

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 6/21/2022

Control	0263-05-024
Project	BR 2B20(044)
Highway	SH 70
County	FISHER

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: BR 2B20(044)

CONTROL: 0263-05-024

COUNTY: FISHER

LETTING: 06/29/2022

REFERENCE NO: 0616

PROPOSAL ADDENDUMS

-
- PROPOSAL COVER
 - BID INSERTS (SH. NO.: 4-7, 5-7, 6-7, 7-7)
 - GENERAL NOTES (SH. NO.: A, H)

 - SPEC LIST (SH. NO.: 1-4, 2-4, 3-4, 4-4)
 - SPECIAL PROVISIONS:)
ADDED:

 - DELETED: 680-006

 - SPECIAL SPECIFICATIONS:
ADDED:

 - DELETED:

 - OTHER:

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

*****BID INSERTS*****
DELETED ITEM 681-6001
ADDED ITEM 510-6003
*****GENERAL NOTES*****
SHEET A REVISED AREA OFFICE INFORMATION
SHEET H REVISED ITEM 510 VERBAGE
*****SPEC LIST*****
DELETED SP 680-006
*****PLAN SHEETS*****
SHEET 6 REVISED AREA OFFICE INFORMATION
SHEET 6C REVISED ITEM 510 VERBAGE
SHEET 7 ADDED ITEM 510-6003
SHEET 7A DELETED ITEM 681-6001
SHEET 8 ADDED ITEM 510-6003 AND DELETED ITEM 681-6001
SHEET 15 REMOVED RUMBLE STRIP REFERANCE
SHEET 16 REMOVED RUMBLE STRIP REFERANCE

Printed Name of Authorized Signer: _____

Signature of Authorized Signer: _____ Date: _____

PROJECT BR 2B20(044)
 COUNTY FISHER

Proposal Sheet
 TxDOT
 FORM 234-B I-61-5M

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	6002		PREPARING ROW DOLLARS and CENTS	STA	12.600	1
	110	6001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	78.000	2
	132	6004		EMBANKMENT (FINAL)(DENS CONT)(TY B) DOLLARS and CENTS	CY	2,180.000	3
	164	6009		BROADCAST SEED (TEMP) (WARM) DOLLARS and CENTS	SY	3,571.000	4
	164	6011		BROADCAST SEED (TEMP) (COOL) DOLLARS and CENTS	SY	3,571.000	5
	164	6013		STRAW/HAY MLCH SEED(PERM)(RURAL)(SANDY) DOLLARS and CENTS	SY	7,142.000	6
	168	6001		VEGETATIVE WATERING DOLLARS and CENTS	MG	11.000	7
	251	6021		REWORK BS MTL (TY A) (6") (ORD COMP) DOLLARS and CENTS	SY	4,439.000	8
	310	6009		PRIME COAT (MC-30) DOLLARS and CENTS	GAL	1,032.000	9
	316	6001	002	ASPH (MULTI OPTION) DOLLARS and CENTS	GAL	2,322.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	316	6175	002	AGGR(TY-B GR-4 SAC-B) DOLLARS and CENTS	CY	37.000	11
	400	6005		CEM STABIL BKFL DOLLARS and CENTS	CY	78.000	12
	403	6001		TEMPORARY SPL SHORING DOLLARS and CENTS	SF	1,606.000	13
	416	6001		DRILL SHAFT (18 IN) DOLLARS and CENTS	LF	200.000	14
	416	6004		DRILL SHAFT (36 IN) DOLLARS and CENTS	LF	880.000	15
	420	6014		CL C CONC (ABUT)(HPC) DOLLARS and CENTS	CY	57.000	16
	420	6030		CL C CONC (CAP)(HPC) DOLLARS and CENTS	CY	41.200	17
	420	6038		CL C CONC (COLUMN)(HPC) DOLLARS and CENTS	CY	30.600	18
	422	6002		REINF CONC SLAB (HPC) DOLLARS and CENTS	SF	10,120.000	19
	422	6016		APPROACH SLAB (HPC) DOLLARS and CENTS	CY	73.800	20
	425	6036		PRESTR CONC GIRDER (TX34) DOLLARS and CENTS	LF	1,311.000	21
	427	6004	003	SILICONE RESIN PAINT FINISH DOLLARS and CENTS	SF	484.000	22

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	432	6026		RIPRAP (STONE COMMON)(DRY)(18 IN) DOLLARS and CENTS	CY	2,006.000	23
	432	6045		RIPRAP (MOW STRIP)(4 IN) DOLLARS and CENTS	CY	60.000	24
	450	6007	001	RAIL (TY T223)(HPC) DOLLARS and CENTS	LF	492.000	25
	454	6018		SEALED EXPANSION JOINT (4 IN) (SEJ - M) DOLLARS and CENTS	LF	92.000	26
	496	6010		REMOV STR (BRIDGE 100 - 499 FT LENGTH) DOLLARS and CENTS	EA	1.000	27
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	28
	502	6001	008	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	10.000	29
	506	6003	005	ROCK FILTER DAMS (INSTALL) (TY 3) DOLLARS and CENTS	LF	60.000	30
	506	6011	005	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	60.000	31
	506	6020	005	CONSTRUCTION EXITS (INSTALL) (TY 1) DOLLARS and CENTS	SY	536.000	32
	506	6024	005	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	536.000	33
	506	6038	005	TEMP SEDMT CONT FENCE (INSTALL) DOLLARS and CENTS	LF	1,022.000	34

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	506	6039	005	TEMP SEDMT CONT FENCE (REMOVE) DOLLARS and CENTS	LF	1,022.000	35
	506	6042	005	BIODEG EROSN CONT LOGS (INSTL) (18") DOLLARS and CENTS	LF	30.000	36
	506	6043	005	BIODEG EROSN CONT LOGS (REMOVE) DOLLARS and CENTS	LF	30.000	37
	510	6003		ONE-WAY TRAF CONT (PORT TRAF SIG) DOLLARS and CENTS	MO	10.000	38
	512	6094		PTB (FUR & INST)(STEEL) DOLLARS and CENTS	LF	1,715.000	39
	512	6095		PTB (MOVE)(STEEL) DOLLARS and CENTS	LF	1,035.000	40
	512	6096		PTB (REMOVE)(STEEL) DOLLARS and CENTS	LF	1,715.000	41
	530	6005		DRIVEWAYS (ACP) DOLLARS and CENTS	SY	77.000	42
	533	6001		RUMBLE STRIPS (SHOULDER) DOLLARS and CENTS	LF	1,804.000	43
	533	6002		RUMBLE STRIPS (CENTERLINE) DOLLARS and CENTS	LF	902.000	44
	540	6001	001	MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	875.000	45
	540	6006	001	MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	4.000	46

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	542	6001		REMOVE METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	300.000	47
	542	6002		REMOVE TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	1.000	48
	544	6001		GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS	EA	4.000	49
	544	6003		GUARDRAIL END TREATMENT (REMOVE) DOLLARS and CENTS	EA	3.000	50
	545	6003		CRASH CUSH ATTEN (MOVE & RESET) DOLLARS and CENTS	EA	2.000	51
	545	6005		CRASH CUSH ATTEN (REMOVE) DOLLARS and CENTS	EA	4.000	52
	545	6019		CRASH CUSH ATTEN (INSTL)(S)(N)(TL3) DOLLARS and CENTS	EA	4.000	53
	644	6061		IN SM RD SN SUP&AM TYTWT(1)WS(T) DOLLARS and CENTS	EA	2.000	54
	644	6076		REMOVE SM RD SN SUP&AM DOLLARS and CENTS	EA	1.000	55
	658	6027		INSTL DEL ASSM (D-SY)SZ (BRF)CTB (BI) DOLLARS and CENTS	EA	8.000	56
	658	6062		INSTL DEL ASSM (D-SW)SZ 1(BRF)GF2(BI) DOLLARS and CENTS	EA	22.000	57
	662	6050		WK ZN PAV MRK REMOV (REFL) TY II-A-A DOLLARS and CENTS	EA	105.000	58

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	6170	007	REFL PAV MRK TY II (W) 4" (SLD) DOLLARS and CENTS	LF	5,957.000	59
	666	6205	007	REFL PAV MRK TY II (Y) 4" (BRK) DOLLARS and CENTS	LF	55.000	60
	666	6207	007	REFL PAV MRK TY II (Y) 4" (SLD) DOLLARS and CENTS	LF	8,400.000	61
	666	6303	007	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	14,204.000	62
	666	6312	007	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL) DOLLARS and CENTS	LF	1,420.000	63
	666	6315	007	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	1,550.000	64
	668	6018		PREFAB PAV MRK TY B (W)(24")(SLD) DOLLARS and CENTS	LF	24.000	65
	672	6009		REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	96.000	66
	677	6001		ELIM EXT PAV MRK & MRKS (4") DOLLARS and CENTS	LF	18,158.000	67
	3077	6003		SP MIXES SP-B SAC-B PG64-22 DOLLARS and CENTS	TON	2,148.000	68
	3077	6053		SP MIXES SP-D SAC-B PG70-22 DOLLARS and CENTS	TON	606.000	69
	3077	6075		TACK COAT DOLLARS and CENTS	GAL	505.000	70

PROJECT BR 2B20(044)
 COUNTY FISHER

Proposal Sheet
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ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	6001	6002		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	EA	2.000	71
	6185	6005	002	TMA (MOBILE OPERATION) DOLLARS and CENTS	DAY	28.000	72

Project Number: See Title Sheet

Control: 0263-05-024

County: Fisher

Highway: SH 70

ABILENE DISTRICT GENERAL NOTES 2014 SPECIFICATIONS

General

Contractor questions on this project are to be addressed to the following individual(s):

Stewart Chapman, P.E.: Stewart.Chapman@txdot.gov

Maxie Allen, P.E.: Maxie.Allen@txdot.gov

(Snyder Area Office)

Contractor questions will be accepted through email, phone, and in person by the above individuals.

All contractor questions will be reviewed by the Engineer. Once a response is developed, it will be posted to TxDOT's Public FTP at the following Address:

<https://ftp.dot.state.tx.us/pub/txdot-info/Pre-Letting%20Responses/>

All questions submitted that generate a response will be posted through this site.

The site is organized by:

District

Project Type (Construction or Maintenance)

Letting Date

CCSJ/Project Name.

Failure to make necessary corrections to SW3P based on SW3P inspections will be cause for withholding the monthly estimate until such corrections have been made.

Failure to make necessary corrections to traffic control items based on barricade inspections will be cause for withholding the monthly estimate until such corrections have been made.

Provide ingress/egress to the adjacent properties in areas under construction. Phased construction of driveways and streets shall be required to provide uninterrupted access to adjacent properties. Coordinate work with the property owners before beginning any construction in the vicinity of the drive.

Cut neat, straight lines with vertical faces along pavement edges or along joints between existing asphalt or concrete pavement and new pavement perpendicular or parallel to the direction of traffic by methods described in applicable bid items, or as directed. Provide clean edges or joints without jagged appearance or chunks broken out. This work is considered subsidiary to various bid items.

Environmental

Project Number: See Title Sheet

Control: 0263-05-024

County: Fisher

Highway: SH 70

Endangered and Protected Species

1. Migratory Birds

- a. **Bird nesting season is typically 15Feb through 15Sep annually.**
- b. The Contractor will avoid disturbing, destroying, removing, or relocating migratory birds and active nests found in trees, culverts, bridges, on the ground, or anywhere they are encountered.
- c. Perform all tree trimming and other vegetation clearing activities during the non-breeding season (typically 15Sep-15Feb annually). Perform any inactive nest removal and bird exclusion methods to prevent birds from establishing nests. Phasing of work during construction may be necessary to stay in compliance.
- d. When active nests are unexpectedly encountered on-site during construction, the Contractor will stop work and immediately notify the Engineer. Take measures to avoid disturbance of these birds, their occupied nest, eggs, and/or young, in accordance with the Migratory Bird Treaty Act, Texas Parks and Wildlife Code, and TxDOT policy.
- e. The Engineer will notify the Contractor when work may resume.
- f. The Contractor should be prepared to prevent migratory birds from building nests by utilizing nest prevention methods, such as bird-deterrent netting and bird-repelling sprays and/or gels, between 15Feb and 15Sep. The Contractor can discuss other preventative measures with the Engineer and/or District Environmental Staff.

Best Management Practices

1. Bird BMPs

- a. Not disturbing, destroying, or removing active nests, including ground nesting birds, during the nesting season.
- b. Avoiding the removal of unoccupied, inactive nests, as practicable.
- c. Preventing the establishment of active nests during the nesting season on TxDOT owned and operated facilities and structures proposed for replacement or repair.
- d. Not collecting, capturing, relocating, or transporting birds, eggs, young, or active nests without a permit.

Item 5, “Control of Work”

Use Method C for construction surveying.

All known utilities are identified in the plans, including the crossing of power lines. Use this information to identify potential issues with power poles and power lines prior to bidding. Make necessary arrangements with utility owners regarding temporary protections such as bracing power poles, and de-energizing power lines. The Department will not reimburse the cost of such temporary protections to the Contractor, unless the Engineer determines that inadequate information was available at the time the project was bid. **“Call Before You Dig” “Call 811”**

Project Number: See Title Sheet

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County: Fisher

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Provide notification to the District Traffic Engineering Section by telephone at 325-676-6991 and by email at ABL_TrafficFix@txdot.gov when planning drilling or excavation work in areas where existing TxDOT underground utilities exist. Visual evidence of TxDOT underground utilities in the area include illumination poles, ground boxes, flashing beacons, traffic signals, etc. This notification must be provided 72 hours in advance of performing the work.

Drilled shaft locations or excavation areas must be staked prior to the notification so that the underground utilities can be located in relationship to the proposed work. Preserve and document the marked utility locations to prevent unnecessary secondary notifications. Notify the Engineer of conflicts between proposed work and underground utilities.

When a precast or cast-in-place concrete element is included in the plans, a precast concrete alternate may be submitted in accordance with “Standard Operating Procedure for Alternate Precast Proposal Submission” found online at <https://www.txdot.gov/inside-txdot/forms-publications/consultants-contractors/publications/bridge.html#design>.

Acceptance or denial of an alternate is at the sole discretion of the Engineer. Impacts to the project schedule and any additional costs resulting from the use of alternates are the sole responsibility of the Contractor.

Item 7, “Legal Relations and Responsibilities”

The total area disturbed for this project is 2.61 acres. The disturbed area in this project, all project locations in the Contract, and the Contractor project specific locations (PSLs), within 1 mile of the project limits, for the Contract will further establish the authorization requirements for storm water discharges. The Department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans. The Contractor is to obtain required authorization from the TCEQ for Contractor PSLs for construction support activities on or off the ROW. When the total area disturbed in the Contract and PSLs within 1 mile of the project limits exceeds 5 acres, provide a copy of the Contractor NOI for PSLs on the ROW to the Engineer and to the government that operates a separate storm sewer system.

Provide one SW3P Notification Board for this project. Notification Boards are to be placed at locations within the right-of-way but outside the clear zone as directed by the Engineer. Consider this work to be subsidiary to the various bid items of the contract.

No significant traffic generator events identified.

Hard hats are required at all times during construction when construction personnel are in TxDOT Right-of-Way.

Item 8 “Prosecution and Progress”

Each contract awarded by the Department stands on its own and as such, is separate from other contracts. A Contractor awarded multiple contracts must be capable and sufficiently staffed to concurrently process and/or execute all contracts at the same time.

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Highway: SH 70

Maintain and submit a project schedule monthly. Submit to the Engineer the updated project schedule no later than the 25th calendar day of the following month.

Coordinate and update the work schedule with the project inspector daily. Give a minimum of 24 hours of notice to project inspector if work requiring inspection or testing is to be performed. Failure to do so may cause that work to be delayed or postponed if TxDOT personnel are not available. Work performed without suitable inspection, as determined by the Engineer, may be ordered removed and replaced at Contractor's expense.

The Additional Project Specific Liquidated Damages are \$612 per day.

Item 9, "Measurement and Payment"

The progress payment period shall end on the 25th of each month, unless directed by the Area Office Engineer. Material on Hand (MOH) is due two business days before estimate cut off.

Item 100, "Preparing Right of Way"

The Contractor's attention is directed to potential regulations against burning within the project limits. Abide by all local ordinances and county imposed burn bans. When burning is prohibited, dispose of material in accordance with regulations set forth by other regulatory agencies including the Texas Commission for Environmental Quality. The cost of burning or disposal of any product is subsidiary to various bid items.

All trees and brush removed each day will be disposed of within the same day of removal unless otherwise approved. If removed vegetation is burned, ashes from burned vegetation will not be placed or allowed to be transported by storm water into any stream. Burn locations, if approved, will be no closer than 300 feet from a stream. Earth berms must be used around burn areas to keep ash in place.

The limits of preparing right of way will be measured at the following locations:

- SH 70 From Sta. 537+75.00 to Sta. 550+27.00 along the centerline of construction.

The removal of trees and vegetation will be subsidiary to Item 100, "Preparing Right Of Way". Contractor will preserve all trees designated for preservation by whatever means necessary.

The removal of any existing fence will not be paid for directly, but will be considered subsidiary to the bid Item 100, "Preparing Right Of Way".

Prior to starting bridge removals, the Contractor will remove all driftwood and all public trash and dumped materials within the stream channel and property boundaries, with all work and disposal being subsidiary to Item 100, "Preparing Right Of Way" and /or Item 496 "Removing Structures".

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Highway: SH 70

Item 164, “Seeding for Erosion Control”

Quantities shown are approximate; limits of the temporary and permanent seeding will be determined during construction.

Temporary seeding will be required in several small areas as work progresses to comply with the storm water pollution prevention plan and may require multiple mobilizations of seeding crew.

Item 168, “Vegetative Watering”

Water rate for this project shall be ¼” of water per acre every two weeks for a 3-month period.

Item 204, “Sprinkling for Dust Control”

Sprinkle for dust control as directed. Payment for this item will be subsidiary to the various bid items.

Item 316, “Surface Treatments”

When cutback asphalt is used, delay the second surface treatment course or ACP overlay 14 days or as directed by the Engineer.

When cool season emulsion asphalt is used, delay the second surface treatment course or ACP overlay 7 days.

Seal driveways, mailbox turnouts, and intersections prior to sealing the roadway, unless otherwise approved.

Provide pre-coat aggregate with **PG 64-22** or as approved by the Engineer.

Cover or protect any sealed expansion joints or rail on bridges and any railroad tracks encountered on this project, as directed by the Engineer. Clean any of these items not properly protected. This work will not be paid for directly but will be considered subsidiary to Item 316.

For items of work that include both summer and winter materials or the Asphalt (Multi Option), the Engineer will determine which asphalt to apply based on timing and prevailing weather conditions. The Asphalt (Multi Option) shall consist of the following choices and rates.

Estimated Summer Rates with Grade 4 Aggr.

ASPH (AC-20-5TR) @ .36 GAL/SY

Estimated Winter Rates with Grade 4 Aggr.

ASPH (CRS-2P) @ .40 GAL/SY *

AGGREGATES

AGGR (TY-PB GR-4 SAC -B) – 1 CY/140 SY

The rates shown are for estimating purposes and the engineer can dictate higher or lower rates based on roadway conditions.

Project Number: See Title Sheet

Control: 0263-05-024

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Highway: SH 70

Item 416, “Drilled Shaft Foundations”

All soil, water, and slurry removed from drilled shafts shall be captured and disposed of properly. No discharge of these materials into, or in close proximity to, the surrounding water will be allowed.

Item 420, “Concrete Substructures”

In addition to the elements shown in table 1, the following elements are Plans Quantity Elements.

- Bent Concrete

Item 420, 427, “Concrete Substructures” & “Surface Finishes for Concrete”

Provide a Surface Area 1 finish using an Adhesive Grout Coating or Rub Finish as directed.

Item 421, “Hydraulic Cement Concrete”

Use a cement meeting the requirements of Ty II when Mix Design Option 7 is selected for cast in place concrete.

Class C fly ash and Type I cement will not be allowed for any mix unless approved by the Engineer.

As a minimum, curing facility includes concrete curing tank, heater and a concrete recording thermometer. Provide a recorder with the capability to chart temperatures for 24 hours, 7 days and 30 day periods of time.

Air Entrainment requirements are waived with exception to bridge deck concrete, and rails, top slabs of direct traffic culverts and approach slabs. Air Entrainment is required for all slip formed concrete (bridge rail, concrete traffic barrier, pavement, etc.).

Item 432, “Riprap”

Provide structural fiber reinforced or conventionally reinforced concrete for formed M.B.G.F. concrete mow strip.

Meet the following requirements when using structural fiber reinforcement:

- If slip forming, use an approved method that ensures adequate concrete consolidation. Sprinkle and consolidate the subgrade before the concrete is placed. Finish the surface with a wood float or broom finish as approved. Immediately after finishing operation, cure the riprap according to Item 420, “Concrete Structures”.

Item 440, “Reinforcement for Concrete”

Provide epoxy coated reinforcement for all reinforcement in abutment caps, wingwalls, and backwalls (drilled shaft reinforcement excluded); interior bent caps (column and drilled shaft reinforcement excluded); cast-in-place portions of bridge deck (PCP reinforcement and bridge girder reinforcement excluded); bridge railing; and approach slab.

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Item 502, “Barricades, Signs and Traffic Handling”

Provide the Engineer with written notification seven (7) days in advance of major traffic changes. A major traffic change is defined as the temporary (greater than one day) or permanent relocation of traffic lanes typically in an urban setting. The notice will, at a minimum, include the expected date, time and scope of the traffic change. The Department will utilize the information provided to inform the traveling public of the changes. Failure to provide advance notice, or to provide accurate information, will result in delaying the work until such time that the public has been notified.

Additional signs, barricades and traffic handling may be necessary to complete the work shown herein and will be provided by the contractor as required and will be considered subsidiary to this item.

Provide separate attenuators for each work area within a common lane closure as approved or directed by the Engineer.

In sections where traffic is restricted to one lane, two-way traffic, flaggers will be stationed at each end of that section with two-way communication devices and a pilot car will control operations.

Pilot car is subsidiary to item 502.

Relocate existing roadside signs to temporary supports as approved by the engineer.

All safety appurtenances such as signs, delineators, object markers and route markers will be in place prior to opening each phase of the construction to traffic, unless otherwise directed.

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.

The Contractor's person responsible for TCP compliance must be available by local telephone and have a response time within 45 minutes.

Work will not be allowed on both sides of the roadbed at the same time.

Equip all work vehicles within 30 feet of the traveled way with a functioning amber strobe light or rotating beacon visible from all directions.

Repair barricades within the timeline shown on the barricade inspection report. Failure to comply will cease all work until barricades are repaired to the satisfaction of the Department.

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Replace all damaged traffic control devices immediately. Remove any damaged traffic control devices from the project within 24 hours.

Conflicting guide signs shall be covered as approved by the Engineer.

Item 504, “Field Office for Laboratory”

Field Laboratory:

Furnish a “Type D” structure for the asphalt mix control laboratory for the Engineer’s exclusive use. In addition to the requirements of Item 504, furniture and equipment to be furnished by the Contractor shall include:

- eye wash station
- first-aid kit
- two fire extinguishers
- Provide internet connectivity for use by TxDOT lab testing personnel at all laboratory structures on this project.

Item 506, “Temporary Erosion, Sedimentation, and Environmental Controls”

On site concrete washout shall not be allowed on this project.

Item 510, “One-way Traffic Control”

The contractor shall use ADDCO PTS-2000 or equivalent, capable of showing wait time, as portable traffic signals. 2 portable traffic signals will be required for this project.

Item 512, “Portable Concrete Traffic Barrier

The use of steel PTB is required on this project due to weight restrictions from a partial demolition of the existing bridge.

Item 530, “Intersections, Driveways, and Turnouts”

Excavation and embankment necessary to construct the intersections and driveways according to the details shown elsewhere shall be considered subsidiary to this item.

Item 533, “Milled Rumble Strips”

The milled rumble strips should be placed on shoulder according to rs(1-4)-13 standards and the shoulder widths as shown below.

- Shoulder width of 2 feet or less the rumble strip will begin on the edge line as shown in the standards.
- Shoulder width of greater than 2 feet or less than 6 feet the rumble strip will be centered on the shoulder.
- Shoulder width of greater than 6 feet the rumble strip will begin 2 feet from the edge line.
- Or as directed by the engineer

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County: Fisher

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Item 540, “Metal Beam Guard Fence”

Steel posts for metal beam guard fence may be field cut to proper rail height with a power saw when approved by the engineer.

Item 644, “Small Roadside Sign Supports and Assemblies”

Use the latest edition of the “Standard Highway Sign Designs for Texas” for Sign types for which design details are not shown on the plans.

Sign placement shall be in accordance with the latest edition of the TMUTCD & TxDOT’s Sign Crew Field Book located at the following addresses.

TMUTCD - <https://www.txdot.gov/business/resources/signage/tmutcd.html>

TxDOT’s Sign Crew Field Book - <http://onlinemanuals.txdot.gov/txdotmanuals/sfb/index.htm>

Before final sign installation, stake all sign locations for approval by the engineer.

All triangle slip base small sign mounts installed under this item shall utilize clamp type bases.

Remove entire small sign foundation.

Item 658, “Delineator and Object Marker Assemblies”

Delineators and object marker assemblies will use winged channel posts. The winged channel posts will be 1.12 lb/ft and 6.5 ft in length.

All MBGF delineation shall be GF2 mounted on posts.

Use a minimum 2 inch long lag screws with washers to attach flexible GF2 barrier reflectors to wooden post. For steel posts, use an approved adhesive, or other method approved by Engineer.

Concrete Barrier Reflectors shall be equivalent to Shure-tite CTB “Cup Mount” Delineator (8”). Attach delineators to concrete rail with concrete anchors as approved by the Engineer.

Item 662, “Work Zone Pavement Markings”

Place work zone pavement markings (flexible tabs) prior to the seal coat operation.

Dispose of tabs and paper in an approved trash receptacle. (Reference Standard **SW3P**, waste material)

Use traffic paint for non-removable work zone pavement markings.

Item 666, “Retro reflectorized Pavement Markings”

Provide a complete system of thermoplastic pavement markings at locations indicated on the plans and as directed by the engineer. The plans are intended to show typical conditions, which can be extended to similar conditions throughout this project as approved or directed.

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All longitudinal pavement markings (including profile pavement markings) must meet minimum retro reflectivity requirements.

Establish a true and correct alignment with a method approved by the Engineer. This work will be considered subsidiary.

Contractor is responsible for re-establishing location and alignment for new pavement markings matching pavement marking alignment prior to construction activities. This work will be considered subsidiary.

Item 672, “Raised Pavement Markers”

Provide a complete system of raised pavement markers at locations indicated on the plans and as directed by the engineer. The plans are intended to show typical conditions, which can be extended to similar conditions throughout this project as approved or directed.

Bituminous adhesive shall be used on this project.

Item 677, “Eliminating Existing Pavement Markings and Markers”

Remove the existing raised pavement markings (RPMs) and profile pavement markings as the work progresses, or as directed by the Engineer. Removal methods shall be approved by the Engineer. Properly dispose of materials removed. Removal of existing profile pavement markings will be paid for directly. Removal of RPMs will not be paid for directly but will be subsidiary to the pertinent bid items.

Item 3077, “Superpave Mixtures”

Furnish aggregate for final surfaces with a minimum surface aggregate classification of “B”.

Provide an SP-D Fine Mixture with a minimum design VMA of 17.0% and a minimum plant-produced VMA of 16.5%.

The Engineer reserves the right to test all sources even if the source is listed in the Bituminous Source Rated Quality Catalog.

Provide the testing lab samples to calibrate the ignition oven no later than five (5) working days prior to mix design verification.

Meet the minimum Hamburg Wheel Test requirements shown below:

- PG 70 – 10,000 passes
- PG 76 – 20,000 passes

Paving operations will not be allowed to begin until TxDOT has tested and obtained passing Hamburg results on the trial batch.

A maximum of 0.50% anti-stripping agent will be allowed for each specified mix type.

Project Number: See Title Sheet

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Highway: SH 70

Dilution of tack coat is not allowed.

Do not exceed a laydown width of 16' per pass.

Substitute Binders will not be allowed unless RAP or RAS is used in the production of the mixture.

RAS will not be allowed in surface mixes.

A warm mix additive will be required for hotmix hauls over 50 miles.

Unless otherwise directed by the engineer, a warm mix additive will be required when paving during November 1st through March 15th.

The maximum allowable dust / asphalt ratio that will be allowed is 0.6 to 1.2.

The use of a tapered longitudinal joint will be required for pavement thicker than 2 inches.

Use a self-propelled, wheel-mounted material transfer vehicle (MTV) capable of receiving hot mix from the haul trucks separate from the paver on this project. Minimum requirements for the MTV are a storage capacity of approximately 25 tons, a pivoting discharge conveyor, and a means of completely remixing the ACP prior to placement.

Provide PG 64-22 tack coat at a rate of 0.10 gal/sy.

The Contractor will be required to tack 100% of the surfaces with uniform coverage prior to the subsequent lift. The type and grade of tack will be approved by the Engineer prior to use.

Tack all vertical joints unless otherwise directed.

Cement and kiln dust will not be allowed to be used as mineral fillers.

Shoulders shall not be placed prior to adjoining main lanes.

Final surface of driveway shall not be placed prior to adjoining surface.

Item 6001, "Portable Changeable Message Sign"

This project will require "full matrix" type portable changeable message signs.

Ensure that the Contractor's Responsible Person for traffic control can revise messages within thirty (30) minutes of notification.

Furnish 2 portable changeable message signs. The portable changeable message sign(s) will be used for all lane closures and freeway closures as shown on the traffic control plan standard sheets.

Project Number: See Title Sheet

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County: Fisher

Highway: SH 70

Supply portable changeable message sign(s) in accordance with the Traffic Control Plan standard sheets and Article 6f.55 of the Texas Manual on Uniform Traffic Control Devices for Streets and Highways Part VI.

Item 6185, “Truck Mounted Attenuator (TMA) and Trailer Attenuator (TA)”

Truck Mounted Attenuator (TMA) and Trailer Attenuator (TA) will not be considered a major item of work on this project.

TMA,s will only be paid while workers are present or to protect a blunt object.

BASIS OF ESTIMATE FOR STATIONARY TMAs				
Basis of Estimate for Mobile TMAs				
		TMA (Mobile)		
Phase	Standard	Required	Additional	TOTAL
1	TCP (3-1)-13	2		2
1	TCP (3-3)-14	2		2
1	TCP (2-8)-18 (Set up)		2	2
2	TCP (2-8)-18 (Relocate)		2	2
Final	TCP (2-8)-18 (Remove)		2	2
Final	TCP (3-1)-13	2		2
Final	TCP (3-3)-14	2		2

The contractor will be responsible for determining if one or more of these operations will be ongoing at the same time to determine the total number of TMAs needed for the project. The Contractor must get approval from the Engineer for any changes in the number of TMA as shown in the plans.

If a TMA is used for both mobile and stationary traffic control on the same day, it will be paid for as stationary for that day.

CONTROL : 0263-05-024
PROJECT : BR 2B20(044)
HIGHWAY : SH 70
COUNTY : FISHER

TEXAS DEPARTMENT OF TRANSPORTATION

GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF
----- TRANSPORTATION NOVEMBER 1, 2014.
STANDARD SPECIFICATIONS ARE INCORPORATED
INTO THE CONTRACT BY REFERENCE.

ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS
ITEM 100 PREPARING RIGHT OF WAY (103)
ITEM 110 EXCAVATION (132)
ITEM 132 EMBANKMENT (100)(160)(204)(210)(216)(260)(400)
ITEM 164 SEEDING FOR EROSION CONTROL (166)(168)
ITEM 168 VEGETATIVE WATERING
ITEM 251 REWORKING BASE COURSES (204)(210)(216)(247)(520)
ITEM 310 PRIME COAT (300)(316)(3096)
ITEM 316 SEAL COAT (210)(300)(302)(3096)
ITEM 400 EXCAVATION AND BACKFILL FOR STRUCTURES (110)(132)(401)
(402)(403)(416)(420)(421)(423)
ITEM 403 TEMPORARY SPECIAL SHORING (410)(411)(423)
ITEM 416 DRILLED SHAFT FOUNDATIONS (405)(420)(421)(423)(440)(448)
ITEM 420 CONCRETE SUBSTRUCTURES (400)(404)(421)(422)(426)(427)
(440)(441)(448)
ITEM 422 CONCRETE SUPERSTRUCTURES (420)(421)(424)(438)(440)(448)
(454)(780)
ITEM 425 PRECAST PRESTRESSED CONCRETE STRUCTURAL MEMBERS (409)
(420)(421)(424)(427)(434)(440)(442)(445)
ITEM 427 SURFACE FINISHES FOR CONCRETE (420)
ITEM 432 RIPRAP (247)(420)(421)(431)(440)
ITEM 450 RAILING (420)(421)(422)(424)(440)(441)(442)(445)(446)
(448)(540)
ITEM 454 BRIDGE EXPANSION JOINTS (429)(442)(785)
ITEM 496 REMOVING STRUCTURES
ITEM 500 MOBILIZATION
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING
ITEM 504 FIELD OFFICE AND LABORATORY
ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL
CONTROLS (161)(432)(556)

ITEM 510 ONE-WAY TRAFFIC CONTROL (502)
 ITEM 512 PORTABLE TRAFFIC BARRIER (420) (421) (424) (440) (442)
 ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS (247) (316) (3077)
 ITEM 533 MILLED RUMBLE STRIPS
 ITEM 540 METAL BEAM GUARD FENCE (421) (441) (445) (529)
 ITEM 542 REMOVING METAL BEAM GUARD FENCE
 ITEM 544 GUARDRAIL END TREATMENTS
 ITEM 545 CRASH CUSHION ATTENUATORS (421)
 ITEM 644 SMALL ROADSIDE SIGN ASSEMBLIES (421) (440) (441) (442) (445)
 (636) (643) (656)
 ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)
 ITEM 662 WORK ZONE PAVEMENT MARKINGS (666) (668) (672) (677)
 ITEM 666 RETROREFLECTORIZED PAVEMENT MARKINGS (316) (502) (662) (677)
 (678) (6438)
 ITEM 668 PREFABRICATED PAVEMENT MARKINGS (678)
 ITEM 672 RAISED PAVEMENT MARKERS (677) (678)
 ITEM 677 ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS (300)
 (302) (316) (3096)

SPECIAL PROVISIONS: SPECIAL PROVISIONS WILL GOVERN AND TAKE
 ----- PRECEDENCE OVER THE SPECIFICATIONS ENUMERATED
 HEREON WHEREVER IN CONFLICT THEREWITH.

REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS
 (FORM FHWA 1273, MAY, 2012)

WAGE RATES

SPECIAL PROVISION "NONDISCRIMINATION" (000---002)
 SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT"
 (000---003)
 SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO
 ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE
 ORDER 11246" (000---004)
 SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
 CONSTRUCTION CONTRACT SPECIFICATIONS" (000---005)
 SPECIAL PROVISION "ONTHEJOB TRAINING PROGRAM" (000---006)
 SPECIAL PROVISION "CERTIFICATE OF INTERESTED PARTIES (FORM 1295)"
 (000--1019)
 SPECIAL PROVISION "CARGO PREFERENCE ACT REQUIREMENTS IN FEDERAL AID
 CONTRACTS" (000---241)
 SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL AID
 CONTRACTS" (000---394)
 SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000---658)
 SPECIAL PROVISION "NOTICE OF CONTRACTOR PERFORMANCE EVALUATIONS"
 (000---659)
 SPECIAL PROVISIONS TO ITEM 2 (002---009) (002---011) (002---013)
 SPECIAL PROVISIONS TO ITEM 3 (003---011) (003---013)
 SPECIAL PROVISIONS TO ITEM 5 (005---002) (005---003)
 SPECIAL PROVISIONS TO ITEM 6 (006---001) (006---012)
 SPECIAL PROVISIONS TO ITEM 7 (007---004) (007---008) (007---010)
 (007---011)
 SPECIAL PROVISIONS TO ITEM 8 (008---030) (008---033)
 SPECIAL PROVISIONS TO ITEM 9 (009---010) (009---011)

SPECIAL PROVISION TO ITEM 247 (247---003)
 SPECIAL PROVISION TO ITEM 300 (300---020)
 SPECIAL PROVISION TO ITEM 302 (302---003)
 SPECIAL PROVISION TO ITEM 316 (316---002)
 SPECIAL PROVISION TO ITEM 342 (342---005)
 SPECIAL PROVISION TO ITEM 344 (344---005)
 SPECIAL PROVISION TO ITEM 347 (347---003)
 SPECIAL PROVISION TO ITEM 348 (348---004)
 SPECIAL PROVISION TO ITEM 421 (421---010)
 SPECIAL PROVISION TO ITEM 426 (426---005)
 SPECIAL PROVISION TO ITEM 427 (427---003)
 SPECIAL PROVISION TO ITEM 440 (440---004)
 SPECIAL PROVISION TO ITEM 441 (441---004)
 SPECIAL PROVISION TO ITEM 442 (442---001)
 SPECIAL PROVISION TO ITEM 446 (446---005)
 SPECIAL PROVISION TO ITEM 448 (448---001)
 SPECIAL PROVISION TO ITEM 450 (450---001)
 SPECIAL PROVISION TO ITEM 502 (502---008)
 SPECIAL PROVISION TO ITEM 506 (506---005)
 SPECIAL PROVISION TO ITEM 520 (520---002)
 SPECIAL PROVISION TO ITEM 540 (540---001)
 SPECIAL PROVISION TO ITEM 636 (636---001)
 SPECIAL PROVISION TO ITEM 643 (643---001)
 SPECIAL PROVISION TO ITEM 656 (656---001)
 SPECIAL PROVISION TO ITEM 666 (666---007)
 SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 6185 (6185--002)

SPECIAL SPECIFICATIONS:

ITEM 3077 SUPERPAVE MIXTURES (300) (301) (316) (320) (342) (344) (347)
 (348) (520) (585) (3079) (3081) (3082) (3096)
 ITEM 3079 PERMEABLE FRICTION COURSE (PFC) (300) (301) (320) (342) (520)
 (585) (3096)
 ITEM 3081 THIN OVERLAY MIXTURES (TOM) (300) (301) (320) (347) (520)
 (585) (3096)
 ITEM 3082 THIN BONDED FRICTION COURSES (210) (300) (301) (320) (342)
 (348) (520) (585) (3079) (3096)
 ITEM 3096 ASPHALTS, OILS, AND EMULSIONS
 ITEM 6001 PORTABLE CHANGEABLE MESSAGE SIGN
 ITEM 6185 TRUCK MOUNTED ATTENUATOR (TMA) AND TRAILER ATTENUATOR (TA)
 ITEM 6438 MOBILE RETROREFLECTIVITY DATA COLLECTION FOR PAVEMENT
 MARKINGS

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH
 ----- PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER
 PERTINENT ITEMS, IF ANY, AS MAY BE REFERRED TO IN THE ABOVE-
 LISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL
 PROVISIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFI-
 CATIONS FOR THIS PROJECT.