



COLLIN COUNTY, TEXAS

ADDENDUM No. One (1)

IFB NO. 02180-10

INVITATION FOR BIDS

FOR

Construction, Bridge: County Road 638 over Sabine Creek

DATE: April 9, 2010

NOTICE TO ALL PROSPECTIVE BIDDERS:

YOU ARE HEREBY DIRECTED TO MAKE CHANGES TO THE INVITATION FOR BIDS IN ACCORDANCE WITH THE ATTACHED INFORMATION.

Delete: CR 638 Bid Quantities

Replace with: CR 638 Bid Quantities-Addendum #1 (4-9-10)

Changes made to Bid Quantities:

1. Modified Item 13 to reflect correct quantity for Reinforced Concrete Slab
2. Modified Item 14 to have correct beam notation
3. Modified Item 16 to have correct rail notation

Delete: General Notes and Quantities

Replace with: General Notes and Quantities Addendum #1 (4-9-10)

Changes made to General Notes and Quantities

1. Added Note 5 to Erosion Control Notes
2. Change County Commissioners name for Precinct No. 2
3. Modified Concrete Slab Quantity

Delete: Roadway Typical Section

Replace with: Roadway Typical Section Addendum #1 (4-9-10)

Changes made to Roadway Typical Section

1. Revised Railing Callout

Delete: Bridge Layout
Replace with: Bridge Layout Addendum #1 (4-9-10)

Changes made to Bridge Layout
1. Modified Approach Slab thickness.

ADD: Pre-Bid Sign-In form

PLEASE NOTE ALL OTHER TERMS, CONDITIONS, SPECIFICATIONS DRAWINGS,
ETC. REMAIN UNCHANGED.

SINCERELY,
FRANKLIN YBARBO
PURCHASING AGENT

CR 638 – BID QUANTITIES – Addendum #1 (4-9-10)

BID QUANTITIES FOR BRIDGE REPLACEMENT
AT CR638 AT SABINE CREEK

BID DOCUMENT

BID	ITEM SPECIFICATION	QUANTITIES	UNIT	BID ITEM DESCRIPTION AND UNIT PRICE BID. IN NUMBERS	AMOUNT BID
	NO. ITEM NUMBER			UNIT PRICE BID WRITTEN IN WORDS	
1	100	8.10	STA	PREPARING AND MAINTAINING OF RIGHT-OF-WAY for _____ DOLLARS and _____ CENTS PER STATION	_____
2	105	2000.0	SY	REMOVE STABILIZED BASE AND ASPHALT PAVING for _____ DOLLARS and _____ CENTS PER SQUARE YARD	_____
3	110	750.00	CY	EXCAVATION (ROADWAY & CHANNEL) for _____ DOLLARS and _____ CENTS PER CUBIC YARD	_____

CR 638 – BID QUANTITIES – Addendum #1 (4-9-10)

4	132	100.0	CY	EMBANKMENT (RDWY)(TY B)(CL 3)(DENS CONT) for _____ and _____ PER CUBIC YARD	DOLLARS CENTS	_____	_____
5	164	1.2	AC	CELLULOSE MULCH/SEED for _____ and _____ PER ACRE	DOLLARS CENTS	_____	_____
6	247	1920.00	SY	FLEXIBLE BASE (COMPLETE IN PLACE)(TY A)(GR 3)(8") for _____ And _____ PER SQUARE YARD	DOLLARS CENTS	_____	_____
7	340	200.00	TON	RE-BASE W/ MC-50 for _____ and _____ PER TON	DOLLARS CENTS	_____	_____
8	340	216	TON	HOT-MIX ASPHALT PAVING(TYPE D)(SAC B)(PG64-22) for _____ and _____ PER TON	DOLLARS CENTS	_____	_____

CR 638 – BID QUANTITIES – Addendum #1 (4-9-10)

9	400	35.0	CY	CEMENT STABILIZED BACKFILL for _____ and _____ PER CUBIC YARD	DOLLARS CENTS	_____	_____
10	416	144.0	LF	DRILLED SHAFT FOUNDATIONS (24" SHAFT/60" BELL) for _____ And _____ PER LINEAR FOOT	DOLLARS CENTS	_____	_____
11	420	19.0	CY	CLASS "C" CONCRETE (ABUTMENTS) for _____ And _____ PER CUBIC YARD	DOLLARS CENTS	_____	_____
12	420	43.0	CY	CLASS "S" CONCRETE (APPROACH SLABS) for _____ And _____ PER CUBIC YARD	DOLLARS CENTS	_____	_____
13	422	1300.0	SF	REINFORCED CONCRETE SLAB for _____ And _____ PER SQUARE FOOT	DOLLARS CENTS	_____	_____

CR 638 - BID QUANTITIES - Addendum #1 (4-9-10)

14	425	247.5	LF	PRESTRESSED CONCRETE SLAB BEAM(5SB15) for _____ DOLLARS And _____ CENTS PER LINEAR FOOT _____
15	428	150.00	SY	CONCRETE SURFACE TREATMENT (CLASS D) for _____ DOLLARS And _____ CENTS PER SQUARE YARD _____
16	450	124.0	LF	TRAFFIC RAIL (TYPE T223) for _____ DOLLARS and _____ CENTS PER LINEAR FOOT _____
17	454	53.00	LF	SEALED EXPANSION JOINTS (4" -Type A) for _____ DOLLARS And _____ CENTS PER LINEAR FOOT _____
18	459	608.0	SY	GALVANIZED GABIONS WITH PVC COATING (12" MATTRESS) for _____ DOLLARS and _____ CENTS PER SQUARE YARD _____

CR 638 – BID QUANTITIES – Addendum #1 (4-9-10)

19	459	75.0	CY	GALVANIZED GABIONS WITH PVC COATING (3' x 3')		
				for _____	DOLLARS	
				and _____	CENTS	
				PER CUBIC YARD		_____
20	496	2	EA	REMOVE OLD STRUCTURE (LARGE)		
				for _____	DOLLARS	
				and _____	CENTS	
				PER EACH		_____
21	500	1	LS	MOBILIZATION FOR PROJECT		
				for _____	DOLLARS	
				and _____	CENTS	
				PER LUMP SUM		_____
22	502	4	MO	BARRICADES, SIGNS AND TRAFFIC HANDLING		
				for _____	DOLLARS	
				and _____	CENTS	
				PER MONTH		_____
23	506	1	LS	EROSION CONTROL – ROCK FILTER DAMS(TYPE 4)		
				for _____	DOLLARS	
				and _____	CENTS	
				PER LUMP SUM		_____

CR 638 – BID QUANTITIES – Addendum #1 (4-9-10)

24	506	1440.0	LF	EROSION CONTROL – SEDIMENT CONTROL FENCE for _____ and _____ PER LINER FOOT _____	DOLLARS CENTS	_____	_____
25	540	4.0	EA	METAL BEAM GUARD FENCE-THREE BEAM CONNECTION (TIMBER POST) for _____ and _____ PER EACH _____	DOLLARS CENTS	_____	_____
26	540	300.0	LF	METAL BEAM GUARD FENCE (TIMBER POST) for _____ and _____ PER LINEAR FOOT _____	DOLLARS CENTS	_____	_____
27	540	4	EA	TERMINAL ANCHOR SECTION for _____ and _____ PER EACH _____	DOLLARS CENTS	_____	_____

CR 638 – BID QUANTITIES – Addendum #1 (4-9-10)

28	658	4	EA	OBJECT MARKERS (TYPE 3) for _____ and _____ PER EACH	DOLLARS CENTS

SUBTOTAL _____

TOTAL (ITEMS 1-28) _____

CODES AND REFERENCES

- A. CONSTRUCTION SPECIFICATIONS, TEXAS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES" 2004 INCLUDING SPECIAL PROVISIONS.
- B. DESIGN SPECIFICATIONS: AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 16TH EDITION, 1996.
- C. DESIGN LOADING: HL-93
- D. STANDARD DRAWINGS: TEXAS DEPARTMENT OF TRANSPORTATION.

CONSTRUCTION

- A. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS NOTED OTHERWISE.
- B. CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN IN THE DRAWINGS, WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.

DIMENSIONS

- A. DIMENSIONS SHALL NOT BE SCALED FROM DRAWINGS.
- B. CONTRACTOR SHALL INFORM ENGINEER/OWNER OF ANY DISCREPANCIES OF DIMENSIONS SHOWN IN THE DRAWINGS.

EXISTING UTILITIES

- A. THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THERE MAY BE OTHER UNKNOWN UTILITIES EXISTING NOT SHOWN ON THE PLANS THAT SHALL BE VERIFIED AND PROTECTED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- B. INFORM ENGINEER/OWNER OF ANY CONFLICTS BETWEEN BRIDGE FOUNDATION LAYOUT AND EXISTING UTILITIES.

REINFORCING STEEL

- A. ALL REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A615, GRADE 60.
- B. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE UNLESS SUPPRESSED BY THE CONSTRUCTION SPECIFICATIONS.
- C. REINFORCING BAR SPACING SHALL BE TO CENTER OF BAR UNLESS NOTED OTHERWISE.
- D. BEND DIMENSIONS SHALL BE OUT TO OUT OF BEND UNLESS NOTED OTHERWISE.
- E. ALL LAP SPLICES SHALL BE AASHTO CLASS "C" UNLESS NOTED OTHERWISE.

DRILLED SHAFT FOUNDATIONS

- A. THE FOLLOWING PARAMETERS WERE USED TO DESIGN THE DRILLING SHAFTS INTO THE DARK GRAY CALCAREOUS SHALE.

CR 638 @ SABINE CREEK:

ALLOWABLE END BEARING OF 35,000 PSF
ALLOWABLE SKIN FRICTION OF 1,300 PSF

- B. ALL DRILLED SHAFTS SHALL BE FOUNDED AT THE ELEVATIONS SHOWN ON THE BRIDGE PLAN AND PROFILE DRAWINGS OR DEEPER AS NECESSARY TO OBTAIN THE NOTED MINIMUM PENETRATION INTO THE GRAY UNWEATHERED LIMESTONE.
- C. TEMPORARY STEEL CASINGS MAY BE REQUIRED FOR THE DRILLED SHAFTS DUE TO THE PRESENCE OF GROUNDWATER DURING CONCRETE PLACEMENT. CASING SHALL BE USED IF A.) MORE THAN 1 INCH OF WATER IS PRESENT AT THE BASE OF THE SHAFT PRIOR TO CONCRETE PLACEMENT AND B.) IF THE WATER LEVEL IS RISING ABOVE 1 INCH AT THE TIME CONCRETE IS POURED INTO THE SHAFT. EXCAVATIONS SHALL BE FREE OF WATER AND LOOSE MATERIALS WHEN CONCRETE IS PLACED. INSTALLATION OF INDIVIDUAL SHAFTS SHALL BE IN A CONTINUOUS MANNER AND SHALL BE CONCRETED WITHIN AN EIGHT HOUR PERIOD AFTER THE DESIGN PENETRATION.
- D. EXCAVATED MATERIAL, EXCESSIVE CONCRETE, DRILLED SHAFT SHAVINGS, ETC., SHALL NOT BE DEPOSITED INTO THE CREEKS BUT SHALL BE DISPOSED AS NOTED IN THE SPECIFICATIONS, ITEM 416.

EROSION CONTROL

- 1. ROCK FILTER DAMS SHALL BE PLACED EVERY 100' ON THE FLOW LINE OF PROPOSED DITCHES. REFER TO TxDOT STANDARD DRAWING EC (2) - 93.
- 2. SEDIMENT CONTROL FENCE SHALL BE PLACED AT ALL DROP STRUCTURES. REFER TO TxDOT STANDARD DRAWING EC (1) - 93.
- 3. THE CONTRACTOR SHALL PROVIDE ALL EXPOSED AREAS WITHIN PROJECT LIMITS UNIFORM, PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 75% BEFORE PROJECT COMPLETION.
- 4. VEGETATIVE WATERING AND ALL INCIDENTALS SHALL BE SUBSIDIARY TO SEEDING.
- 5. ALL SEDIMENT CONTROL FENCES SHALL BE REMOVED AFTER PROJECT IS COMPLETED (70% ESTABLISHED COVERAGE).

EARTHWORK

- 1. ALL STRUCTURAL EXCAVATION & CEMENT STABILIZED BACKFILL SHALL BE SUBSIDIARY TO ITEMS 110 & 132

REMOVAL AND DISPOSAL OF EXISTING STRUCTURE

- A. THE EXISTING STRUCTURES SHALL BE REMOVED AND DISPOSED OF AS DIRECTED BY THE SPECIFICATIONS ITEM 496.

FENCES

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL FENCES THAT ARE DESIGNATED TO BE RELOCATED IN THE PLANS, OR DISTURBED OR REMOVED BY HIM DURING CONSTRUCTION. ALL SUCH FENCES SHALL BE CONSTRUCTION IN ACCORDANCE WITH TxDOT ITEM 552. FINAL LOCATION OF FENCE SHALL BE CONFIRMED BY THE CONTRACTOR WITH THE COUNTY. REPLACE GATES WITH TYPE 1 GATES.
- 2. WHERE FENCES ARE REMOVED BY THE CONTRACTOR, TEMPORARY FENCES SHALL BE PROVIDED BY THE CONTRACTOR TO PROTECT LIVESTOCK. SUCH FENCES SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING FENCE, AND SHALL REMAIN IN PLACE FOR THE DURATION OF THE CONSTRUCTION AND UNTIL THE PERMANENT FENCE IS INSTALLED. TEMPORARY FENCES SHALL BE CONSTRUCTED OF SUITABLE QUALITY (EQUAL TO OR BETTER THAN EXISTING) TO RETAIN THE LIVESTOCK. CONTRACTOR IS SOLELY AND ENTIRELY RESPONSIBLE FOR THE LOSS OF EXISTING LIVESTOCK PRESENT ON EACH PROPERTY ADJACENT TO EACH WORK SITE DUE TO MISSING OR INADEQUATE FENCE REMOVED OR INSTALLED BY HIM.

ROCK RIPRAP

- 1. MAXIMUM SIDE SLOPES SHALL NOT EXCEED 3:1.
- 2. 8oz PER SQ. YARD GEOTEXTILE FABRIC SHALL BE PLACED UNDER ALL ROCK RIPRAP.
- 3. STONES USED IN RIPRAP SHALL HAVE A MINIMUM SPECIFIC WEIGHT OF 160pcf.
- 4. ALL EXCAVATION REQUIRED FOR ROCK RIPRAP SHALL BE CONSIDERED SUBSIDIARY TO ITEM 432.

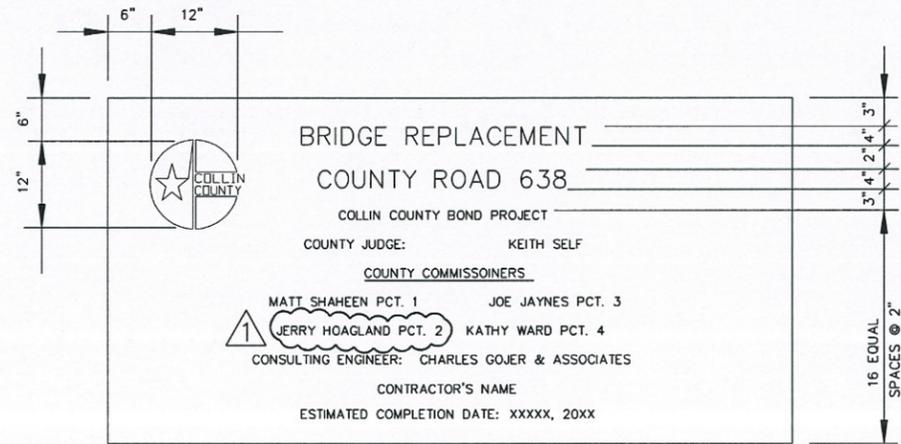
EXISTING CONDITIONS

- 1. SINCE COMPLETION OF SURVEY, EXISTING FIELD CONDITIONS MAY HAVE CHANGED. CONTRACTOR SHALL VERIFY ACCURACY OF SURVEY AND NOTE ANY CHANGE AND REPORT DISCREPANCIES TO THE ENGINEER.

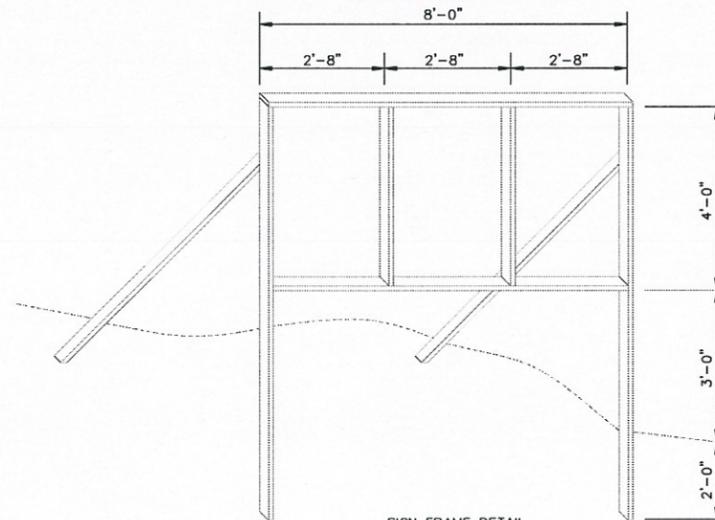
RIPRAP GRADATIONS	
12 INCH THICKNESS OF RIPRAP	
SIEVE MESH SQUARE SIZE	PERCENT PASSING
15 INCH	100
12 INCH	70-100
8 INCH	45-75
6 INCH	30-55
3 INCH	10-30
1-1/2 INCH	0-10

BEDDING GRADATIONS	
6 INCH THICKNESS OF BEDDING	
SIEVE MESH SQUARE SIZE	PERCENT PASSING
3 INCH	100
1- 1/2 INCH	55-100
3/4 INCH	25-60
3/8 INCH	5-30
NO. 4	0-10

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
100	PREPARING AND MAINTAINING OF RIGHT-OF-WAY	STA	8.10
105	REMOVE STABILIZED BASE AND ASPHALT PAVING	SY	2000.00
110	EXCAVATION (RDWY & CHANNEL)	CY	750.00
132	EMBANKMENT(RDWY)(TY B)(CL 3)(DENS CONT)	CY	100.00
164	CELLULOSE MULCH/SEED	AC	1.20
247	FLEX BASE(COMplete IN PLACE)(TY A)(GR 3)(8")	SY	1920.00
340	RE-BASE W/ MC-50	TON	200.00
340	DENSE-GRADED HOT-MIX ASPHALT(METHOD)(TYPE D)(SAC B)(PG64-22)	TON	216.00
400	CEMENT STABILIZED BACKFILL	CY	35.00
416	DRILLED SHAFT FOUNDATIONS (24" SHAFT/60" BELL)	LF	144.00
420	CLASS "C" CONCRETE (ABUTMENTS)	CY	19.00
420	CLASS "S" CONCRETE (APPROACH SLAB)	CY	43.00
422	REINFORCED CONCRETE SLAB	SF	1300.00
425	PRESTRESSED CONCRETE SLAB BEAM (SSB15)	LF	247.41
428	CONCRETE SURFACE TREATMENT (CLASS I)	SY	150.00
450	RAILING (TYPE T223)	LF	124.00
454	SEALED EXPANSION JOINTS (4")	LF	53.00
459	GALVANIZED GABIONS W/ PVC COATING (12" MATTRESS)	SY	608.00
459	GALVANIZED GABIONS W/ PVC COATING (3'x3')	CY	75.00
496	REMOVING OLD STRUCTURES (LARGE)	EACH	2.00
500	MOBILIZATION	LS	1.00
502	BARRICADES, SIGNS, AND TRAFFIC HANDLING	MO	4.00
506	ROCK FILTER DAMS(TYPE 4)	LS	1.00
506	SEDIMENT CONTROL FENCE	LF	1440.00
540	METAL BEAM GUARD FENCE- THRIE BEAM CONNECTION(TIMBER POST)	EACH	4.00
540	METAL BEAM GUARD FENCE(TIMBER POST)	LF	300.00
540	TERMINAL ANCHOR SECTION	EACH	4.00
658	OBJECT MARKERS (TYPE 3)	EACH	4.00



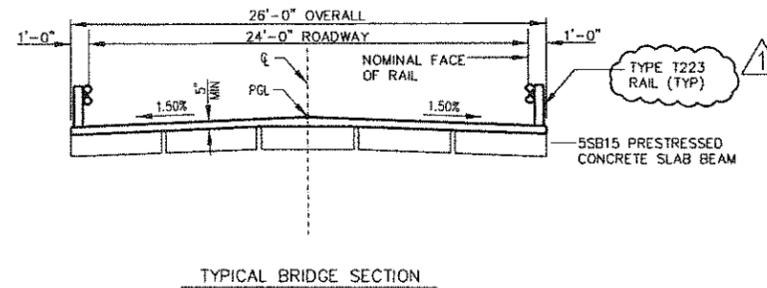
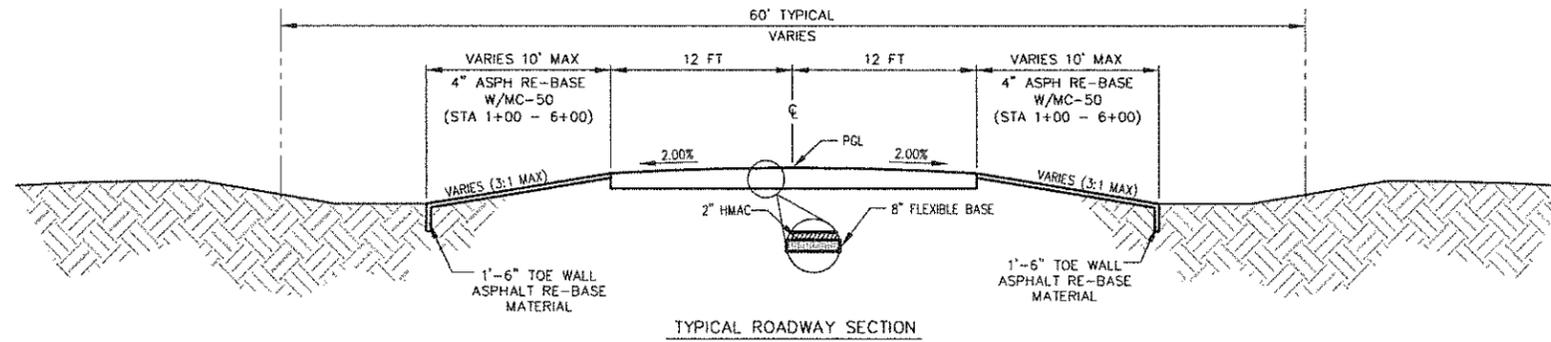
SIGN FRAME DETAIL



- 1. SIGN PANEL TO BE 3/4" EXTERIOR PLYWOOD.
- 2. FRAME TO BE 2" X 4" STOCK.
- 3. FRAME TO BE PAINTED IN BLACK.
- 4. PAINT BACKGROUND OF SIGN WHITE.
- 5. PROJECT NAME SHALL BE IN BLUE LETTERS.
- 6. "CONSULTING ENGINEER: CHARLES GOJER & ASSOCIATES" SHALL BE GOLD.
- 7. COLLIN COUNTY LOGO SHALL BE IN ITS STANDARD COLORS OF BLUE, RED, AND WHITE.
- 8. BALANCE OF MESSAGE SHALL BE IN GLOSSY BLACK.
- 9. ALL PAINT TO BE EXTERIOR BASE PAINT.
- 10. LETTERS AND LOGOS CAN BE EITHER PAINT OR ADHESIVE.
- 11. SIGN PLACEMENT LOCATION TO BE DETERMINED BY COUNTY, TWO SIGNS WILL BE REQUIRED AT EACH SITE.



NO.	REVISION	BY	DATE
COLLIN COUNTY, TEXAS DEPARTMENT OF PUBLIC WORKS BRIDGE BOND PROJECT			
GENERAL NOTES & ESTIMATED QUANTITIES CR 638 @ SABINE CREEK			
Charles Gojer and Associates, Inc. Consulting Engineers 11615 Forest Central Dr. Suite 303 Dallas, Texas 75243 (214) 340-1199 TX REGISTRATION NO. F-697			
DESIGNED: JML/AB	DRAWN: JML	DATE: 08-13-09	FILE: No. 08-175
APPROVED: DDA	CHECKED: DAA	SCALE: SEE PLAN	SHEET 02 OF 12



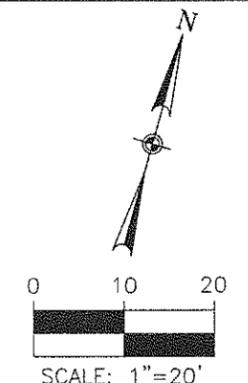
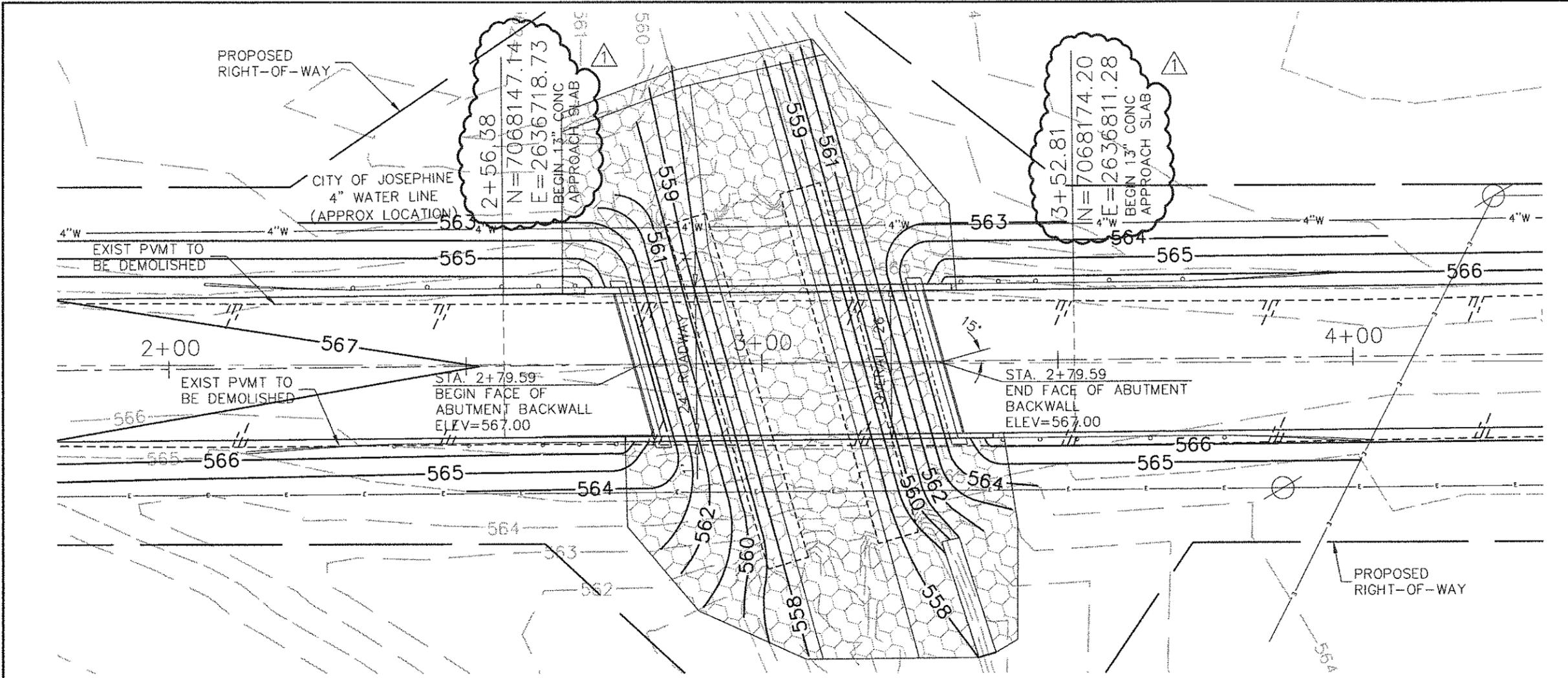
CAUTION

CONTACTS:
 TEXAS ONE CALL SYSTEM: 1-800-245-4545
 DIG TESS: 1-800-344-8377
 LONESTAR NOTIFICATION: 1-800-669-8344
 (Min. 48 hours prior to construction, excluding holidays and weekends.)



NO.	REVISION	BY	DATE
COLLIN COUNTY, TEXAS DEPARTMENT OF PUBLIC WORKS			
BRIDGE BOND PROJECT			
ROADWAY TYPICAL SECTION CR 638 @ SABINE CREEK			
 Charles Gojer and Associates, Inc. Consulting Engineers 11615 Forest Central Dr. Suite 303 Dallas, Texas 75243 (214) 340-1199 TX REGISTRATION NO. F-687			
DESIGNED: JAL/AB	DRAWN: JAL	DATE: 08-13-09	FILE: No. 08-175
APPROVED: GBA	CHECKED: GBA	SCALE: SEE PLAN	SHEET 04 OF 12

ADDENDUM #1 04-09-10

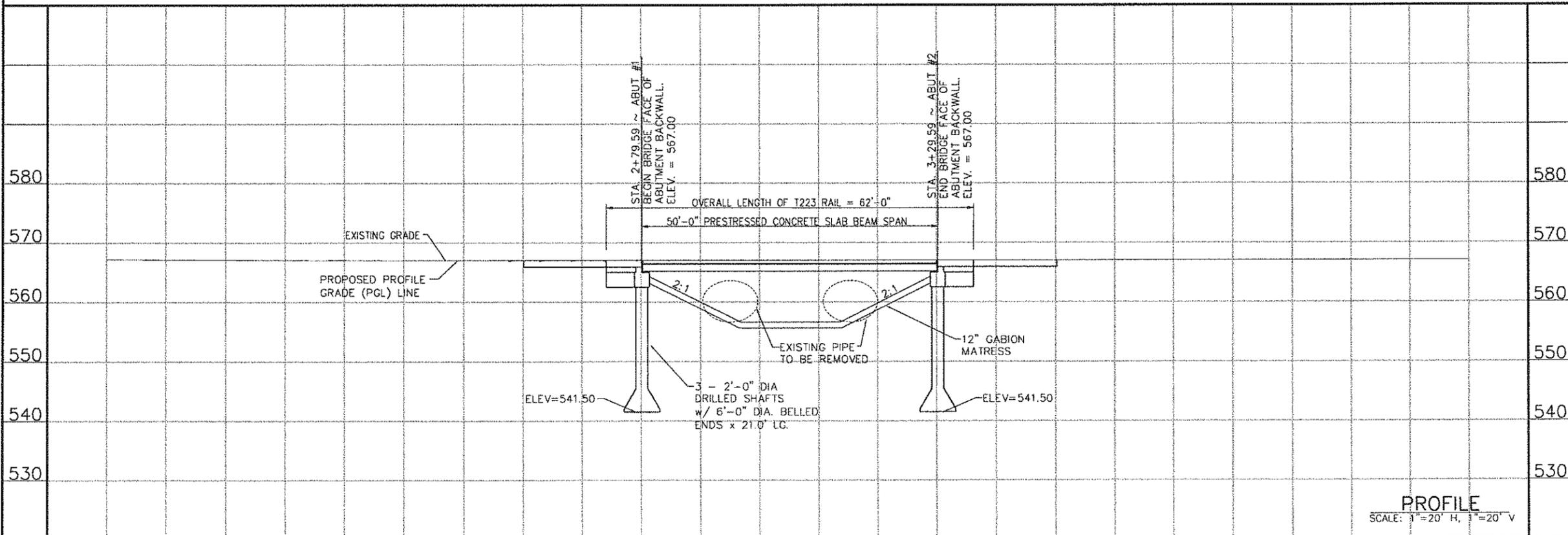
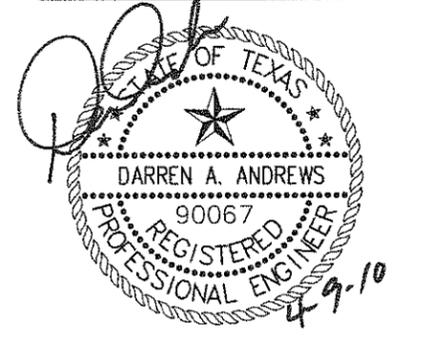


- NOTES:
1. REFER TO PLAN AND PROFILE DRAWING FOR GEOMETRIC DATA.
 2. REFER TO TxDOT STANDARD DRAWINGS FOR TRAFFIC RAIL TYPE T223 AND MBGF-94 RAILING DETAILS

TOP OF DRILLED SHAFT ELEVATION				
ABUT #1	562.48	562.67	562.48	
ABUT #1	562.48	562.67	562.48	

CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND SITE FEATURES. NOTIFY ENGINEER OF ANY DISCREPANCIES ON PLANS.

HYDRAULIC DATA				
EVENT	HW(FT)	Q(CFS)	V(FPS)	
100 YR	546.37	2719	11.61	
50 YR	545.81	2360	11.27	
25 YR	545.22	2005	10.89	



PROFILE
SCALE: 1"=20' H, 1"=20' V

NO.	REVISION	BY	DATE
COLLIN COUNTY, TEXAS DEPARTMENT OF PUBLIC WORKS BRIDGE BOND PROJECT			
BRIDGE LAYOUT CR 638 @ SABINE CREEK			
Charles Gojer and Associates, Inc. Consulting Engineers 11615 Forest Central Dr., Suite 303 Dallas, Texas 75243 (214) 340-1199 TX REGISTRATION NO. F-697			

ADDENDUM #1 04-09-10

DESIGNED: DAA DRAWN: CGA DATE: 03/09/05 FILE: No. 08-174
APPROVED: CGA CHECKED: CGA SCALE: AS SHOWN SHEET 07 OF 12



PRE-CONSTRUCTION SIGN-IN SHEET

Project: IFB 02180-10, Construction, Bridge: CR 638 over Sabine Creek
Meeting Date: April 6, 2010
Facilitator: Matt Dobecka, CPPB Collin County Purchasing
Place/Room: Engineering Conf. Room

Name	Company	Phone	Fax	E-Mail
Charles Gejer	Charles Gejer & Assoc.	214-340-1199	214-348-8053	Cgejer@cgejer.com
Nathan Jones	SMTI	903-450-4677	903-454-4219	jminathan.j@argentech.net
Steve Goodman	North Tx Bridge	9-924-3552	9-924-4213	steve@NTBridge.com
JEFF DEWAN	Collin Co.	972-548-3723	972-548-5555	jdewan@collin.tx.us
MATT DOBECKA	Collin Co.	972-548-4103	972-548-4694	mdobecka@collincountytx.gov
Samson Chan	Alpha Testing Inc	972-620-8944	972-606-8003	schan@alphatesting.com
Jon Henney	JCF Bridge + Concrete	469-231-6596	231-966-5588	j.henney@jcf-bridge.com