (CONC) (4 IN)
 - ③ RIPRAP (CONC) (5 IN)
 - ④ RIPRAP (MOWSTRIP) (4 IN)
 - ⑤ RAIL (TY SSTR)
 - ⑥ RAIL (TY C221)
 - ⑦ RAIL (HANDRAIL)
 - ⑧ PERM CTB (SGL SLOPE) (TY 1) (42)
 - ⑨ COLORED TEXTURED CONC (4")
 - ⑩ CONC CURB (TY II)
 - ⑪ CONC CURB & GUTTER (TY II)
 - ⑫ CONC CURB (U-TURN)
 - ⑬ DRIVEWAYS (CONC)
 - ⑭ CONC SIDEWALKS (4 IN)
 - ⑮ CURB RAMPS
 - ⑯ MTL W-BEAM GD FEN (TIM POST)
 - ⑰ MTL BEAM GD FEN TRANS (THRIE-BEAM)
 - ⑱ DOWNSTREAM ANCHOR TERMINAL SECTION
 - ⑲ GUARDRAIL END TREATMENT (INSTALL)
 - ⑳ CRASH CUSH ATTN (INSTL)
- ROADWAY CONSTRUCTION LIMITS
- DRIVEWAY NUMBER
- XXXXX-X HORIZONTAL CURVE NUMBER
- EXIST DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC

- NOTES:**
1. DIMENSIONS ARE TAKEN FROM FACE OF CURB OR FACE OF RAIL UNLESS OTHERWISE SHOWN IN PLANS.
 2. SEE "HORIZONTAL ALIGNMENT DATA" SHEETS FOR HORIZONTAL ALIGNMENT DATA.
 3. SEE FRONTAGE ROAD, RAMP, CROSS STREET AND TURN-AROUND P&P SHEETS FOR MORE INFORMATION AND PERTINENT BID ITEMS.
 4. SEE "CULVERT LAYOUT" SHEETS OR "STORM SEWER PLAN & PROFILE" SHEETS FOR MORE DRAINAGE INFORMATION AND PERTINENT BID ITEMS.
 5. SEE TYPICAL SECTIONS, SUPERELEVATION TABLES, AND MISCELLANEOUS ROADWAY DETAILS FOR MORE INFO.
 6. SEE "RETAINING WALL LAYOUT" SHEETS FOR MORE INFORMATION AND PERTINENT BID ITEMS.
 7. SEE "BRIDGE LAYOUTS" SHEETS FOR MORE INFORMATION AND PERTINENT BID ITEMS.



STATE OF TEXAS
 DAVID W. HAWLEY
 92962
 LICENSED PROFESSIONAL ENGINEER
 7/18/2023

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NO.	REVISIONS	BY	DATE

AECOM 19219 KATY FREEWAY
 SUITE 100
 HOUSTON, TX 77094

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Texas Department of Transportation

US 59

**MAINLANES
 PLAN & PROFILE**

STA 227+00.00 TO STA 237+00.00

SHEET 7 OF 31

DN:	CL	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	DH	6	TEXAS		US 59
DW:	KM	STATE DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
CK DW:	GE	LRD	WEBB	0086 14	075, ETC.

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1. DEFINITION OF TERMS

T_{FS} - FAST TRACK CONCRETE PAVING DEPTH AT INTERSECTIONS AND LEAVE OUTS.
 T - NOMINAL CONCRETE PAVING DEPTH AS SHOWN IN THE PLANS.
 DETERMINE FAST TRACK CONCRETE PAVING DEPTH USING TABLE 1 AND THE NOMINAL CONCRETE PAVING DEPTH "T" SHOWN IN THE PLANS.

- AT INTERSECTIONS AND LEAVE-OUT LOCATIONS USE THE SAME LONGITUDINAL AND TRANSVERSE BAR SPACING FOR THE FAST TRACK PAVING AREA AS THAT USED FOR THE ADJACENT CONCRETE PAVING DEPTH "T" (EXCEPT BAR SIZE SHALL BE #7 ON SINGLE MAT). FOR SINGLE MAT FAST TRACK PAVING, PLACE THE LONGITUDINAL AND TRANSVERSE BARS FOR THE FAST TRACK PAVING AREA AT THE HORIZONTAL PLANE ELEVATION THAT IS TWO TIE-BAR DIAMETERS LOWER THAN THAT USED FOR THE ADJACENT CONCRETE PAVING DEPTH "T", AS SHOWN IN CRCP (1)-23 TRANSVERSE CONSTRUCTION JOINT DETAIL. USE SINGLE MAT STEEL IN FAST TRACK PAVING AREAS ADJACENT TO PAVEMENT SLABS WITH SINGLE MAT REINFORCING. USE DOUBLE MAT STEEL IN FAST TRACK PAVING AREAS ADJACENT TO PAVEMENT SLABS WITH DOUBLE MAT REINFORCING.
- THE REQUIRED FAST TRACK PAVING AREAS WILL BE SHOWN ON THE PLANS. THE CONTRACTOR HAS THE OPTION TO UTILIZE FAST TRACK CONCRETE PAVING AT U-TURNS, AT INTERSECTIONS, AT MINOR STREETS, AND AT DRIVEWAYS WITH FRONTAGE ROAD LEAVE-OUT AREAS THAT ARE NOT SHOWN ON THE PLANS, WITH PRIOR WRITTEN APPROVAL FROM THE ENGINEER. TYPICAL PAVING PLANS FOR THE INTERSECTION OF A MAJOR STREET WITH THE FRONTAGE ROAD ARE SHOWN AS FIGURE 2, AND FOR THE INTERSECTION OF A MINOR STREET OR DRIVEWAY WITH THE FRONTAGE ROAD AS FIGURE 3. FAST TRACK PAVE THE FRONTAGE ROAD FOR THE FULL FRONTAGE ROAD WIDTH AND PLACE IN STAGES AS REQUIRED.

- USE ADDITIONAL #6 REINFORCING STEEL BARS (MINIMUM 42 INCHES LONG) AND SPACE THEM MIDWAY BETWEEN ALTERNATE LONGITUDINAL BARS ALONG THE TRANSVERSE CONSTRUCTION JOINT FORMED AT THE FAST TRACK PAVING INTERFACE (T_{FS}) WITH THE ADJACENT PAVEMENT SLAB (T).
- SPLICE LENGTH IS A MINIMUM OF 33 TIMES THE NOMINAL STEEL DIAMETER.
- PLACE THE CONCRETE PLACEMENT AT A UNIFORM DEPTH THROUGHOUT THE FAST TRACK CONCRETE PAVING AREA.
- FOR CONTINUOUS SECTIONS OF ROADWAY WHERE FAST TRACK PAVING IS THE PRIMARY PAVEMENT TYPE, USE THE BAR SIZE AND SPACING FROM THE CRCP STANDARDS THAT CORRESPONDS TO THE FAST TRACK SLAB THICKNESS.
- USE LONGITUDINAL TIE-BARS OF THE SAME SIZE DIAMETER AND SPACING AS THE LONGITUDINAL BAR. A SINGLE PIECE TIE-BAR MAY BE USED IF THE 33 TIMES DIAMETER TIE-BAR PROJECTION DOES NOT INTERFERE WITH THE SAFE HANDLING OF TRAFFIC.
- BASE THE DEPTH OF SAW CUTS FOR SAWED JOINTS ON THE FAST TRACK CONCRETE PAVEMENT THICKNESS.
- THIS STANDARD IS NOT INTENDED TO REPLACE OTHER STANDARDS EXCEPT WHERE SPECIFICALLY STATED HEREIN. FOR PAVING DETAILS NOT SHOWN ON THIS DRAWING, REFER TO THE STANDARD SHEETS FOR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT SHOWN ELSEWHERE IN THE PLANS.

TABLE 1

EQUIVALENT PAVEMENT THICKNESS	
T * (IN.)	T_{FS} ** (IN.)
<=12"	T+3"
>12"	15"

- * WITH PAVEMENT STRUCTURE OF:
- ② 10" CONC PVMT (CONT REINF - CRCP)
 - ③ 4" D-GR HMA TY-B SAC-B PG64-22
120 LBS/SY/IN
 - ④ PRIME COAT (MC-30)
0.2 GAL/SY
 - ⑤ 6" FL BS (CMP IN PLC) (TYA GR1-2) (FNAL POS)
 - ⑦ PROOF ROLL
- ** WITH PAVEMENT STRUCTURE OF
- T_{FS} = 13" CONC PVMT (CONT REINF) (FAST TRK)
 - ③ 4" D-GR HMA TY-B SAC-B PG64-22
120 LBS/SY/IN
 - ⑦ PROOF ROLL
- *** SEE JOINT SEALING DETAILS ON CRCP STANDARDS

LEGEND

CRCP - CONTINUOUSLY REINFORCED CONCRETE PAVEMENT



REVISED 7/24/2023

Texas Department of Transportation
Houston District

FAST TRACK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT DETAILS

CRCP-FT (MOD)

FILE: UCURBNEW.DGN	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT	2014	DIST	FED REG	PROJECT NO.
REVISIONS	LRD	6	SEE TITLE SHEET	1008
COUNTY	CONTROL	SECT	JOB	HIGHWAY
WEBB	0086	14	075, ETC	US 59

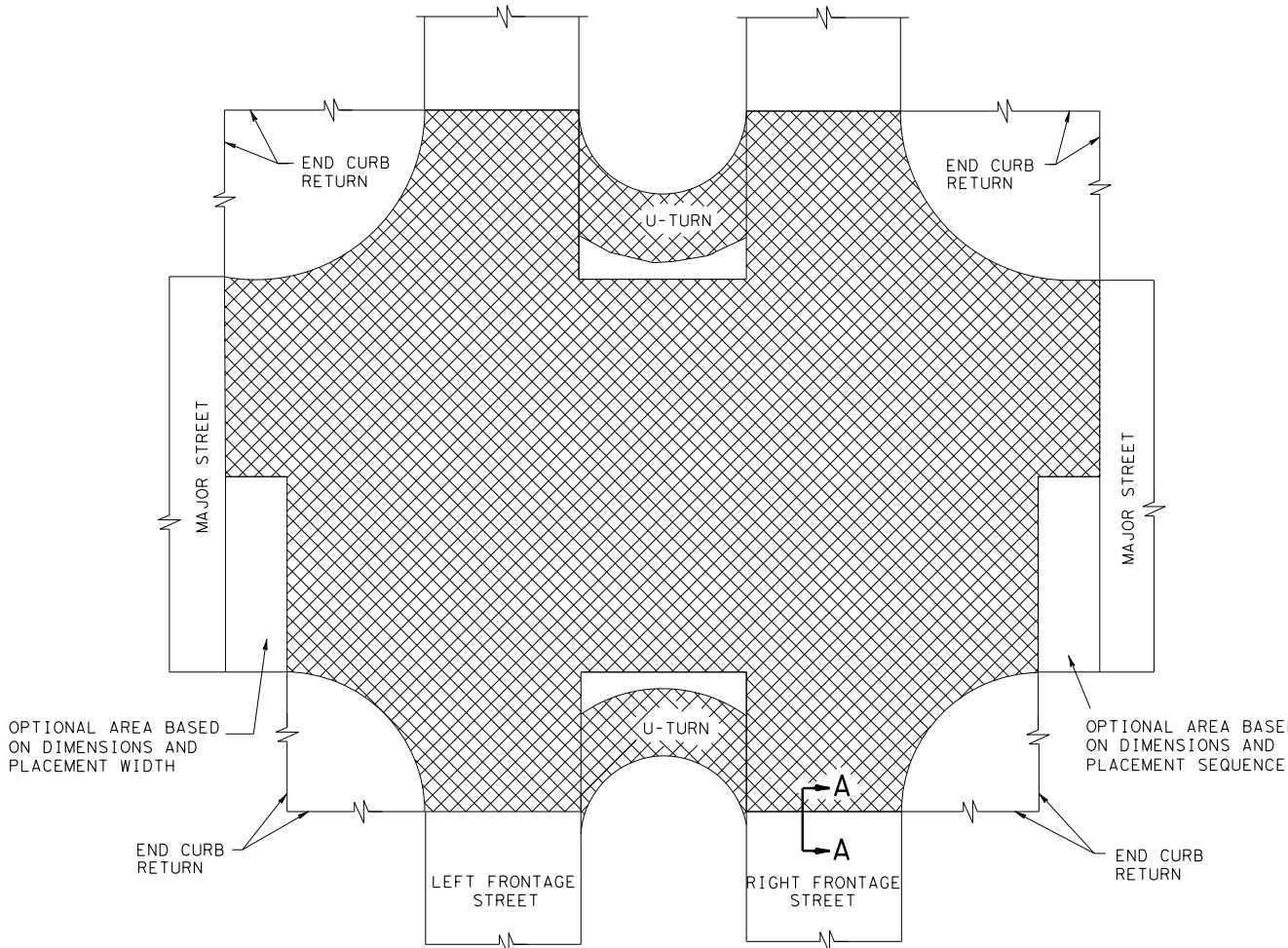


FIGURE 2
INTERSECTION OF MAJOR STREET WITH FRONTAGE STREET

FAST TRACK PAVING AREA

TYPICAL PAVING PLANS

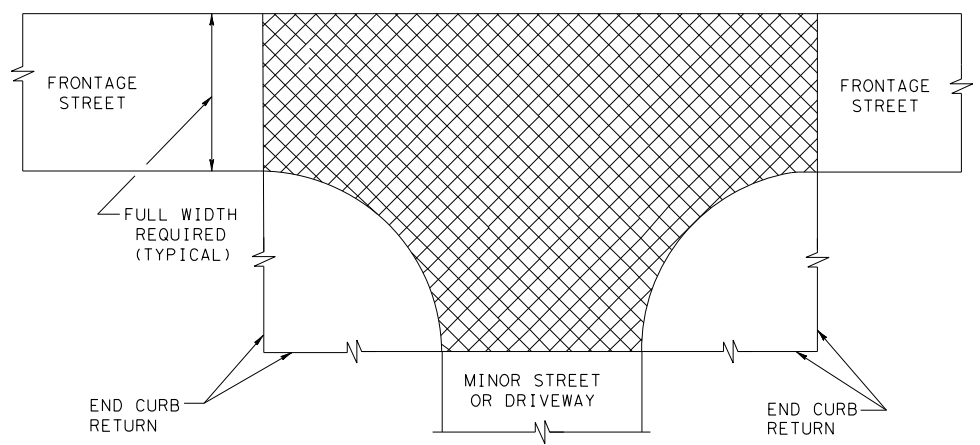
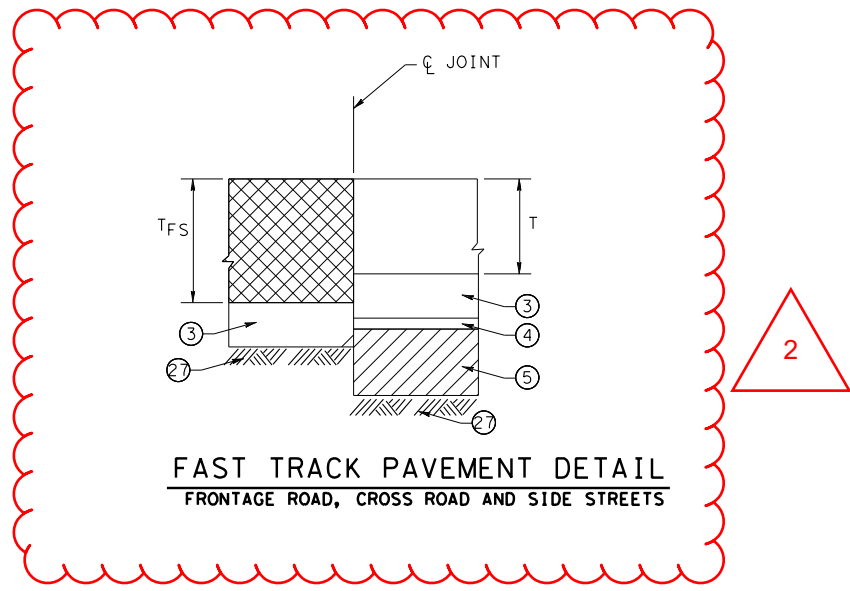
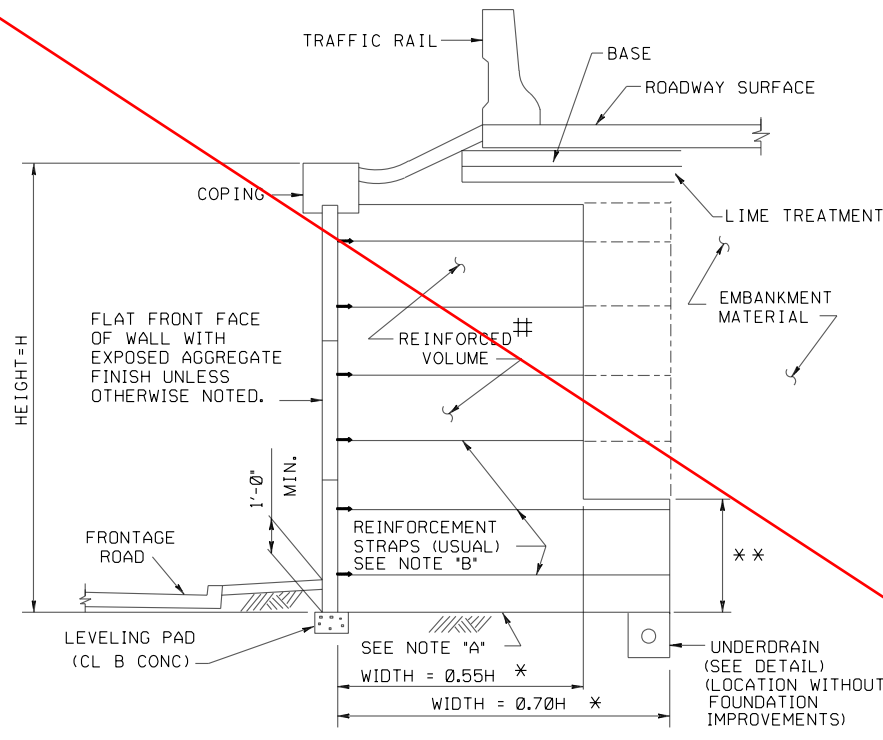


FIGURE 3
INTERSECTION OF MINOR STREET OR DRIVEWAY WITH FRONTAGE STREET

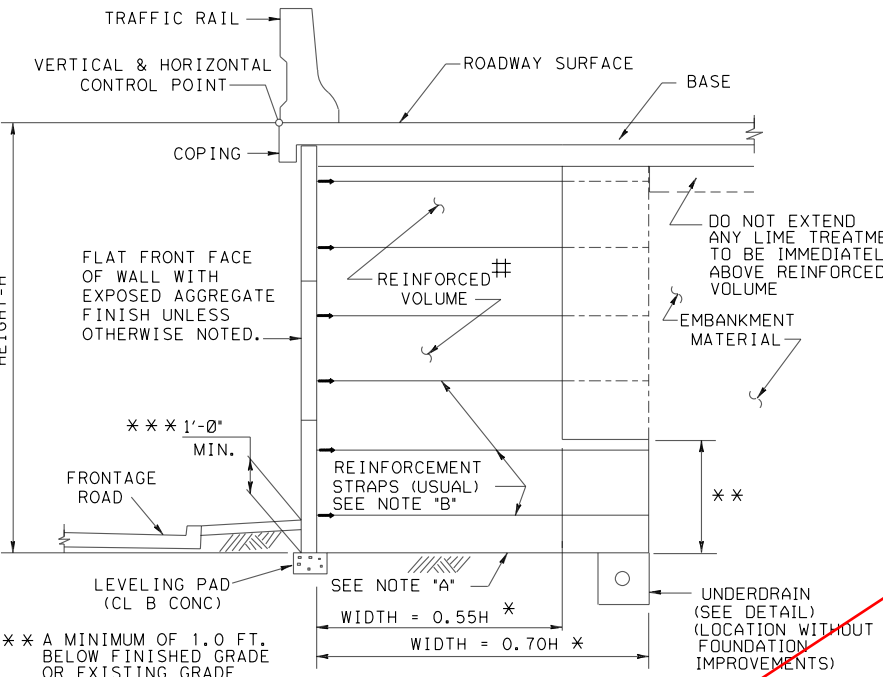


FAST TRACK PAVEMENT DETAIL
FRONTAGE ROAD, CROSS ROAD AND SIDE STREETS

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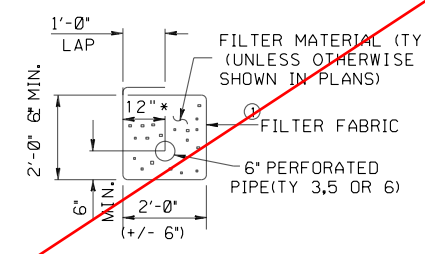


TYPICAL SECTION
(WALL AT BOTTOM OF SLOPE)

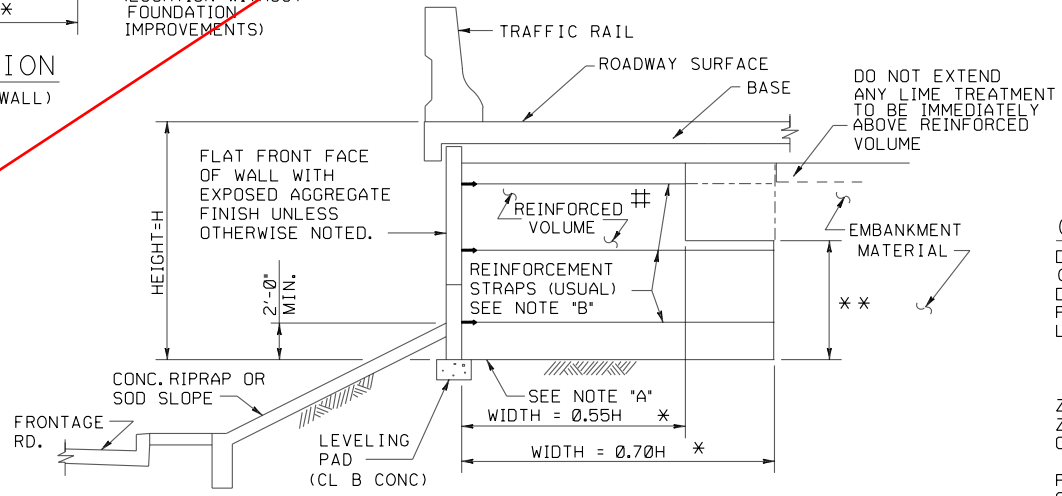


TYPICAL SECTION
(SHOWING ROADWAY ON WALL)

① FILTER FABRIC MEETING THE REQUIREMENTS OF DMS-6200 TYPE 1.

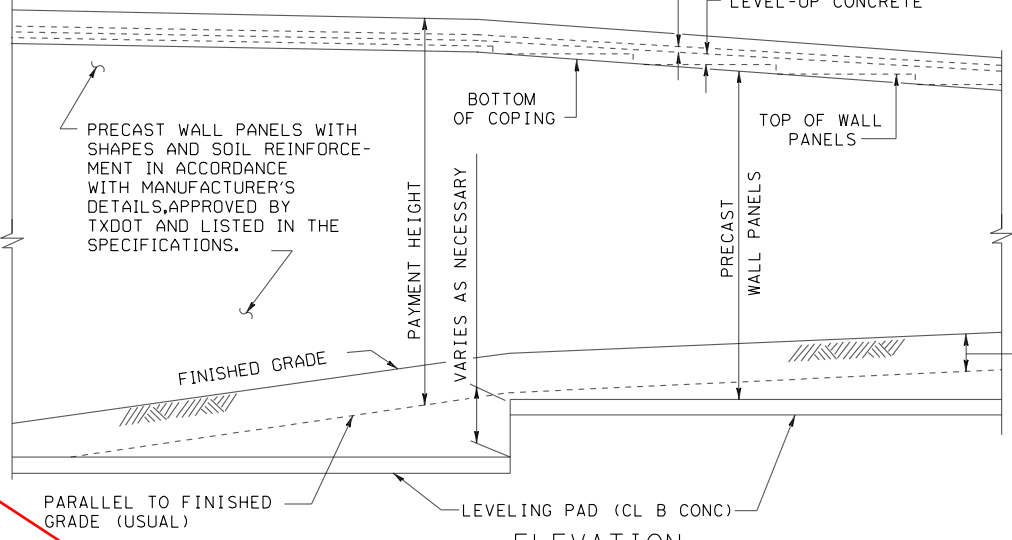


UNDERDRAIN DETAIL



TYPICAL SECTION
(WALL AT TOP OF SLOPE)

NOTE: LEVEL-UP CONCRETE AND EXPANSION JOINT MATERIAL SHALL BE INCLUDED IN THE COST OF THE RETAINING WALL



ELEVATION

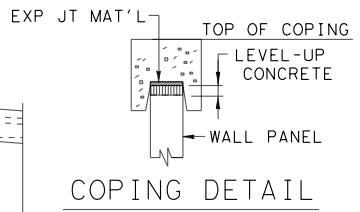
NOTE "A": COMPACT THE SOIL UNDER THE LEVELING PAD AND THE REINFORCED VOLUME INCLUDING A MINIMUM OF TWO (2) FEET IN FRONT OF THE LEVELING PAD TO A MINIMUM OF 98% OF THE MAXIMUM DRY DENSITY, AS PRESENTED IN TEST METHOD TEX-114-E. THE DENSITY TESTING OF THE SOIL WILL BE OUTLINED IN TEST METHOD TEX-115-E. COST OF THIS COMPACTION WILL NOT BE PAID FOR DIRECTLY BUT IS INCIDENTAL TO THE UNIT PRICE BID FOR "RETAINING WALL."

NOTE "B": WHEN BACKFILL DOES NOT COMPLY WITH pH AND RESISTIVITY REQUIREMENTS, USE EPOXY COATED METALLIC REINFORCEMENTS. ALSO EPOXY COAT CONNECTION HARDWARE USED WITH EPOXY COATED REINFORCEMENTS. USE EPOXY CONFORMING TO THE REQUIREMENTS OF THE ITEM, "EPOXY." THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT IS CONSIDERED INCIDENTAL TO THE UNIT PRICE BID FOR "RETAINING WALL."

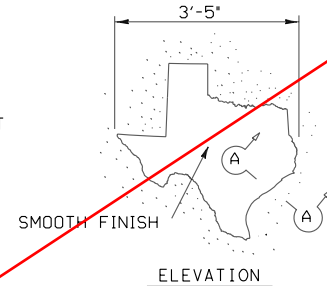
* THE CONTRACTOR HAS THE OPTION OF PROVIDING A REINFORCED VOLUME WITH TWO DIFFERENT WIDTHS (0.55H BUT NOT LESS THAN SIX FEET AND 0.70H BUT NOT LESS THAN EIGHT FEET), OR WITH A CONSTANT WIDTH EQUAL TO 0.70H BUT NOT LESS THAN EIGHT FEET AS SHOWN.

** 3 IN. MINIMUM ABOVE THE SECOND COURSE OF SOIL REINFORCEMENTS, BUT NO LESS THAN 4 FEET.

REINFORCED VOLUME TO BE PAID AS ITEM 132-6006 EMBANKMENT (FINAL) (DENS CONT) (TY C)

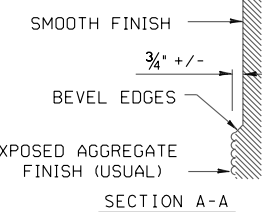


COPING DETAIL
(SHOWING LEVEL-UP CONCRETE & COPING)

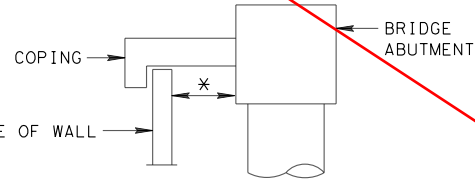


MAP OF TEXAS EMBLEM

(FOR NON - GREEN RIBBON PROJECTS ONLY)
FORM MAP OF TEXAS EMBLEM INTO A WALL PANEL NEXT TO EACH BRIDGE ABUTMENT. PLACE THE EXACT LOCATION OF EACH EMBLEM AS APPROVED BY THE ENGINEER. THE COST OF FORMING THE EMBLEMS WILL NOT BE PAID FOR DIRECTLY, BUT IS CONSIDERED INCIDENTAL TO THE UNIT PRICE BID FOR "RETAINING WALL."



SECTION A-A



TYPICAL SECTION
(WALL AT ABUTMENT)

* 2' MINIMUM AND 3' DESIRABLE EDGE DISTANCE FROM BACK OF PANEL TO FRONT OF ABUTMENT.

CORROSION CRITERIA

DESIGN THE EARTH REINFORCEMENT ELEMENTS TO HAVE A CORROSION RESISTANCE DURABILITY TO ENSURE A MINIMUM DESIGN LIFE OF 75 YEARS. COMPUTE THE MAXIMUM LOSS PER SIDE DUE TO CORROSION BY ASSUMING A UNIFORM LOSS MODEL BASED ON THE FOLLOWING:

ZINC CORROSION RATE (FIRST 2 YEARS) - 15 UM/YR.
ZINC CORROSION RATE (SUBSEQUENT YEARS) - 4 UM/YR.
CARBON STEEL CORROSION RATE - 12 UM/YR.

PERFORM STRESS AND PULLOUT CALCULATIONS ON THE CALCULATED EARTH REINFORCEMENT SECTION REMAINING AFTER 75 YEARS.

NOTES

RAILING AND ROADWAY SLAB ARE PAID FOR UNDER THE APPROPRIATE ROADWAY ITEMS. MODIFICATIONS TO THE RAIL OR ROADWAY SLAB TO FORM COPING ARE CONSIDERED INCIDENTAL TO THE SQUARE FOOT COST OF THE BID ITEM, "RETAINING WALL".
PLACE THE UPPERMOST REINFORCEMENT STRAPS NO MORE THAN 3.5' BELOW THE TOP OF THE WALL. PLACE THE LOWEST LEVEL OF REINFORCEMENT STRAPS NO MORE THAN 2.0' ABOVE THE TOP OF THE LEVELING PAD.
PROVIDE UNDERDRAINS ONLY AT LOCATIONS SHOWN ON THE PLANS. INCLUDE THE COST OF FURNISHING AND INSTALLING UNDERDRAINS IN THE UNIT PRICE BID FOR "RETAINING WALL."

THE REINFORCED VOLUME CONSISTS OF CEMENT STABILIZED BACKFILL IN ACCORDANCE WITH ITEM 132 AND HOUSTON DISTRICT SPECIAL PROVISION (132-001).

PAYMENT HEIGHT SHOWN IN RETAINING WALL LAYOUTS IS CONSIDERED THE MINIMUM HEIGHT TO BE FURNISHED. ADDITIONAL WALL FURNISHED BELOW PAYMENT LINE DUE TO DETAILING OR FABRICATOR DESIGN REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCIDENTAL.

THE CONTRACTOR MAY USE A DIFFERENT TYPE OF TRAFFIC RAIL AND COPING ON RETAINING WALLS IF THE DESIGN AND DETAILS ARE APPROVED BY THE ENGINEER.

WHEN OBSTRUCTIONS (INLETS, DRILLED SHAFTS, PILING, ETC.) PREVENT PLACEMENT OF SOIL REINFORCEMENTS IN THEIR NORMAL LOCATIONS, PROVIDE DETAILS AND CALCULATIONS THAT ESTABLISH SUPPORT FOR THE AFFECTED PANELS. FURNISH THE SAME STEEL AREA OF SOIL REINFORCEMENTS AS THAT REQUIRED IN THE ABSENCE OF THE OBSTRUCTION. PROVIDE CALCULATIONS THAT JUSTIFY ANY ALTERATIONS MADE TO THE SOIL REINFORCEMENTS OR MODIFICATIONS TO THEIR NORMAL PLACEMENT. DO NOT USE PANELS WITHOUT ANY SOIL REINFORCEMENTS CONNECTED TO THEM UNLESS THEY ARE CONNECTED WITH GALVANIZED HARDWARE TO ADJACENT PANELS WHICH DO HAVE SUPPORTING SOIL REINFORCEMENTS ATTACHED TO THEM AND AS APPROVED BY THE ENGINEER.

DESIGN PARAMETERS

BASE RETAINING WALL DESIGN ON THE FOLLOWING DESIGN PATTERNS:

EMBANKMENT MATERIAL (BEHIND CEMENT STABILIZED BACKFILL)	UNIT WEIGHT - 125 PCF ϕ 30°C = 0 PSF KA = 0.333
CEMENT STABILIZED BACKFILL	UNIT WEIGHT = 125 PCF ϕ 45°C = 0 PSF

ALLOWABLE STRESSES IN STEEL AND CONCRETE ARE IN ACCORDANCE WITH CURRENT A.A.S.H.T.O. AND INTERIM SPECIFICATIONS.

THE MINIMUM LENGTH OF REINFORCEMENT STRAPS FOR A 0.55H STEP WALL IS SIX FEET AND FOR A 0.70H WALL IS EIGHT FEET.

EXTERNAL STABILITY CRITERIA

PROVIDE A FACTOR OF SAFETY IN SLIDING ALONG THE BASE OF THE STRUCTURE OF GREATER THAN OR EQUAL TO 1.5.

PROVIDE A FACTOR OF SAFETY IN OVERTURNING OF GREATER THAN OR EQUAL TO 2.0.

THE MAXIMUM ALLOWABLE BEARING PRESSURE IS 1/2 THE ULTIMATE BEARING CAPACITY OF THE FOUNDATION.

THE WIDTHS SHOWN HEREIN ARE CONSIDERED MINIMUM UNLESS A LARGER WIDTH IS SPECIFIED ON THE WALL PLANS OR REQUIRED BY THE FABRICATOR'S DETAILS.

ENSURE THE BASE PRESSURE RESULTANT FALLS WITHIN THE MIDDLE THIRD OF THE RETAINING WALL.

PROVIDE A FACTOR OF SAFETY AGAINST PULLOUT OF THE EARTH REINFORCEMENTS OF GREATER THAN OR EQUAL TO 1.5 AT EACH LEVEL. DETERMINE PULLOUT RESISTANCE FROM TEST DATA EVALUATED AT 1/4 INCH STRAIN.



3/29/2023

Godwin Arthur
Omega Engineers, Inc. (F-2147)

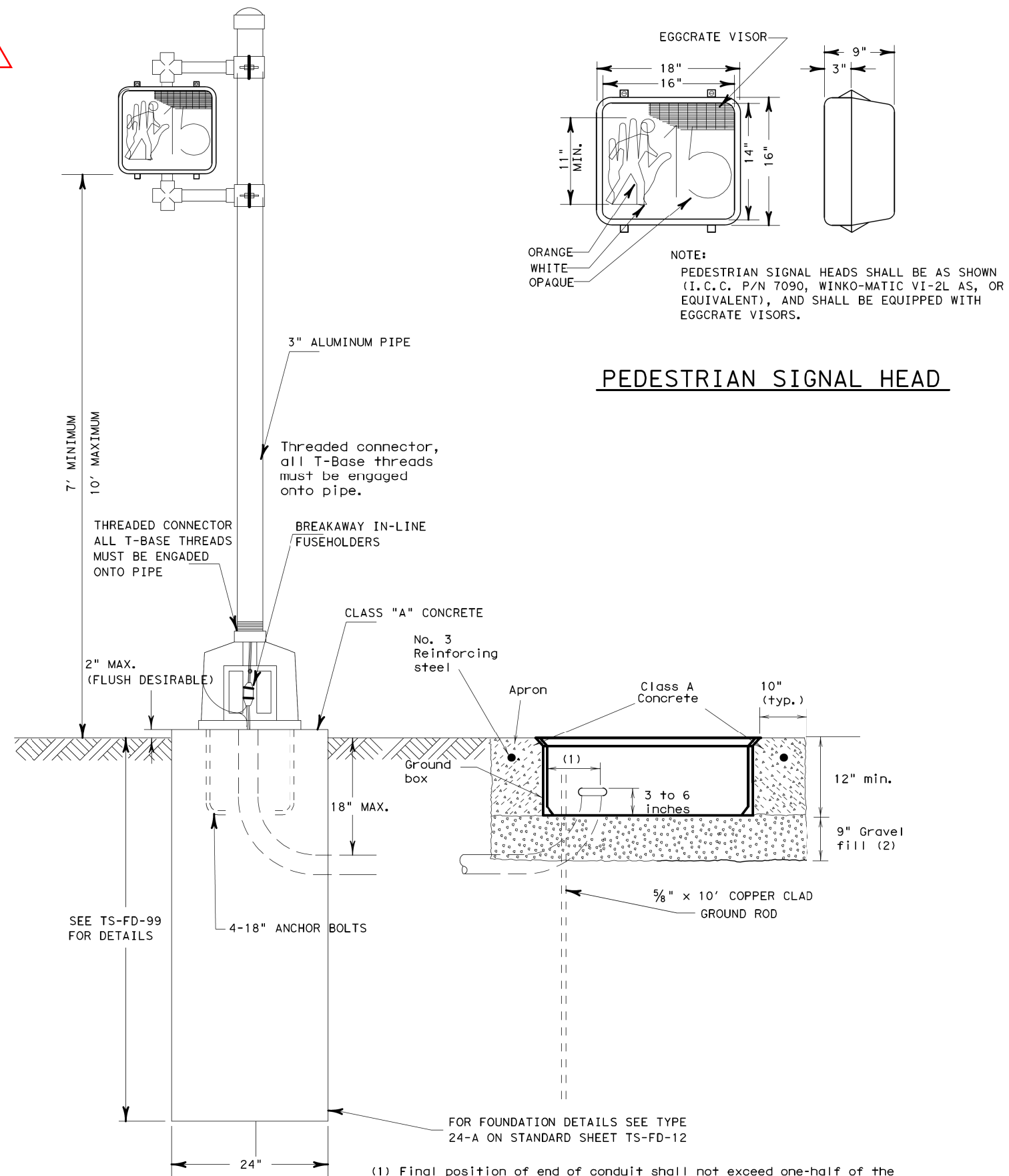
Texas Department of Transportation
Houston District

MECHANICALLY STABILIZED RETAINING WALL
CEMENT STABILIZED BACKFILL

MSRW-CSB

FILE: STDJ4.DGN	DN:	CK:	DW:	CK:
© TXDOT 2014	DIST	FED REG	PROJECT NO.	SHEET
MAR 2015 - 2014 SPECS	LRD	6		1149
	WEBB	0086	14	075, ETC
		CONTROL	SECT	JOB
				HIGHWAY
				US 59

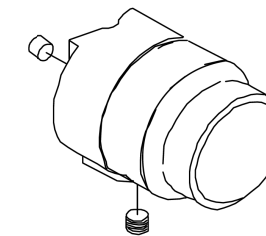
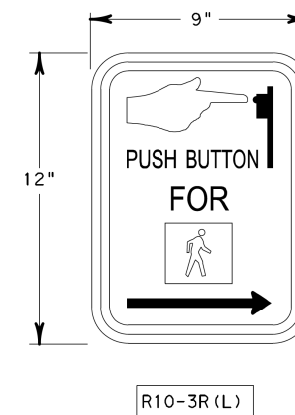
2



PEDESTRIAN SIGNAL HEAD

DETAIL OF PEDESTAL POLE AND FOUNDATION

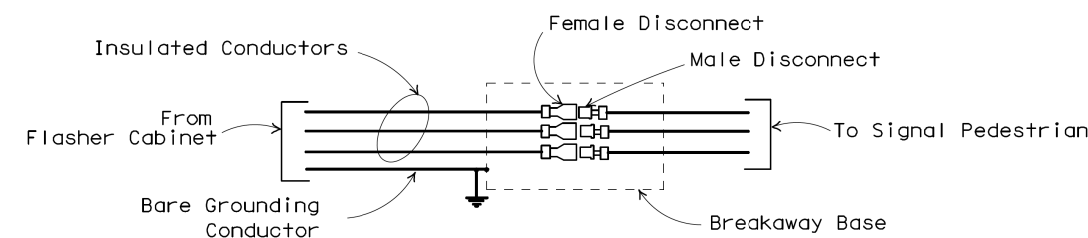
- (1) Final position of end of conduit shall not exceed one-half of the distance to the side of the box opposite of the conduit entry.
- (2) Place gravel "under" the box, not "in" the box. Gravel should not encroach on the interior volume of the box.



NOTE:
THE PUSH BUTTON SHOWN IS ONLY USED AS AN EXAMPLE. PUSH BUTTONS DESIGNED WILL BE ACCORDING TO THE LATEST GUIDELINES ACCEPTED BY ADA.

ACCESSIBLE PEDESTRIAN SIGNAL UNITS

THE 9"x12" SIGN SHOWN SHALL BE USED ON MAST ARM POLES AND ON PEDESTAL POLES. THE PUSH BUTTON SHALL BE INSTALLED 42" (± 4") ABOVE GROUND LEVEL.



BREAKAWAY IN-LINE FUSEHOLDERS

NOTES:

- 1. All electrical connectors for breakaway poles shall be water tight breakaway fuseholders (Ferraz-Shawmut FEB or equal). All electrical connections for neutrals shall be breakaway and shall have a white color marking and a permanently installed solid neutral (Ferraz-Shawmut FEBN or equal). Fuses shall be 10 amp time delay.
- 2. Unless otherwise shown on the plans, pole shaft shall be schedule 40 Aluminum pipe, alloy 6061-T6 only. Aluminum conduit will not develop the necessary strength and will not be allowed. When specifically shown elsewhere on the plans, pipe shall be 3 inch Schedule 40 Rigid Metal Conduit with reducer

2

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PEDESTAL POLE ASSEMBLY

Rev. 08-12

DN:	STATE:	STATE PROJECT NO.:	HIGHWAY NO.:
CK DN:	TEXAS		US59
DW:			
CK DW:	COUNTY:	CONTROL NO.:	SECTION NO.:
TR:	WEBB	0086	14
CK TR:			
			JOB NO.:
			075, ETC.
			SHEET NO.:
			1968