Control	**6428-78-001**
Project	**RMC - 642878001**
Highway	**SH0087**
County	**GALVESTON**

ADDENDUM ACKNOWLEDGMENT

Each bidder is required to acknowledge receipt of an addendum issued for a specific project. This page is provided for the purpose of acknowledging an addendum.

FAILURE TO ACKNOWLEDGE RECEIPT OF AN ADDENDUM WILL RESULT IN THE BID NOT BEING READ.

In order to properly acknowledge an addendum place a mark in the box next to the respective addendum.

ADDENDUM NO. 1 ☐

ADDENDUM NO. 2 ☐

ADDENDUM NO. 3 ☐

ADDENDUM NO. 4 ☐

ADDENDUM NO. 5 ☐

In addition, the bidder by affixing their signature to the signature page of the proposal is acknowledging that they have taken the addendum(s) into consideration when preparing their bid and that the information contained in the addendum will be included in the contract, if awarded by the Commission or other designees.

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Control	**6428-78-001**
Project	**RMC - 642878001**
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County	**GALVESTON**

PROPOSAL TO THE TEXAS TRANSPORTATION COMMISSION

2014 SPECIFICATIONS

WORK CONSISTING OF FERRY RAMP REPAIR

GALVESTON COUNTY, TEXAS

The quantities in the proposal are approximate. The quantities of work and materials may be increased or decreased as considered necessary to complete the work as planned and contemplated.

This project is to be completed in 730 working days and will be accepted when fully completed and finished to the satisfaction of the Executive Director or designee.

Provide a proposal guaranty in the form of a Cashier's Check, Teller's Check (including an Official Check) or Bank Money Order on a State or National Bank or Savings and Loan Association, or State or Federally chartered Credit Union made payable to the Texas Transportation Commission in the following amount:

ONE HUNDRED THOUSAND (Dollars) **($100,000)**

A bid bond may be used as the required proposal guaranty. The bond form may be detached from the proposal for completion. The proposal may not be disassembled to remove the bond form. The bond must be in accordance with Item 2 of the specifications.

Any addenda issued amending this proposal and/or the plans that have been acknowledged by the bidder, become part of this proposal.

By signing the proposal the bidder certifies:

1. the only persons or parties interested in this proposal are those named and the bidder has not directly or indirectly participated in collusion, entered into an agreement or otherwise taken any action in restraint of free competitive bidding in connection with the above captioned project.
2. in the event of the award of a contract, the organization represented will secure bonds for the full amount of the contract.
3. the signatory represents and warrants that they are an authorized signatory for the organization for which the bid is submitted and they have full and complete authority to submit this bid on behalf of their firm.
4. that the certifications and representations contained in the proposal are true and accurate and the bidder intends the proposal to be taken as a genuine government record.

- **Signed: ****

(1) _____ (2) _____ (3) _____

Print Name:

(1) _____ (2) _____ (3) _____

Title:

(1) _____ (2) _____ (3) _____

Company:

(1) _____ (2) _____ (3) _____

- Signatures to comply with Item 2 of the specifications.

**Note: Complete (1) for single venture, through (2) for joint venture and through (3) for triple venture.

*** When the working days field contains an asterisk (*) refer to the Special Provisions and General Notes.**

NOTICE TO CONTRACTORS

ANY CONTRACTORS INTENDING TO BID ON ANY WORK TO BE AWARDED BY THIS DEPARTMENT MUST SUBMIT A SATISFACTORY "AUDITED FINANCIAL STATEMENT" AND "EXPERIENCE QUESTIONNAIRE" AT LEAST TEN DAYS PRIOR TO THE LETTING DATE.

UNIT PRICES MUST BE SUBMITTED IN ACCORDANCE WITH ITEM 2 OF THE STANDARD SPECIFICATIONS OR SPECIAL PROVISION TO ITEM 2 FOR EACH ITEM LISTED IN THIS PROPOSAL.

TEXAS DEPARTMENT OF TRANSPORTATION

BID BOND

KNOW ALL PERSONS BY THESE PRESENTS,

That we, (Contractor Name) _____

_____

Hereinafter called the Principal, and (Surety Name) _____

_____

a corporation or firm duly authorized to transact surety business in the State of Texas, hereinafter called the Surety, are held and firmly bound unto the Texas Department of Transportation, hereinafter called the Obligee, in the sum of not less than two percent (2%) of the department's engineer's estimate, rounded to the nearest one thousand dollars, not to exceed one hundred thousand dollars ($100,000) as a proposal guaranty (amount displayed on the cover of the proposal), the payment of which sum will and truly be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the principal has submitted a bid for the following project identified as:

Control	**6428-78-001**
Project	**RMC - 642878001**
Highway	**SH0087**
County	**GALVESTON**

NOW, THEREFORE, if the Obligee shall award the Contract to the Principal and the Principal shall enter into the Contract in writing with the Obligee in accordance with the terms of such bid, then this bond shall be null and void. If in the event of failure of the Principal to execute such Contract in accordance with the terms of such bid, this bond shall become the property of the Obligee, without recourse of the Principal and/or Surety, not as a penalty but as liquidated damages.

Signed this _____ Day of _____ 20_____

By: _____

(Contractor/Principal Name)

_____

(Signature and Title of Authorized Signatory for Contractor/Principal)

*By: _____

(Surety Name)

_____

(Signature of Attorney-in-Fact)

*Attach Power of attorney (Surety) for Attorney-in-Fact

Impressed Surety Seal Only

This form may be removed from the proposal.

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BIDDER'S CHECK RETURN

IMPORTANT

The space provided for the return address must be completed to facilitate the return of your bidder's check. Care must be taken to provide a legible, accurate, and complete return address, including zip code. A copy of this sheet should be used for each different return address.

NOTE

Successful bidders will receive their guaranty checks with the executed contract.

RETURN BIDDERS CHECK TO (PLEASE PRINT):

Control	**6428-78-001**
Project	**RMC - 642878001**
Highway	**SH0087**
County	**GALVESTON**

IMPORTANT

PLEASE RETURN THIS SHEET IN ITS ENTIRETY

Please acknowledge receipt of this check(s) at your earliest convenience by signing below in longhand, in ink, and returning this acknowledgement in the enclosed self addressed envelope.

Check Received By: _____ Date:_____

Title: _____

For (Contractor's Name): _____

Project _____ County_____

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NOTICE TO THE BIDDER

In the space provided below, please enter your total bid amount for this project. Only this figure will be read publicly by the Department at the public bid opening.

It is understood and agreed by the bidder in signing this proposal that the total bid amount entered below is not binding on either the bidder or the Department. It is further agreed that **the official total bid amount for this proposal will be determined by multiplying the unit bid prices for each pay item by the respective estimated quantities shown in this proposal and then totaling all of the extended amounts.**

$_____

Total Bid Amount

Control 0001-03-030
Project STP 2000(938)HES
Highway SH 20
County EL PASO

ALT	ITEM	DESC	SP	Bid Item Description	Unit	Quantity	Bid Price	Amount	Seq
	104	509		REMOV CONC (SDWLK)	SY	266.400	$10.000	$2,664.00	1

EXAMPLE

Total Bid Amount _____$2,664.00_____

Signed _____
Title _____
Date _____

Additional Signature for Joint Venture:

Signed _____
Title _____
Date _____

EXAMPLE OF BID PRICES SUBMITTED BY COMPUTER PRINTOUT

EXAMPLES

BID PRICES SUBMITTED BY HAND WRITTEN FORMAT

ALT	ITEM-CODE			UNIT BID PRICE ONLY WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC NO	S.P. NO.				
	190	026		RED OAK 1 1/2 - 1 3/4 GAL BB	EA	9.000	1
				EXAMPLE: One hundred fifty DLRS and No CENTS			

Unit price for each plant in place

	249	014		FLEX BASE(DEL)(DENSCOT)(TY A GR4 CL2)	TON	56,787.00	14
				EXAMPLE: Seven DLRS and Fifty three CENTS			

Unit price for each ton of Flexible Base

	430	001	001	CL A CONC FOR EXT STR (CULV)	CY	45.000	27
				EXAMPLE: Three hundred five DLRS and No CENTS			

Unit price for each cubic yard of Concrete

	610	007	001	RDWY ILL ASSEM(TY ST 50T-8-8)(.4 KW)S	EA	13.000	7
				EXAMPLE: Fourteen hundred sixteen DLRS and Thirty seven CENTS			

Unit price of each Roadway Illumination Assembly

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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.				
	7009	6001		MARINE MOBILIZATION SITE A DOLLARS and CENTS	EA	8.000	1
	7102	6001		RELOCATE MARINE REPAIR EQUIPMENT DOLLARS and CENTS	EA	80.000	2
	7146	6002		CW SHEAV ASM REPL (REMV/INSTL)LAN 1,4,6 DOLLARS and CENTS	EA	1.000	3
	7146	6003		REPL MONOPILE CNC TWR PAD 24" LAN 1,4,6 DOLLARS and CENTS	EA	1.000	4
	7146	6004		REPL SPR BOX CNC FND LAN 1, 4, 6 DOLLARS and CENTS	EA	1.000	5
	7146	6005		CHAIN FALL REPL PER LAN 1, 4, 6 DOLLARS and CENTS	EA	1.000	6
	7146	6006		RPL LAN GRAT PAX WLKWY DMD PLT LAN1,4,6 DOLLARS and CENTS	EA	1.000	7
	7146	6007		RPL HEAD LOG INCL BRKT AND ANG-SLAN1,4,6 DOLLARS and CENTS	EA	1.000	8
	7146	6008		REPAIR IN LFTG BEAM LW21X62LAN 1,4,6 DOLLARS and CENTS	EA	1.000	9
	7146	6009		CHN IRN FOR SM GRATING C4X7.25LAN 1,4,6 DOLLARS and CENTS	EA	1.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	7146	6010		LANDING REFURB LAN 1, 4, 6 DOLLARS and CENTS	EA	1.000	11
	7146	6011		CNC COUNTERWT BLK-LFT BOLT REP LAN1,4,6 DOLLARS and CENTS	EA	1.000	12
	7146	6012		CNTRWGHT BLK-LFT CBL REPLLAN 1, 4, 6 DOLLARS and CENTS	EA	2.000	13
	7146	6013		CNTRWGTH BLK ANG TRK LAN 1, 4, 6 DOLLARS and CENTS	EA	1.000	14
	7146	6014		REM/INSTL HYDR LFT RAMS LAN 1, 4, 6 DOLLARS and CENTS	EA	1.000	15
	7146	6015		CNC PAD FOR TWR REP LAN 1, 4, 6 DOLLARS and CENTS	EA	1.000	16
	7146	6016		INSTL SPR BOX ANCH BOLT LAN 1, 4, 6 DOLLARS and CENTS	EA	1.000	17
	7146	6017		REP SPR BOX CNC FND LAN 1, 4, 6 DOLLARS and CENTS	EA	1.000	18
	7146	6018		REP SPR BOX AR PLT/BW LAN 1, 4, 6 DOLLARS and CENTS	EA	1.000	19
	7146	6019		REP SPR BOX ANG L9"X4"X1/4" LAN 1, 4, 6 DOLLARS and CENTS	EA	1.000	20
	7146	6020		FINGER REPL-FULL SET LAN 2, 3, 5 DOLLARS and CENTS	EA	1.000	21
	7146	6021		REM/INSTL HYDR LFT RAMS LAN 2, 3, 5 DOLLARS and CENTS	EA	1.000	22

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	7146	6022		CHN FALL REPL LAN 2, 3, 5 DOLLARS and CENTS	EA	2.000	23
	7146	6023		GD RAIL REPL LAN 2, 3, 5 DOLLARS and CENTS	EA	2.000	24
	7146	6024		LFT CBL REPL FOR RAMP LAN 2,3,5 DOLLARS and CENTS	EA	3.000	25
	7146	6025		TRQ TUBE BUSH REPL LAN 2, 3, 5 DOLLARS and CENTS	EA	3.000	26
	7146	6026		REPL MOORNG RING 60" MONOPILE ANY LAN DOLLARS and CENTS	EA	1.000	27
	7146	6027		REPL BOAT LIFT FENDER DOLLARS and CENTS	EA	1.000	28
	7146	6028		REP MTL ROOFING 50 SQ FT DOLLARS and CENTS	EA	4.000	29
	7146	6029		REPL MONOPILE 60" D X 120' L DOLLARS and CENTS	EA	8.000	30
	7146	6030		EXT MONOPILE 60" D X 20' L DOLLARS and CENTS	EA	1.000	31
	7146	6031		FULL REPL DONUT FENDER 9'10" DOLLARS and CENTS	EA	16.000	32
	7146	6032		FULL REPL DONUT FENDER 13'8" DOLLARS and CENTS	EA	4.000	33
	7146	6033		DONUT FENDER REP 9'10" UPPER UNIT REPL DOLLARS and CENTS	EA	6.000	34

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	7146	6034		DONUT FENDER REP 9'10" LOWER UNIT REPL DOLLARS and CENTS	EA	6.000	35
	7146	6035		DONUT FENDER REP/REM/CLN/INSP DOLLARS and CENTS	EA	40.000	36
	7146	6036		DNFND REP TIM RPL12X12 UHMW PAD CHN ASM DOLLARS and CENTS	EA	120.000	37
	7146	6037		DNFND REP TIM RPL 12X8 UHMW PAD CHN ASM DOLLARS and CENTS	EA	1.000	38
	7146	6038		DN FENDER REP UHMW REPL SPEC SIZE BOLT DOLLARS and CENTS	EA	150.000	39
	7146	6039		DN FENDER REPAIR 13'8" LOWER UNIT REPL DOLLARS and CENTS	EA	1.000	40
	7146	6040		REPL WING WALL TIMBERS UHMW PADS DOLLARS and CENTS	EA	6.000	41
	7146	6041		REPL WING WALL UHMW PADS DOLLARS and CENTS	EA	4.000	42
	7146	6042		OUTER DOLPHIN REPL TYPE II DOLLARS and CENTS	EA	1.000	43
	7146	6043		FAB INSTL HNDRAIL OUTER DOLPH OR WNGWAL DOLLARS and CENTS	EA	3.000	44

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	7146	6044		OUTER DOLPHIN REP TYPE II DOLLARS and CENTS	EA	1.000	45
	7146	6045		OUTER DOLPHIN REPAIR TYPE I DOLLARS and CENTS	EA	4.000	46
	7146	6046		REPL NAVIGATION LTS PER LANDING DOLLARS and CENTS	EA	12.000	47
	7146	6047		FAB INSTL LADDER OUTR DOLPH OR NAV TWRS DOLLARS and CENTS	EA	2.000	48
	7146	6048		REPL ADHESIVE RETRO REFL SIGN PER LAN DOLLARS and CENTS	EA	12.000	49
	7146	6049		REPL SLOW BELL RETRO REFL SIGN PER LAN DOLLARS and CENTS	EA	12.000	50
	7146	6050		REPL LAN 1, 4, 6 RACEWAY SUPT BRACK-ETS DOLLARS and CENTS	EA	1.000	51
	7146	6051		REPL LAN 1, 4, 6 UTILITY RACEWAY DOLLARS and CENTS	EA	1.000	52
	7146	6052		REP RACEWAY SUPT BRACKETS LAN 2, 3, 5, DOLLARS and CENTS	EA	15.000	53
	7146	6053		INSTL SHOREPOWER LANDINGS 4, 5, 6 DOLLARS and CENTS	EA	1.000	54
	7146	6054		MOVE CONTACT SURFACE WING WALL 1,4,6 DOLLARS and CENTS	EA	1.000	55

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	7146	6055		REM UNUSED MONOPILE & DONUT FENDER DOLLARS and CENTS	EA	1.000	56
	7146	6056		13'8" DONUT FNDR UPPR UNT REPL LAN DOLLARS and CENTS	EA	2.000	57
	7146	6057		REPL OLD STYLE LAN ROCKERS PER LAN1,4,6 DOLLARS and CENTS	EA	1.000	58
	7146	6058		IN BOLTS FOR LAN COVER PLATES PER LAN DOLLARS and CENTS	EA	3.000	59
	7146	6059		REP TOP SEAL OF DONUT FENDER MAINT ITEM DOLLARS and CENTS	EA	4.000	60
	7146	6060		COUNTER WT TOWER LEG REP PER LAN 1,4,6 DOLLARS and CENTS	EA	1.000	61
	7146	6061		REM/REF COUNTER WT TOWR MEM ATT PER LAN DOLLARS and CENTS	EA	1.000	62
	7146	6062		INSTL TXDOT FURN TIMBER FENDER DOL-PHIN DOLLARS and CENTS	EA	20.000	63
	7146	6063		REPL RETROFIT SPRING BOX 1,4,6 DOLLARS and CENTS	EA	1.000	64
	7146	6064		RELOC PAIR DONUT FENDERS UPPR LOWR UNT DOLLARS and CENTS	EA	8.000	65

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	7146	6065		REP DONUT FENDER LOWR UNT 9'10" & 13'8" DOLLARS and CENTS	EA	12.000	66
	7146	6066		SHORE POWER MAINT/REP EAMEM ATT PER LAN DOLLARS and CENTS	EA	3.000	67
	7146	6067		COMPLETE REPLACEMENT OF OUTER DOL-PHIN DOLLARS and CENTS	EA	2.000	68
	7146	6068		COMBIWALL MAINTENANCE DOLLARS and CENTS	EA	3.000	69
	7146	6069		REFURB A-FRAME COUNTERBALANCE STRUCTURE DOLLARS and CENTS	EA	3.000	70
	7146	6070		UPPER PINTLE REPLACEMENT DOLLARS and CENTS	EA	1.000	71
	7146	6071		LOWER PINTLE BEARING REPLACEMENT DOLLARS and CENTS	EA	1.000	72
	7146	6072		LANDING RAMP REFURBISHMENT DOLLARS and CENTS	EA	1.000	73
	7146	6074		REPLACE SECURITY BOOTH DOLLARS and CENTS	EA	4.000	74
	7146	6075		BUS SHELTER REPLACEMENT DOLLARS and CENTS	EA	2.000	75
	7146	6076		BOTTOM SURVEY DOLLARS and CENTS	EA	2.000	76

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	7146	6077		BUCKET DREDGING 50 CUBIC YARDS DOLLARS and CENTS	EA	10.000	77
	7146	6078		REPLACE MONOPILE TOP DOLLARS and CENTS	EA	20.000	78
	7146	6079		OUTER DOLPHIN REPLACEMENT TYPE III DOLLARS and CENTS	EA	2.000	79

CERTIFICATION OF INTEREST IN OTHER BID PROPOSALS FOR THIS WORK

By signing this proposal, the bidding firm and the signer certify that the following information, as indicated by checking “Yes” or “No” below, is true, accurate, and complete.

A. Quotation(s) have been issued in this firm's name to other firm(s) interested in this work for consideration for performing a portion of this work.

_____ YES

_____ NO

B. If this proposal is the low bid, the bidder agrees to provide the following information prior to award of the contract.

1. Identify firms which bid as a prime contractor and from which the bidder received quotations for work on this project.
2. Identify all the firms which bid as a prime contractor to which the bidder gave quotations for work on this project.

ENGINEER SEAL

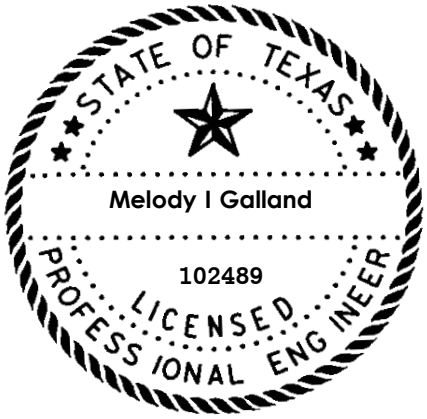
Control **6428-78-001**

Project **RMC - 642878001**

Highway **SH0087**

County **GALVESTON**

The enclosed Texas Department of Transportation Specifications, Special Specifications, Special Provisions, General Notes and Specification Data in this document have been selected by me, or under my responsible supervision as being applicable to this project. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.



The seal appearing on this document was authorized by

Melody I Galland, P.E.

MAY 23, 2023

Project Number: RMC 6428-78-001

County: Galveston

Highway: SH 87

Control: 6428-78-001

General Notes:

General:

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

William P. Mallini Email: bill.mallini@txdot.gov

Donald A. Marquise Email: donald.marquise@txdot.gov

Questions may be submitted via the Letting Pre-Bid Q&A web page. This webpage can be accessed from the Notice to Contractors dashboard located at the following Address:

https://tableau.txdot.gov/views/ProjectInformationDashboard/NoticetoContractors

All contractor questions will be reviewed by the Engineer. All questions and any corresponding responses that are generated will be posted through the same Letting Pre-Bid Q&A web page.

The Letting Pre-Bid Q&A web page for each project can be accessed by using the dashboard to navigate to the project you are interested in by scrolling or filtering the dashboard using the controls on the left. Hover over the blue hyperlink for the project you want to view the Q&A for and click on the link in the window that pops up.

General:

This is a Routine Maintenance Non-Site-Specific Call-Out contract.

The Contractor will begin call out work within the required time for each work order. Work orders are expected to be completed per the contract plans within the number of days allowed for each work order. All call out work orders will have a begin date and number of working days. The Contractor will begin work within 72 hours of notification for call outs, unless otherwise approved by the Engineer; however, call outs requiring a barge

will begin work within 7 calendar days of notification, unless otherwise approved by the Engineer. Work will be completed within the required number of working days. Failure to begin work within the required time and proceed to completion within the required time will result in the assessment of liquidated damages.

Project Number: RMC 6428-78-001

County: Galveston

Highway: SH 87

Control: 6428-78-001

When notify of an emergency repair, Contractor shall respond within 2 hours of notification. Failure to respond within 2 hours of notification will result in the assessment of liquidated damages at the rate of $2,590 per day.

No work is guaranteed, and no minimum quantity is guaranteed. Line items will only be used on an as needed basis as determined by the department. All items may not be utilized. Buyout is not included with this contract.

Site visits should be performed to properly assess the project. A site visit is essential and strongly encouraged to obtain a complete understanding of the project and project area. A site visit can assist with clarifying details and assessing potential project constraints such as physical and environmental constraints.

When mutually agreed in writing, the Engineer may extend the period of this contract for 1 year if the Contractor has satisfactorily fulfilled the terms and conditions of the contract.

The channel will remain open to marine traffic during repair operations. Coordinate work that will impact boat traffic in the channel with the United States Coast Guard (USCG).

The cost of providing diver(s) required for repair or removal of any bid item will be considered subsidiary to the various bid items.

The execution of all work will be conducted after discussion and agreement by the TxDOT Project Manager or his Representative. Minor details will be discussed. Work will proceed when acceptable to the Project Manager or his Representative

A Work Plan and schedule of values, including Mobilizations and Relocations, and Items of Work will be submitted to TxDOT for approval prior to Mobilization. Any alteration or deviation from the original approved submittal must be resubmitted and approved in writing by TxDOT. This shall include all Contractor Mobilizations and Relocations. Execution of all work will begin with TxDOT approval.

Upon written notice of a work order being issued, order the required materials, and as soon as each line-item materials are available, with approved work plan and TxDOT approval, Mobilize within 10 calendar days and begin work in an expeditious manner. Prosecute work continuously to completion within the working days specified in the approved working plan. Liquidated damages will be accessed when the Contractor fails to complete the work within the specified time for the work plan.

Project Number: RMC 6428-78-001

County: Galveston

Highway: SH 87

Control: 6428-78-001

References to manufacturer's trade name or catalog numbers are for the purpose of identification only. Similar materials from other manufacturers are permitted if they are of equal quality, comply with the specifications for this project, and are approved. Any substitution of materials will require submittal with TxDOT approval.

Line items requiring ordering lead time shall be ordered within 72 hours of the initiation of the line item and written verification shall be submitted to TxDOT Project Manager or his Representative.

TxDOT reserves the right to initiate any item with long lead time to have parts available for repairs as needed. Contractor shall submit actual material costs for payment. Balance of line item shall be paid upon completion of line item.

Line items shall be paid in full upon completion of line item. No partial payments will be allowed unless approved in advance by the Department.

All submittals and/or RFIs must be submitted to TxDOT within 10 contract days upon initiation of the line item. Material shall be ordered within 72 hours of receiving TxDOT approval. Storage of Material will be the responsibility of the Contractor and at Contractor's cost. TxDOT must be satisfied with the security, control, maintenance, and preservation measures. Contractor will be responsible for any damage to any material damaged during the work progress. Contractor will be responsible for any damage to material during storage or transit. Periodic inspections will be conducted during storage and installation. Storage will include long lead time items.

All Contract workers must possess a valid TWIC prior to being approved to work on site. This applies to all work locations and work scopes. There will be no exceptions. All workers must check in at Guard Shack prior to starting work.

Procure permits and licenses, which are to be issued by the City, County, or Municipal Utility District.

If existing Contract expires and existing Contractor does not get new Contract awarded, all leftover materials on hand (MOH) will be delivered to TxDOT and picked up by new Contractor. If existing Contractor is awarded new Contract or Contract is extended, Contractor will keep possession of MOH.

Buy America Act applies. See 2014 Standard Specifications Book (Page 36 Item 6.1.1).

Project Number: RMC 6428-78-001

County: Galveston

Highway: SH 87

Control: 6428-78-001

General: Site Management

Two landings in Bolivar and two landings in Galveston must remain operational at all times. While performing work on one landing, the adjacent landing(s) must remain operational at all times. This is applicable to both the Galveston and Bolivar facility.

Do not leave equipment in the ferry landing or work dock when gainful work is not being performed except for overnight where work will be performed the next working day unless directed by the TxDOT Project Manager or his Representative. Equipment is to be relocated from ferry landing over all weekends unless approval is given.

When warranted, the Contractor may conduct the required work on floating intermediate and inner dolphins without removal from the steel monopile upon consultation and approval of the TxDOT Project Manager or his Representative.

Hazardous and non-hazardous waste materials will be disposed of in accordance with all applicable state and federal regulations. Copies of disposal records and manifests will be provided to TxDOT. Contractor shall conduct activities in compliance with applicable Environmental Laws and regulations and other requirements of the Contract relating to the environment, and its protection at all times.

Salvageable parts removed by the Contractor will become the property of the department upon the request of TxDOT Project Manager or his Representative. Should the department waive salvage of any parts removed, said items will become the property of the Contractor. All salvaged material shall include any demo required to remove salvaged material from demo item. Contractor shall store salvaged material at location designed by department.

Do not conduct lifting operations while the ferry vessels are maneuvering or conducting operations in the landing or adjacent landing in which work is being performed. The ferry vessels will not use the landing in which work is being performed unless an unforeseen emergency should arise.

At the TxDOT Project Manager's discretion and approval, repair and maintenance beyond the scope of onsite capabilities can be conducted on the Contractor's property. A twenty four hour notice must be given for any off-site work allowing for the inspector to be present.

The removal of excess marine growth from an Intermediate or Inner Dolphin, if applicable, will be considered subsidiary to the various bid items. All marine growth should be removed in its entirety.

Pipe piles shall be seamless or straight seam welded and conform to the requirements of ASTM A252. Spiral welded pipe piles are allowed for work dock fenders only. Pipe pile wall thicknesses indicated on the drawings are minimum thickness. No two horizontal splices shall be located closer together than 10 feet. Longitudinal seams in adjacent sections of pipe shall be rotated a minimum of 15 degrees. The use of permanent backing rings is not permitted without specific approval by the TxDOT Project Manager or his Representative. Field splicing of pipe piles is not permitted without prior review and acceptance from the TxDOT Project Manager or his Representative.

New reaction piles shall be ASTM A252 Grade 3 Modified (yield strength = 60 ksi). New fender piles shall also have a minimum yield strength of 60 ksi.

General: Traffic Control and Construction

When design details are not shown on the plans, provide signs and arrows conforming to the latest “Standard Highway Sign Designs for Texas” manual.

Item 7: Legal Relations and Responsibilities

Do not initiate activities in a Project Specific Location (PSL), associated with a U.S. Army Corps of Engineers (USACE) permit area, that have not been previously evaluated by the USACE as part of the permit review of this project. Such activities include those pertaining to, but are not limited to, haul roads, equipment staging areas, borrow and disposal sites. Associated defined here means materials are delivered to or from the PSL. The permit area includes the waters of the U.S. or associated wetlands affected by activities associated with this project. Special restrictions may be required for such work. Assume responsibility for consultations with the USACE regarding activities, including PSLs that have not been previously evaluated by the USACE. Provide the Department with a copy of consultations or approvals from the USACE before initiating activities.

The Contractor may proceed with activities in PSLs that do not affect a USACE permit area if a self-determination has been made that the PSL is non-jurisdictional or if proper USACE clearances have been obtained in jurisdictional areas or have been previously evaluated by the USACE as part of the permit review of this project. The Contractor is solely responsible for documenting any determinations that their activities do not affect a USACE permit area. Maintain copies of their determinations for review by the Department or any regulatory agency.

Document and coordinate with the USACE, if required, before hauling any excavation from or hauling any embankment to a USACE permit area by either 1 or 2 below:

1. **Restricted Use of Materials for the Previously Evaluated Permit Areas.** Document both the Project Specific Locations (PSL) and their authorization. Maintain copies for review by the Department or any regulatory agency. When an area within the project limits has been evaluated by the USACE as part of the permit process for this project:
   a. Suitable excavation of required material in the areas shown on the plans and cross sections as specified in the Item, "Excavation" is used for permanent or temporary fill (under the Item, "Embankment") within a USACE permit area.
   b. Suitable embankment (under the Item, "Embankment") from within the USACE permit area is used as fill within a USACE evaluated area.
   c. Unsuitable excavation or excess excavation, "Waste" (under the Item, "Excavation"), that is disposed of at a location approved within a USACE evaluated area.

2. **Contractor Materials from Areas Other than Previously Evaluated Areas.** Provide the Department with a copy of USACE coordination or approvals before initiating any activities for an area within the project limits that has not been evaluated by the USACE or for any off right of way locations used for the following, but not limited to, haul roads, equipment staging areas, borrow and disposal sites:
   a. The Item, "Embankment" used for temporary or permanent fill within a USACE permit area.
   b. Unsuitable excavation or excess excavation, "Waste" (under the Item, "Excavation"), that is disposed of outside a USACE evaluated area.

Do not store any material in waters of the United States inside the right of way without written approval.

The nesting / breeding season for migratory birds is February 15 through September 30.

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.

Coordinate with adjacent construction project(s) for all lane closures and landing closures to minimize impacts to the traveling public.

Item 8: Prosecution and Progress

Working days will be computed and charged in accordance with TxDOT 2014 Standard Specifications Section 8.3.1.6. Workdays will be charged Sunday through Saturday. Work being allowed between the hours of 7:00 a.m. and 6:00 p.m. Work on Fridays, Saturdays, Sundays, and National Holidays will only be allowed with prior approval from TxDOT. Work will not be allowed during Spring Break or the week of July 4th without prior approval from TxDOT.

Weather days are not included in this contract. All days are charge workdays including workdays that require prior approval.

The Contractor shall provide 10 calendar days advance written notice to TxDOT Project Manager to obtain approval for scheduling work on Friday, Saturday, Sunday, Spring Break, and Week of July 4th.

Item 7009: Mobilization of Marine Operations and System Repair

6001: Mobilization into site encompasses the Bolivar Ferry landings, Galveston Ferry landings and Galveston Work Docks, subsequently moving to and from Galveston and Bolivar once mobilized into job site, will not constitute mobilization, but will be a relocate as defined in Special Specification 7102. Sequence of work with detailed work scope shall be submitted to TxDOT Project Manager and must be pre-approved in writing before any mobilization. Mobilization shall be based on TxDOT approved schedule of values.

50% of the Mobilization will be paid after Mobilizing into the site with Sequence of work and TxDOT Project Manager's approval. The remaining 50% will be paid after demobilization and the contractor has cleared the Department's Right of Way. Any additional required mobilizations after contract commencement with written approval from TxDOT Project Manager will be paid on the same formula bases.

If the contractor mobilizes into the work site and then departs the work site without completing the work, such as to pick up material or equipment, this will not be

considered as a demobilization and there will be no compensation for this move. This will be considered subsidiary to the work item.

Item 7102: Relocation of Marine Repair Equipment

6001: The job site as defined will encompass both Bolivar Ferry Landing and Galveston Ferry Landings and Galveston Work Docks, subsequently moving to and from Galveston or Bolivar once mobilized into the job site, will not constitute mobilization, but will be a relocate as defined in Special Specification 7102.

Any required temporary shift out of a landing or work dock to accommodate the needs of the department will constitute a relocate as defined in Special Specification, "Relocation of Marine Equipment." A relocate other than defined in Special Specification, "Relocation of Marine Equipment," will be at the TxDOT Project Manager discretion and approved prior to operations.

If operational needs require a relocate, the TxDOT Project Manager will direct a (1) relocate out of the landing for a specified period of time and one (1) relocate into the landing.

Shifting positions within one landing or work dock will not constitute a relocate as defined in Special Specification, "Relocation of Marine Equipment."

All relocations shall be submitted in writing with Sequence of work at time of mobilization and approved by TxDOT Project Manager in writing. Any unapproved relocations shall be at Contractor cost.

Item 7146: Ferry Landing Maintenance

6002: Sheave Assembly Replacement – Contractor shall secure landing ramp and counterweight in place and remove sheave assembly per project specifications and drawings for Landings #1, #4, or #6. Installation of any bolts shall be subsidiary to this Line Item. New steel members/parts shall be hot-dipped galvanized. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445.

TxDOT will supply new sheave and shaft assembly for Contractor to install. Existing counterweight shall be reused. Note: Quantities are per landing (2 towers).

6003: 24" Monopile Replacement for Concrete Tower Pad – At locations where the monopiles will be removed, ensure there is adequate support for the structures above the monopiles, such as installation of temporary support structures or reinforcing of adjacent structures. Once adequate support is placed/installed, remove the existing 24" monopile and install a new 24" monopile per project specifications and drawings for #1 or #6 Landings. New steel piles are 80 feet in length and the top 40 feet shall be coated with Thermal Sprayed Aluminum (TSA) coating. Remove all temporary supports. If tower is to be removed, it will be subsidiary of line item. Activation of 6015 may be used to make repair with TxDOT Project Manager or his Representative approval.

6004: Spring Box Concrete Foundation Replacement at Landings #1, #4, and #6 – Remove the landing ramp assembly, spring box assembly, and the outermost spring box steel base plates and store them in a TxDOT-approved location. Cut and remove a one foot section/strip of concrete at 3 sides of the platform (ones that are exposed to the water). Be careful not to damage any of the steel reinforcements. Roughen the exposed cut concrete surfaces to an amplitude of ¼". Chip into the concrete an additional 6 inches to expose more sections of the steel reinforcements.

Splice new steel bars, that are the same size as the existing ones, with the exposed platform steel reinforcements using mechanical couplers.

Clean all surfaces prior to placing concrete. Place/install new concrete in accordance with the dimensions indicated in the project drawings. Maintain a 3" clear cover between reinforcement and the concrete surface. Install new base plate anchor bolts in accordance with Line Item 7146-6016.
Install new style hinge shaft base plates Line item 7146-6063.
Reinstall the rest of the steel base plates, spring box assembly, and landing ramp assembly. Approximately 5½ cubic yards of concrete is required, per landing, to replace/refurbish the existing spring box concrete foundation. Work shall be in accordance with TxDOT Standard Specifications 2014, Items 421 and 446. Removal and reinstallation of the spring box assembly, spring box steel base plates, and landing ramp are subsidiary to this Line Item.

6005: Chain Fall Replacement Per Landing (Landings #1, #4, or #6) – Unhook the existing 10-ton chain falls from their support bracket plates. Replace the support bracket plates.

TxDOT to determine if existing brackets can remain. New support bracket plates, which shall be provided by the Contractor, shall be hot-dipped galvanized for corrosion control.

Install new chain falls onto the support bracket plates at each landing. Existing chain falls are Chester Zephyr 10-ton manual chain falls with stainless steel lifting chain and aluminum pull chain.

Housing and lifting chains shall all be Grade 316 stainless steel and match existing lengths of chain and travel. Work shall be in accordance with 2014 Standard Specifications, Item 445. Welds and bare surfaces on in-situ steel members shall be cold galvanized in accordance with TxDOT 2014 Standard Specifications Item 445. Contractor shall verify all measurements. (2 each per landing)

6006: Landing Grating and Passenger Walkway Diamond Plate Replacement Per Landing – Remove existing landing grating and passenger walkway diamond plates and replace with new ones per project specifications and drawings for #1, #4, or #6 Landings. New landing gratings shall be 1½" and 2½" riveted steel gratings. New diamond plates shall be hot-dipped galvanized coated yellow non-skid on top. Secured to grating to lock into place for vehicle traffic. Welds and bare surfaces on in-situ steel members shall be cold galvanized in accordance with TxDOT 2014 Standard Specification Item 445. Contractor to confirm all sizes and orientation (left hand or right hand) prior to ordering.

6007: Head Log Replacement Per Landing – Remove existing head log and replace with new head log including (14) brackets and (6) angles per project specifications and drawings for #1, #4, or #6 Landings. New steel members/parts shall be hot-dipped galvanized. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445.

6008: Main Lifting Beam (W21x62) Repair (Landings #1, #4, or #6) – Prior to any repair/replacement work, ensure the ramp has adequate support, such as installation of temporary support structures, in case the lifting beam needs to be isolated or separated from the ramp assembly. Once adequate support is installed/placed, replace the lifting beam as needed. Adjacent members damaged during the repair/replacement work shall also be repaired or replaced, as necessary. Remove the temporary supports. New steel members/parts shall be hot-dipped galvanized. Welds and bare surfaces on in-situ steel members shall be cold galvanized in accordance with TxDOT 2014 Standard Specification Item 445.

Lifting beam shall be fitted with additional pad eye, for chain fall operation, and properly aligned with the lifting rams. All bolts shall be in kind and subsidiary to this Line Item.

6009: Channel Iron (C4x7.25) for Small Grating Repair Per Landing (Landings #1, #4, or #6) – Prior to any repair/replacement work, ensure the ramp has adequate support, such as installation of temporary support structures. Once adequate support is installed/placed, repair/replace (24) channel iron members per the project drawings for #1, #4, and #6 Landings. Adjacent members damaged during the repair/replacement work shall also be repaired or replaced, as necessary. Remove the temporary supports. New steel members/parts shall be hot-dipped galvanized. Welds and bare surfaces on in-situ steel members shall be cold galvanized in accordance with TxDOT 2014 Standard Specification Item 445.

6010: Landing Ramp Refurbishment Per Landing (Landings #1, #4, or #6) – Provide and install temporary supports for the concrete counterweight block (at both sides of the landing ramp). While fully supporting the landing ramp (i.e., by crane), remove the landing ramp hinge shaft. Remove the landing ramp assembly and place it in a TxDOT-approved location. At the TxDOT-approved location, inspect the landing ramp assembly and make any necessary repairs or replacement on up to 50% of ramp. All replacement members and/or parts shall be subsidiary of line item and be hot-dipped galvanized. Fully recoat the structure. Welds and bare surfaces on in-situ steel members shall be cold-galvanized.

Reposition the landing ramp assembly and reinstall a new hinge shaft, which shall be made of non-corroding material. Apply EAL-type grease (i.e., Panolin Biogrease EP 2 or equivalent) on the new hinge shaft. Members damaged during the refurbishment work shall also be repaired or replaced as necessary. Remove the temporary supports. Installation of any bolts shall be subsidiary to this Line Item. Work shall be in accordance with TxDOT Standard Specifications 2014, Items 445 and 446. All necessary repairs, including electrical and hydraulic removal and reinstallation, shall be subsidiary to this Line Item.

6011: Concrete Counterweight Block-Lifting Eyebolt Repair Per Landing (Landings #1, #4, or #6) – Provide and install temporary supports for the concrete counterweight block and landing ramp. Chip concrete around stub shafts to allow adequate room to weld the new eyelets/eyebolts in place. Remove the existing eyebolts and replace with new eyebolts.

The new eyebolts are 1½ inch diameter, 19 inch in length with a 3-inch ID eyelet and will have to be welded to existing stub shafts in the concrete block. Fill/replace the chipped concrete areas with epoxy grout. Remove the temporary supports. Work shall be in accordance with TxDOT Standard Specifications 2014, Item 445. (2 each per landing)

6012: Counterweight Block-Lifting Cable Replacement Per Landing (Landings #1, #4, or #6) – Provide and install temporary supports for the concrete counterweight block and landing ramp. Remove the existing lifting steel cables and replace with new steel cables. Cables are 32 feet 8 inches in length, ¾ inch diameter, and 6 x 19 wire rope galvanized, with Closed Wire Rope Sockets on each end. The new steel cables are also pre-lubricated
with EAL-type grease (i.e., Panolin Biograese EP 2 or equivalent). Remove the temporary supports. Cables will be replaced on both the right and left towers, for a total of (4) cables (two at each tower).

6013: Counterweight Block Angle Tracking Per Landing (Landings #1, #4, or #6) – Line Item includes (2) counterweight towers. Provide and install temporary supports for the concrete counterweight block and landing ramp. Remove the existing concrete block angle guides (L5x5x5/16) and replace with new ones per project specifications and drawings. The new angle guides shall be hot-dipped galvanized. Adjacent members damaged during the replacement work shall also be repaired or replaced as necessary. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445. Apply EAL-type grease (i.e., Panolin Biograese EP 2 or equivalent) on the surfaces of the angle guides where the concrete block will travel along. Remove the temporary supports.

6014: Hydraulic Lifting Rams and Swivels Per Landing (Remove and Install) – Replace existing hydraulic lifting rams and swivels with new ones for Landings #1, #4 or #6. Installation of any bolts shall be subsidiary to this Line Item. TxDOT will supply new rams and swivels for Contractor to install. Contractor will supply hydraulic hoses and stainless-steel fittings for marine environments for the new rams. Hoses shall meet J1942 specifications or better. (2 rams per landing, 2 hoses per ram)

6015: One Concrete Pad for Tower Repair (Landings #1, #4, or #6) – Remove damaged, cracked, spalled, and delaminated concrete sections, as well as damaged steel reinforcement. Expose and remove all corroded reinforcements with 10% or more section loss.

Removed reinforcements shall be replaced in-kind and shall be subsidiary of this line item. Exposed reinforcements with less than 10% section loss shall be left in place, cleaned, and coated with anti-corrosion coating. Depth of concrete removal shall allow for a minimum clearance of 1" between the farthest exposed reinforcement (from original concrete face) and the exposed concrete repair/replacement surface roughen exposed concrete surfaces to be repaired to ¼" amplitude.
Clean all surfaces prior to placing concrete.
Place new concrete and complete repairs per project specifications and drawings. Total concrete to be repaired/replaced is four cubic yards. Work shall be in accordance with TxDOT 2014 Standard Specifications, Item 421.

6016: Install Spring Box Anchor Bolts Per Landing (Landings #1, #4, or #6) – Provide and install temporary supports for the concrete counterweight block (at both sides of the landing ramp). While fully supporting the landing ramp (i.e., by crane), remove the landing ramp hinge shaft. Remove the landing ramp assembly and place it in a TxDOT approved location. Remove the spring box assembly and place it in a TxDOT-approved location. Remove existing base plate anchor bolts and replace them with new ones per project specifications and drawings. Each spring box assembly has a total of 84 anchor bolts. New anchor bolts will be post-installed. Reinstall the base plates. Reinstall the spring box assembly. Apply EAL-type grease (i.e., Panolin Biogrease EP 2 or equivalent) on the steel springs. Reposition the landing ramp assembly and reinstall a new hinge shaft. Apply EAL-type grease (i.e., Panolin Biogrease EP 2 or equivalent) on the new hinge shaft. Members damaged during the replacement work shall also be repaired or replaced as necessary. Remove the temporary supports. Installation of bolts, aside from the anchor bolts, shall be subsidiary to this Line Item. With the exception of the hinge shaft and steel springs, which will be greased, clean and cold-galvanize welds and bare surfaces.

Work shall be in accordance with Standard Specifications TxDOT 2014, Items 445 and 446.

6017: Repair Spring Box Concrete Foundation (Landings #1, #4, or #6) – Perform this Line Item in conjunction with Line Item 7146-6016. Remove damaged, cracked, spalled, and delaminated concrete sections, as well as damaged steel reinforcement. Expose and remove all corroded reinforcements with 10% or more section loss. Removed reinforcements shall be replaced in-kind. Exposed reinforcements with less than 10% section loss shall be left in place, cleaned, and coated with anti-corrosion coating.

Depth of concrete removal shall allow for a minimum clearance of 1" between the farthest exposed reinforcement (from original concrete face) and the exposed concrete repair/replacement surface. Roughen exposed concrete surfaces to be repaired to ¼" amplitude. Clean all surfaces prior to placing concrete. Extend the area of concrete placement as necessary per the project drawings. Install additional reinforcements as necessary and splice them to existing ones accordingly. Maintain a 3" clear cover between reinforcement and the concrete surface. Place new concrete and complete repairs per project specifications and drawings. Approximately one cubic yard of damaged concrete shall be replaced. Work shall be in accordance with TxDOT 2014 Standard Specifications, Item 421.

6018: Repair Spring Box Armor Plate at Back Wall Per Landing (Landings #1, #4, or #6) – Remove the L9x4x1/2 member sections attached to the spring box armor plate. Also, remove the steel grating adjacent to the L9x4x1/2 member. Remove and replace damaged and/or severely corroded sections of the armor plate.
New armor plate sections shall be hot-dipped galvanized and secured to the concrete backwall via post-installed anchor bolts.

Install new hot-dipped galvanized L9x4x1/2 to the new armor plate sections.
Reinstall the removed steel grating. Members damaged during the replacement work shall also be repaired or replaced as necessary.
Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445.
Installation of any bolts shall be subsidiary to this Line Item.

6019: Replace Spring Box Angle L9x4x1/2 Per Landing (Landings #1, #4, or #6) – Perform this Line Item in conjunction with Line Item 7146-6018. Remove damaged and/or severely corroded sections of the L9x4x1/2 member attached to the spring box armor plate. Also, remove the steel grating adjacent to the L9x4x1/2 member. Install new hot-dipped galvanized L9x4x1/2 sections to the armor plate. Reinstall the removed steel grating.

Members damaged during the replacement work shall also be repaired or replaced as necessary. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445. Installation of any bolts shall be subsidiary to this Line Item.

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6020: Finger Replacement (Full Set Per Landing) – Replace the landing ramp finger plates in any Landing as per project drawings. General layout of the finger plates is shown in the project drawings. Contractor to verify dimensions and all related appurtenances, such as support brackets, prior to commencing any work. Contractor to ensure proper fit-up for each finger plate. New finger plates shall be coated with Thermal Sprayed Aluminum (TSA) coating. Adjacent members damaged during the replacement work shall also be repaired or replaced as necessary. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item Item 445. Installation of any bolts shall be subsidiary to this Line Item.

6021: Hydraulic Lifting Rams Per Landing (Remove and Install; Any Landing) – Remove existing hydraulic lifting rams (actuator) and hoses and replace with new rams and hoses per project specifications and drawings. Installation of any bolts shall be subsidiary to this Line Item. TxDOT will supply new rams for Contractor to install. Contractor will supply hydraulic hoses and fittings for the new rams. Hoses will meet J1942 specifications or better. Stainless steel crossover tubing shall be removed from the old ram and reinstalled onto the new ram. All bolts are subsidiary to this Line Item. (2 rams per landing, 2 hoses per ram)

6022: Chain Fall Replacement Per Landing (Any Landing) – Unhook the existing chain falls. Replace the shackle-and-pin assemblies supporting the chain falls with new ones that are hot-dipped galvanized. Install new chain falls onto the shackle-and-pin assemblies. Existing chain falls are Chester Zephyr 10-ton manual chain falls with stainless steel lifting chain and aluminum pull chain. Housing and lifting chains shall all be Grade 316 stainless steel (matching existing lengths of chain travel and length). A quantity of (1) for this Line Item equals (2) chain falls.

6023: Guard Rail Replacement Per Landing (Any Landing) – Remove damaged guard rail sections (first ten-foot section, all rails, at the end of the ramp) and replace them with new ones per project drawings. There is a total of (10) rails for each ramp – (5) on the right edge and (5) on the left edge. TxDOT will take possession of all usable rails. Adjacent members damaged during the replacement work shall also be repaired or replaced as necessary. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT Standard Specification Item 445.

Welds and bard surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445. Installation of any bolts shall be in kind and subsidiary to this Line Item.

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6024: Lifting Cable Replacement Per Landing (Any Landing) – Line Item includes (2) lifting cables. Provide and install temporary supports for the landing ramp. Replace the lifting cables with new ones. Apply EAL-type grease (i.e., Panolin Biogrease EP 2 or equivalent) on the new cables. Replace lifting cable bracket plates. Welds and bare surfaces on in-situ steel members shall be coated with Thermal Sprayed Aluminum (TSA) coating. Installation of any bolts shall be subsidiary to this Line Item. Remove the temporary supports. These lifting cables are the cables on the waterside of the ramp connecting to the overhead beams.

6025: Torque Tube Bushing Replacement Per Landing (Any Landing) – Provide and install temporary supports for the landing ramp. Disconnect the lifting cables. Disconnect/remove the torque tube assembly. Remove the existing torque tube bushing members. Install the new torque tube bushing members. Bushing members shall be coated with Thermal Sprayed Aluminum (TSA) coating. Reinstall the torque tube assembly. Reconnect the lifting cables. Remove the temporary supports. Welds and bare surfaces on in-situ steel members shall be coated with Thermal Sprayed Aluminum (TSA) coating. Installation of any bolts shall be subsidiary to this Line Item.

6026: Mooring Ring for 60” Monopile Replacement (Any Landing) – Remove the existing mooring ring assembly and replace with a new mooring ring assembly per project specifications and drawings for any landing. In addition, install UHMW pads at the bottom of the mooring ring assembly. Installation of any bolts shall be subsidiary to this Line Item. New steel members/parts shall be hot-dipped galvanized. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445.

6027: Replace Boat Lift Fender – Replace existing 20” MSO Square O Bore 10’ long rubber fender with new rubber fender per project specifications and drawings. Installation of bolts shall be subsidiary to this Line Item.

6028: Repair Metal Roofing (50 sq. feet) – Replace 50 sq. feet sections of 2 3/8” Grade 316 stainless steel standing seam roof panels for the boat lift or any Landing per project specifications and drawings. Installation of bolts shall be subsidiary to this Line Item.

6029: 60” Diameter x 140’ Length Monopile Replacement (Any Landing) – Remove donut fender assemblies and mooring ring (if applicable), and place in a TxDOT-approved location. Remove the monopile.

If monopile cannot be removed, it can be cut beneath the mud line and slightly relocated with TxDOT Project Manager approval or his Representative. Drive a new 60" diameter monopile at its designated location per the project specifications and drawings. Alternatively, if the new monopile is sufficiently smaller in size than the existing one, the new monopile can be installed in the same location as, and within the inside area of, the cut monopile. Install a new steel cap plate on the monopile. Steel pipe caps shall be 1-inch-thick steel plate. New steel pile and cap plate shall be coated with Thermal Sprayed Aluminum (TSA) coating. TSA coating with a sealer (Carboline 893 or approved equal) shall be applied to the top 50'11" section of the steel pile. Reinstall the donut fender assemblies and mooring ring (if applicable). Installation of any bolts shall be subsidiary to this Line Item. Place new retro-reflective adhesive signs on the new monopile.

6030: 60" Diameter x 20' Length Monopile Extension (Any Landing) – Install a new monopile extension and 1-inch-thick steel cap plate. New steel pile extension and cap plate shall be coated with Thermal Sprayed Aluminum (TSA) coating. Place new retro-reflective adhesive signs on the new monopile extension.

6031: 9'10" Donut Fender Full Replacement (Any Landing/Work Dock) – Replace existing donut fenders (full Donut Fender units) at the inner dolphin position or any work dock position with new Trelleborg Model 60-UHC donut fenders or equivalent. The upper unit donut fender shall have a 70% maximum foam compression with 180 ft-kip minimum energy absorbed and 350 kips maximum reaction. Ferries/vessels shall make contact within the bottom 1/3 section of the new upper unit donut fender assembly. Replace the existing lower unit donut fender (full Donut Fender foam filled flotation unit), at the inner dolphin, with a new foam filled flotation unit. The new upper unit donut fender shall have (2) rows of (18) 24"x3"x2.25" UHMW plastic bearing pads equally distributed along the inner diameter of the core, for a total of (36) pads. The new lower donut fender flotation unit shall have (2) rows of (16) 24"x3"x2.25" UHMW plastic bearing pads equally distributed along the inner diameter of the core, for a total of (32) pads. The steel core shall be coated with Thermal Sprayed Aluminum (TSA) coating. The minimum thickness of the TSA coating shall be 14 mils DFT. Apply anti-fouling (sealant) coating on top of the exposed portion of the TSA coating. All work shall be completed per the project specifications and drawings.

Full replacement shall also include the mooring ring assembly with (8) tie off locations, UHMW wearing pads underneath the mooring ring assembly, composite plastic timber fender elements, UHMW pads attached to the outboard side of the timber fenders, and chain support assemblies with hose protection for the timber fender elements. All items shall be provided and installed by the Contractor. Installation of lag bolts for the UHMW pads at the outboard side of the timber fenders shall be subsidiary to this Line Item. Bolts are 5/8" in diameter, 5" long, Grade 316 stainless steel lag bolts. Each lag bolt shall have a 5/8" Grade 316 stainless steel washer. Ballast is included as per the drawings and specifications.

6032: 13'8" Donut Fender Full Replacement (Any Landing) – Replace existing donut fenders at the intermediate dolphin with new Trelleborg Model 60-UHC donut fenders or equivalent. The upper unit donut fender shall have a 70% maximum foam compression with 700 ft-kip minimum energy absorbed and 1000 kips maximum reaction. Ferries/vessels shall make contact within the bottom 1/3 section of the new upper unit donut fender assembly. Replace the existing lower unit donut fender (full Donut Fender foam filled flotation unit), at the intermediate dolphin, with a new foam filled flotation unit. The new upper unit donut fender shall have (2) rows of (18) 24"x3"x2.25" UHMW plastic bearing pads equally distributed along the inner diameter of the core, for a total of (36) pads. The new lower donut fender flotation unit shall have (2) rows of (16) 24"x3"x2.25" UHMW plastic bearing pads equally distributed along the inner diameter of the core, for a total of (32) pads. The steel core shall be coated with Thermal Sprayed Aluminum (TSA) coating. The minimum thickness of the TSA coating shall be 14 mils DFT. Apply anti-fouling (sealant) coating on top of the exposed portion of the TSA coating. All work shall be completed per the project specifications and drawings. Full replacement shall also include the mooring ring assembly, UHMW wearing pads underneath the mooring ring assembly, composite plastic timber fender elements, UHMW pads attached to the outboard side of the timber fenders, and chain support assemblies with hose protection for the timber fender elements. All items shall be provided and installed by the Contractor. Installation of lag bolts for the UHMW pads at the outboard side of the timber fenders shall be subsidiary to this Line Item. Bolts are 5/8" in diameter, 5" long, Grade 316 stainless steel lag bolts. Each lag bolt shall have a 5/8" Grade 316 stainless steel washer. Ballast is included as per the drawings and specifications.

6033: 9'10" Donut Fender Upper Unit Replacement (Any Landing) – Replace existing upper unit donut fender at the inner dolphin with new Trelleborg Model 60-UHC donut fender or equivalent.

The new unit shall have a 70% maximum foam compression with 180 ft-kip minimum energy absorbed and 350 kips maximum reaction. Ferries/vessels shall make contact within the bottom 1/3 section of the new upper unit donut fender assembly. The new upper unit donut fender shall have (2) rows of (18) 24”x3”x2.25” UHMW plastic bearing pads equally distributed along the inner diameter of the core, for a total of (36) pads. The steel core shall be coated with Thermal Sprayed Aluminum (TSA) coating. The minimum thickness of the TSA coating shall be 14 mils DFT.

Apply anti-fouling (sealant) coating on top of the exposed portion of the TSA coating. All work shall be completed per the project specifications and drawings. Installation of lag bolts shall be subsidiary to this Line Item. Bolts are 5/8” in diameter, 5” long, Grade 316 stainless steel lag bolts. Each lag bolt shall have a 5/8” Grade 316 stainless steel washer. Line Item includes the removal of the mooring ring and its installation onto the replacement unit.

6034: 9’10” Donut Fender Lower Unit Replacement (Any Landing) – Replace existing lower foam filled flotation unit at the inner dolphin with a new foam filled flotation unit. The new unit shall have (2) rows of (16) 24”x3”x2.25” UHMW plastic bearing pads equally distributed along the inner diameter of the core, for a total of (32) pads. The steel core shall be coated with Thermal Sprayed Aluminum (TSA) coating. The minimum thickness of the TSA coating shall be 14 mils DFT. Apply anti-fouling (sealant) coating on top of the exposed portion of the TSA coating. Add ballast plates under the mooring ring per the project specifications and drawings. Installation of bolts shall be subsidiary to this Line Item. All work shall be completed per the project specifications and drawings.

6035: Donut Fender Removal, Clean, Inspect and Repair (Any Landing) – Remove mooring ring assembly, if applicable, and place in a TxDOT-approved location. Remove donut fender assembly and place in a TxDOT-approved location. At the TxDOT-approved location, disconnect the chain assembly (which includes shackles and pad eyes) and plastic timbers (with the UHMW pads) from the donut fender flotation unit. Clean and inspect the flotation unit and bearings. Replace broken or lost pad eyes and UHMW bearings. Repair cracks on and/or penetrations through the metal portion of the donut fender. Reconnect/reinstall the chain assembly and plastic timbers. Waterblast the monopile to remove marine growth, then apply anti-fouling compound. Reinstall the donut fender assembly to the monopile. Reinstall the mooring ring assembly. Installation of any bolts shall be subsidiary to this Line Item.

Replacement of chains and shackles shall be subsidiary to this Line Item and shall be Grade 316 stainless steel. Ballast plates shall be removed, as needed, to correct float height to levels as per the drawings and specifications.

6036: Donut Fender Timber Replacement (12”x12”x5.25’ Timbers, UHMW Pads, and Chain Assembly; Any Landing) – Disconnect/remove and replace damaged chain assembly members, plastic timbers, and UHMW pads in accordance with Trelleborg instructions and/or recommendations. Installation of bolts shall be subsidiary to this Line Item. Bolts are 5/8” in diameter, 7” long, Grade 316 stainless steel lag bolts. Each lag bolt shall have a 5/8” Grade 316 stainless steel washer. If safety is a concern, replacement work may take place in a location approved by the TxDOT Project Manager or his representative.

6037: Donut Fender Timber Replacement (12”x8”x4.75’ Timbers, UHMW Pads, and Chain Assembly; Any Landing) – Disconnect/remove and replace damaged chain assembly members, plastic timbers, and UHMW pads in accordance with Trelleborg instructions and/or recommendations. Installation of bolts shall be subsidiary to this Line Item. Bolts are 5/8” in diameter, 7” long, Grade 316 stainless steel lag bolts. Each lag bolt shall have a 5/8” Grade 316 stainless steel washer. If safety is a concern, replacement work may take place in a location approved by the TxDOT Project Manager or his representative.

6038: Donut Fender UHMW Replacement (Any Landing) – Damaged and/or missing lag bolts (with washer) and UHMW pads shall be replaced in-kind per project specifications and drawings. Bolts are 5/8” in diameter, 7” long, Grade 316 stainless steel lag bolts. Each lag bolt shall have a 5/8” Grade 316 stainless steel washer.

6039: 13’8” Donut Fender Lower Unit Replacement (Any Landing) – Replace existing lower foam filled flotation unit at the intermediate dolphin with a new foam filled flotation unit. The new unit shall have (2) rows of (16) 24”x3”x2.25” UHMW plastic bearing pads equally distributed along the inner diameter of the core, for a total of (32) pads. The steel core shall be coated with Thermal Sprayed Aluminum (TSA) coating. The minimum thickness of the TSA coating shall be 14 mils DFT. Apply anti-fouling (sealant) coating on top of the exposed portion of the TSA coating. Add ballast plates under the mooring ring per the project specifications and drawings. Installation of bolts shall be subsidiary to this Line Item. All work shall be completed per the project specifications and drawings.

6040: Replace Wing Wall Timbers and UHMW Pads (Any Landing) – Replace existing 12”x12”x16’ composite plastic timber fender elements and 2”x12”x16’ UHMW plastic facing with new elements.

Installation of bolts shall be subsidiary to this Line Item. Bolts for the timber fender elements are A307, galvanized, 3/4" in diameter, and each bolt shall have a 3/4" galvanized washer. For the UHMW pads, bolts are 13" in length x 1/2" in diameter, Grade 316 stainless steel, and each bolt shall have a 1/2" Grade 316 stainless steel washer. All work shall be completed per project specifications and drawings. Line item is per each timber with UHMW pad.

6041: Replace Wing Wall UHMW Pads (Any Landing) – Replace existing 2"x12"x16' UHMW plastic facing with new elements. Installation of bolts shall be subsidiary to this Line Item. Bolts are 13" in length x 1/2" in diameter, Grade 316 stainless steel. Each bolt shall have a 1/2" Grade 316 stainless steel washer. All work shall be completed per project specifications and drawings. Line item is per each UHMW pad.

6042: Outer Dolphin Replacement (Type II; Any Landing) – This Line Item pertains to an updated design of an Outer Dolphin, not the existing Type II Outer Dolphin mentioned in Line Item 7146-6044. Drive three new 42" diameter plumb piles behind the Type I outer dolphin. Weld steel ¾" thick cap plates on the three piles. Remove the existing 36" diameter fender piles and fender panel assemblies. 16" pin piles will remain in place. They are out of the footprint of new pile. Remove the existing leg fenders. Remove the leg fender mounting brackets and grind smooth the surface of the MC18 perimeter framing of the concrete diaphragm at these locations. Remove the hold down bar assemblies and pile caps at the four existing reaction piles. Weld pile extensions, with steel ¾" pile caps, on the four existing reaction piles. Extend the navigation aide steel pipe support and relocate the control box as necessary. Remove the existing guard rails and ladder rails that extend above the concrete diaphragm. Grind smooth the surface of the MC18 perimeter framing of the concrete diaphragm at these locations. Install the Type II outer dolphin steel framing, which is prefabricated offsite, on top of the Type I outer dolphin concrete diaphragm and weld it to the MC18 perimeter framing of the concrete diaphragm. Weld new fender mounting plates. Weld new hold down bar assemblies on the pile extensions and the three new 42" diameter piles. Install steel grating on the steel framing. Cut/trim steel grating to fit. Install the new ladder assembly, ladder walkway, and new guard rails. Remove the rest of the original ladder assembly. Install new 18" diameter fender piles. Install the new fender panel assemblies, which are prefabricated offsite. Secure the fender panel assemblies to the fender piles via steel pipe shear lugs.

Install new rubber cone fenders between the new fender panel assemblies and new fender mounting plates. Install fender chain assemblies—link chains, chain tensioners, shackles with pins, and steel brackets for the chain assemblies. Installation of any bolts shall be subsidiary to this Line Item. New steel members/parts, with the exception of steel piles, shall be hot-dipped galvanized. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445. Steel pipe piles, on the other hand, shall be coated with Thermal Sprayed Aluminum (TSA) coating. Contractor to verify dimensions and clearances prior to commencing work. Contractor's sequence of work shall be submitted to the TxDOT Project Manager for approval prior to beginning work. Field adjustments shall only be done with the written approval of the TxDOT Project Manager. All work shall be completed per project specifications and drawings.

6043: Fabricate and Install Handrail on (1) Outer Dolphin or Wing Wall (Any Landing) – Remove damaged and/or severely corroded handrails and replace with new ones per project drawings. Adjacent members damaged during the replacement work shall also be repaired or replaced as necessary. Installation of any bolts shall be subsidiary to this Line Item. New steel members/parts shall be hot-dipped galvanized.

Bolts shall be Grade 316 stainless steel. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445.

6044: Outer Dolphin Repair (Type II) – Outer Dolphin Type II has three separate fender systems: one at the front of the outer dolphin (directly outboard) and one at each side. The side fender systems are mirror images of each other. This Line Item covers the fender panel assembly and its support structures at either side of the outer dolphin. Installation of any bolts shall be subsidiary to this Line Item. New steel members/parts, with the exception of the steel fender piles, shall be hot-dipped galvanized. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445. Steel fender piles, on the other hand, shall be coated with Thermal Sprayed Aluminum (TSA) coating with sealer (Carboline 893 or approved equal). If safety is a concern, some of the repair work may take place in a location approved by the TxDOT Project Manager or his representative.

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6045: Outer Dolphin Repair (Type I) – This Line Item covers repairs for the typical Outer Dolphin Type I fender system, which includes the steel pin pile, steel fender pile, fender panel assembly and attachments, rubber fender, and support chains. Installation of any bolts shall be subsidiary to this Line Item. New steel members/parts, with the exception of steel piles, shall be hot-dipped galvanized. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445. Steel pipe piles, on the other hand, shall be coated with Thermal Sprayed Aluminum (TSA) coating with sealer (Carboline 893 or approved equal). If safety is a concern, some of the repair work may take place in a location approved by the TxDOT Project Manager or his representative. If the 16" pin piles cannot be removed a 130'x36" pile may be driven over the existing pin pile.

6046: Replace Navigation Lights Per Landing (Any Landing, Bolivar Navigation Towers, or Work Dock) – Replace existing navigation lights with new Sealite navigation lights manufactured by Sealight USA, Light #: SL-70-W (flash rate-fixed/steady burn), which uses an SL-70-W battery (B-NiMH-3.6V 8 Ah with bird spike SL-70-W). Each timeline item is initiated contractor will replace 2 existing lights per project specifications and drawings for any landing, Bolivar navigation towers, or Work Docks. Installation of any bolts and light fixtures/assemblies shall be subsidiary to this Line Item. New steel members/parts shall be hot-dipped galvanized.

Bolts shall be Grade 316 stainless steel. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT Standard Specification Item 445. (Unit quantity of 1 each corresponds to 2 lights)

6047: Fabricate and Install Ladders on Outer Dolphin or Navigation Tower (Any Landing, or Bolivar Navigation Towers) – Remove ladder sections/members and replace with new ones per project drawings. Adjacent members damaged during the replacement work shall also be repaired or replaced as necessary. Installation of any bolts shall be subsidiary to this Line Item. New steel members/parts shall be hot-dipped galvanized. Welds and bare surfaces on in-situ steel members shall be cold-galvanized in accordance with TxDOT 2014 Standard Specification Item 445.

6048: Replace Adhesive Sign Per Landing (Any Landing) – Line Item includes (1) sign. Replace damaged and/or missing retro-reflective adhesive sign with new sign per project specifications and drawings for Any Landing/Work Dock. TxDOT will provide the signs. Signs are located on both the starboard side and port side of each slip entry.

Signs shall be installed by bolting to UHMW pads or by Stainless Steel Straps around Monopile. Both Bolts and Straps are considered subsidiary to this line item.

6049: Replace Slow Bell Sign Per Landing (Any Landing) – Line Item includes (1) sign. Replace damaged and/or missing "Slow Bell" sign with new sign per project specifications and drawings for Any Landing/Work Dock. TxDOT will provide the signs. Signs are located on both the starboard side and port side of each slip entry. Signs shall be installed by bolting to UHMW pads or by Stainless Steel Straps around Monopile. Both the Bolts and Straps are considered subsidiary to this line item.

6050: Replace Landing Utility Raceway Supports Brackets on #1, #4, and #6 Landings (Per Bracket) – Replace existing utility raceway support brackets with newly fabricated stainless steel support brackets for Landings #1, #4, and #6. Landing #1 will require two (2) brackets, landing #4 will require two (2) brackets, and landing #6 will require two (2) brackets. The new brackets will be bolted in place where the original brackets were located. TxDOT will supply the new support brackets. Installation or replacement of any bolts, replacement of anchor support bracket bolts and nuts, any modifications to brackets shall be subsidiary to this Line Item. Use hot-dipped galvanized anchor studs, bolts, washers, and lock washers.

6051: Replace Landing Utility Raceways (Total of 120 Linear Feet) – Replace existing utility raceways with newly fabricated stainless-steel raceways for Landings #1, #4, and #6. Landing #1 will require forty (40) linear feet of raceway, landing #4 will require forty

(40) linear feet of raceway and landing #6 will require forty (40) linear feet of raceway. Raceways will rest on existing support brackets located on the north and south side of the landings. TxDOT will supply the raceways. Installation or replacement of any bolts or nuts shall be subsidiary to this Line Item. Apply anti-corrosion coating (cold galvanize spray or brush on) on welds (if applicable).

6052: Repair Raceway Support Brackets on Any Landing (Per Bracket) – Raceway support brackets will be removed, recoated with Thermal Sprayed Aluminum (TSA) coating, and reinstalled. All nuts and anchor bolts shall be galvanized, and installation will be subsidiary to this Line Item. Provide temporary supports as needed.

6053: Install Shore Power on Anyone Landing/Work Dock – Contractor will supply stainless steel Electrical Control Box to support 480-volt shore power to Landing as outlined in the contract.

In addition, Contractor will supply Meltric Connector DR200 inlet (male), plug parts #37-28043-972-4x, 200A, 480V, 3P+G+2AUX, Type 4X with metal tightening straps on each side (set at the 15-set point), including oversized metal handle with 2" NPT, part #795P0N20, and aluminum cord grip with aluminum mesh, part #CG2002AM. All cabling from power source (power source to be determined by TxDOT) to Control Box at each landing, all cabling from Control Box to South Landing Tower or South A-Frame Tower cable hanging brackets shall be in approved conduit. At this point (determined by TxDOT), enough cable to reach shore power connection on vessel will be looped onto hanging bracket mounted by TxDOT and Metric Male Plug installed at end run of cabling. Cables shall be 2/0 with 2/aux.

6054: Move Contact Surface of Wing Wall (Landings #1, #4, or #6) – Remove the 12"x12"x16' composite plastic timber fenders and 6"x8"x1'-0" composite plastic timber spacer blocks and place them in a TxDOT-approved location. If still functional, the 2"x12"x16' UHMW plastic facing elements do not need to be detached from the timber fenders. All non-functional and/or severely damaged timber fenders and UHMW plastic facing elements shall be discarded and replaced. Attach a new wide flange steel beam member (W6x25 for the wingwalls at Landing #6 and W18x97 for the wingwalls at Landings #1 and #4), with steel plate stiffeners and protective coating, onto each W30x99 wale beam via a bolted connection. The new wide flange steel beam members shall also have predrilled holes matching the attachment points for the timber fenders. All remaining bare steel surfaces shall be cold galvanized in accordance with TxDOT 2014 Standard Specification Item 445. Remove all marine growth, clean, then install the plastic timber fenders (with the UHMW plastic facing elements attached) and plastic timber spacer blocks to the new steel beam members. Installation of bolts shall be subsidiary to this Line Item.

Bolts for the timber fender elements are A307, galvanized, 3/4" in diameter, and each bolt shall have a 3/4" galvanized washer. For the UHMW facing elements, bolts are 13" in length x 1/2" in diameter, Grade 316 stainless steel, and each bolt shall have a 1/2" Grade 316 stainless steel washer. This Line Item is per landing.

6055: Remove Unutilized Monopile and Donut Fenders – Monopiles and donut fenders that are not being used shall be removed from the slips per the direction of TxDOT. Monopiles shall be pulled out and become the property of the Contractor, unless otherwise notified by TxDOT. If the pile cannot be pulled out by any means, cut the pile five feet below the mudline, and deliver the cut pile to an approved disposal area.

Donut fenders that are still useable, as determined by TxDOT, shall either be relocated to a different monopile dolphin location or stored in a TxDOT-approved location. TxDOT shall determine where the useable donut fenders shall be placed. Donut fenders that are damaged, unusable, and/or beyond repair, on the other hand, shall be disposed of at an approved location. Installation of any bolts shall be subsidiary to this Line Item.

6056: 13'8" Donut Fender Upper Unit Replacement (Any Landing) – Replace existing upper unit donut fender at the intermediate dolphin with new Trelleborg Model 60-UHC donut fender or equivalent. The new unit shall have a 70% maximum foam compression with 700 ft-kip minimum energy absorbed and 1000 kips maximum reaction. Ferries/vessels shall make contact within the bottom 1/3 section of the new upper unit donut fender assembly. The new upper unit donut fender shall have (2) rows of (18) 24"x3"x2.25" UHMW plastic bearing pads equally distributed along the inner diameter of the core, for a total of (36) pads. The steel core shall be coated with Thermal Sprayed Aluminum (TSA) coating. The minimum thickness of the TSA coating shall be 14 mils DFT. Apply anti-fouling (sealant) coating on top of the exposed portion of the TSA coating. All work shall be completed per the project specifications and drawings. Installation of lag bolts shall be subsidiary to this Line Item. Bolts are 5/8" in diameter, 5" long, Grade 316 stainless steel lag bolts. Each lag bolt shall have a 5/8" Grade 316 stainless steel washer. Line Item includes the removal of the mooring ring and its installation onto the replacement unit.

6057: Replace Old Style Landing Rockers Per Landing (Landings #1, #4, or #6) – Provide and install temporary supports for the concrete counterweight block (at both sides of the landing ramp). While fully supporting the landing ramp (i.e., by crane), detach the lifting steel cables and remove the landing ramp hinge shaft. Remove the landing ramp assembly and place it in a TxDOT-approved location. Remove the old-style landing rockers (14 total) and replace them with new ones that are fully cylindrical. Apply EAL-type grease (i.e., Panolin Biogrease EP 2 or equivalent) on the new rockers.

The landing ramp assembly shall be modified as necessary to accommodate the new rockers. Reposition the landing ramp assembly and reinstall a new hinge shaft, which shall be made of non-corroding material. Apply EAL-type grease (i.e., Panolin Biogrease EP 2 or equivalent) on the new hinge shaft as well. Members damaged during the rocker replacement work shall also be repaired or replaced as necessary. Reattach the lifting steel cables, then remove the temporary supports. Installation of any bolts shall be subsidiary to this Line Item. Work shall be in accordance with TxDOT Standard Specifications 2014, Items 445 and 446.

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6058: Install New Bolts for Any Landing Cover Plates Per Landing – Remove and replace the existing bolts for the steel plates covering the joint/transition area between the landing ramp steel grating and the adjacent concrete deck. Bolts are 7.5”x3/4” UNC Grade 316 stainless steel bolts. The threaded section at each bolt is 1.5” long. Each bolt shall have a Grade 316 stainless steel washer. There are (3) 9’1/2”x24” steel cover plates per landing and each cover plate have (18) bolts. All bolts shall be replaced at each landing. Tighten/torque the bolts to 131 ft-lbs. This Line Item also includes the installation/application of removable lock tight on the bolt threads.

6059: Repair Top Seal of Donut Fender (Maintenance Item) – Remove the donut fenders (upper and lower unit) and all fender attachments from the monopile and place them in a TxDOT-approved location. Detach all elements connected to the donut fenders as necessary. Clean the donut fenders. Reapply/repair sealant on the donut fenders per the manufacturer’s recommendations. Reinstall the donut fenders, including all fender attachments, to the monopile. Installation of any bolts shall be subsidiary to this Line Item.

6060: Counterweight Tower Leg Repair Per Landing (Landings #1, #4, or #6) – Provide and install temporary supports for the counterweight tower, concrete counterweight block, and landing ramp. Detach the lifting steel cables from the concrete counterweight block. Remove/cut the structurally deficient sections of the counterweight tower legs. Remove all attachments within the repair area prior to cutting. Splice new steel members/sections in the cut area via welding (at Landing #4, as an alternative, splicing can be performed via bolted connection; see drawings for connection details). Reattach all previously removed attachments. Reattach the lifting steel cables, then remove the temporary supports. Counterweight tower members damaged during the repair work shall be repaired or replaced as necessary. Welds and bare steel surfaces shall be cold galvanized in accordance with TxDOT 2014 Standard Specification Item 445. Installation of any bolts shall be subsidiary to this Line Item.

6061: Remove/Refurbish Unutilized Counterweight Tower Members and/or Attachments Per Landing (Landings #1, #4, or #6) – Provide and install temporary supports for the counterweight tower, concrete counterweight block, and landing ramp as needed. Remove tower members and/or attachments, such as hangers, pad eyes, brackets, that are no longer needed as determined by TxDOT. Members not included for removal that are damaged during the refurbishment work shall be repaired or replaced as necessary. Remove all temporary supports.

Steel surfaces and welds made bare by the removal/refurbishment work, as well as from any related repair work, shall be cold galvanized in accordance with TxDOT 2014 Standard Specification Item 445. Installation of any bolts shall be subsidiary to this Line Item.

6062: Install TxDOT-provided Timber Fenders Per Dolphin – Remove and replace damaged timber fenders with TxDOT-provided timber fenders. The replacement fenders can either be new or salvaged. Replacement of UHMW wearing pads, which shall be provided and installed on the timber fenders by the Contractor, and the installation of lag bolts for the UHMW pads at the outboard side of the timber fenders shall be subsidiary to this Line Item. Bolts are 5/8" in diameter, 7" long, Grade 316 stainless steel lag bolts. Each lag bolt shall have a 5/8" Grade 316 stainless steel washer. If safety is a concern, the donut fenders can be removed from the monopile and placed in a TxDOT-approved location where the installation of new timber fenders can be performed.

6063: Replace/Retrofit Spring Box (Landings #1, #4, or #6) – Provide and install temporary supports for the concrete counterweight block (at both sides of the landing ramp). While fully supporting the landing ramp (i.e., by crane), remove the landing ramp hinge shaft. Remove the landing ramp assembly and place it in a TxDOT-approved location. Remove the old hinge shaft base plates (7 total per landing). Replace base plate anchor bolts as needed. Install new style hinge shaft base plates per project specifications and drawings. Apply EAL-type grease (i.e., Panolin Biogrease EP 2 or equivalent) on the steel springs. Reposition the landing ramp assembly and reinstall a new hinge shaft. Apply EAL-type grease (i.e., Panolin Biogrease EP 2 or equivalent) on the new hinge shaft. Members damaged during the replacement work shall also be repaired or replaced as necessary. Remove the temporary supports. Installation of bolts shall be subsidiary to this Line Item. In case new base plate anchor bolts are needed to be installed, perform this Line Item in conjunction with Line Item 7146-6016. With the exception of the hinge shaft and steel springs, which will be greased, clean and cold-galvanize welds and bare surfaces. Work shall be in accordance with Standard Specifications TxDOT 2014, Items 445 and 446.

6064: Relocate Pair of Donut Fenders (Upper Unit and Lower Unit) – This Line Item covers the relocation/swapping of donut fenders between monopile dolphin locations. Donut fenders shall be relocated in pairs (upper and lower unit) and the monopile dolphins involved in the relocation shall be determined by TxDOT.

Elements to be relocated include all attachments to the donut fenders, such as mooring ring assemblies, timber fender assemblies, and chain assemblies.
Items damaged during the relocation shall be repaired or replaced as necessary. Do not reinstall damaged donut fenders and fender attachments. Installation of any bolts shall be subsidiary to this Line Item.

6065: Repair Donut Fender Lower Unit (9'10" and 13'8") – Remove the donut fenders (upper and lower unit) and all fender attachments from the monopile and place them in a TxDOT-approved location. Detach all elements connected to the donut fender lower unit. Clean the donut fender lower unit and inspect for bearing damage, damage/cracks on the floatation component, loss of coating, weld damage, and missing elements. Replace or repair bearings, seal cracks, reapply coating, repair welds, and replace missing parts as necessary. Minor repairs shall be performed at the TxDOT-approved location. For major repairs, as determined by TxDOT or TxDOT Representative, the donut fender shall be sent to the manufacturer for refurbishment. If the manufacturer determines that the donut fender is not repairable, it shall be discarded. Donut fender lower units that are repaired, as well as all attachments and the corresponding donut fender upper units, shall be reinstalled on the monopiles. Installation of any bolts shall be subsidiary to this Line Item.

6066: Shore Power Maintenance/Repair – Perform maintenance on, repair, and/or replace shore power components per the manufacturers' recommendations. Ensure components are de-energized prior to performing any work. Only use equipment, materials, and procedures approved and/or recommended by the components' manufacturer(s). Structures, support members, and other components not included in this Line Item that are damaged during the maintenance/repair/replacement work shall be repaired or replaced as necessary. Steel surfaces and welds made bare by the work covered in this Line Item, as well as from any related repair work, shall be cold galvanized in accordance with TxDOT 2014 Standard Specification Item 445. Installation of any bolts shall be subsidiary to this Line Item.

6067: Complete Replacement of Outer Dolphin – Remove handrails, ladder, and navigation aids. Remove fender panels, including all mounting hardware. Remove rubber fenders. Remove/demolish the dolphin deck/platform.

Whenever possible, completely remove all existing piles. Otherwise, cut the piles at least fivefeet below the mudline. Ensure all cut piles are permanently and completely plugged or covered. Install the new outer dolphin.

6068: Apply protective coating on one third (1/3) of the total area (or length) of the wall, on both sides and/or as designated by TxDOT, including the steel cap plates for the steel pipe piles and all exposed welds. Apply coating down -2 FT of Tide Line. The type of coating to use should have adequate anticorrosive properties, can be applied on wet surfaces, and not harmful to the marine environment, such as BIO-DUR 560 epoxy coating (manufactured by Thin Film Technology, Inc.) or an equivalent protective coating product. Surface preparation for the combi wall shall be in accordance with the protective coating manufacturer's instructions/recommendations.

6069: Refurbish A-frame Counterbalance Structure (Any Landing) – Provide and install temporary supports for the landing ramp and the A-frame counterweight beams (at both sides of the landing ramp). Disconnect all mechanical and electrical connections. Remove the chain falls and drag link assemblies/lifting cables in accordance with Line Items 6022 and 6024, respectively, and store in a TxDOT-approved location. Remove the lower pintle bearing assemblies and landing ramp assembly in accordance with Line Items 6071 and 6072, respectively. Detach the hydraulic lifting rams, including all connected hoses, in accordance with Line Item 6021. Remove the torque tube assembly between the counterweight beams in accordance with Line Item 6025. Remove the counterweight beams and store in a TxDOT-approved location. Remove the upper pintle bearing assemblies in accordance with Line Item 6070. Remove the A-frame structure and place in a TxDOT-approved location. All components that were removed shall be completely disassembled, inspected, replaced (as required/needed), and recoated (as needed) in accordance with their respective Line-Item procedures, specifications, and/or drawings. Install a fully coated refurbished A-frame structure. Install new upper pintle bearing assemblies in accordance with Line Item 6070. Install/re-install the counterweight beams. Install/reinstall the torque tube assembly between the counterweight beams in accordance with Line Item 6025. Install/re-install the hydraulic lifting rams and all associated hoses in accordance with Line Item 6021. Install new lower pintle bearing assemblies in accordance with Line Item 6071. Install/re-install the land ramp assembly in accordance with Line Item 6072. Install new bolts for the landing ramp cover plates in accordance with Line Item 6058. All damaged guard rails shall be replaced in accordance with Line Item 6023. Install/re-install the drag link assemblies/lifting cables in accordance with Line Item 6024.

Attach/re-attach the chain falls in accordance with Line Item 6022. Reconnect all mechanical and electrical connections. Remove the temporary supports.

Members/components damaged during the refurbishment work shall be repaired or replaced as necessary. Installation of any bolts shall be subsidiary to this Line Item. Work shall be in accordance with TxDOT Standard Specifications 2014, Items 445 and 446. All electrical and hydraulic removal and reinstallation shall be subsidiary to this Line Item.

6070: Upper Pintle Bearing Replacement at A-frame Counterbalance Structure (Any Landing) – Provide and install temporary supports for the landing ramp. While fully supporting the A-frame counterweight beams (i.e., by crane), remove both drag link assemblies from the counterweight beams. Detach both actuator rods from their respective clevis assembly and securely strap the actuator cylinders to the A-frame. Detach the torque tube assembly from the counterweight beams. Detach the counterweight beams from their respective pintle bearing carriers and place them in a TxDOT-approved location. Remove the pintle bearing carriers, pintle bearing sockets, pintle retainers, and pintles. Inspect all pintle bearing components. All inspection findings shall be presented in a report and submitted to TxDOT. The entire upper pintle bearing assembly shall be replaced, including the pintle bearing carriers, pintle bearing sockets, pintle retainers, and pintles. All replacement members and/or parts shall be subsidiary to this line item and shall be hot-dipped galvanized as required. Reinstall the pintles and pintle retainers. Reinstall the pintle bearing sockets and pintle bearing carriers. Reinstall the counterweight beams. Reinstall the torque tube assembly between the counterweight beams. Reattach the actuator rods to their corresponding clevis assembly. Reinstall the drag link assemblies to the counterweight beams. Members damaged during the refurbishment work shall also be repaired or replaced as necessary. Remove the temporary supports. Installation of any bolts shall be subsidiary to this Line Item. Work shall be in accordance with TxDOT Standard Specifications 2014, Items 445 and 446. All electrical and hydraulic removal and reinstallation shall be subsidiary to this Line Item.

6071: Lower Pintle Bearing Replacement at A-frame Counterbalance Structure (Any Landing) – Provide and install temporary supports for the A-frame counterweight beams (at both sides of the landing ramp). While fully supporting the landing ramp (i.e., by crane), detach both drag link assemblies from the landing ramp, then remove the transition plates located at the back of the landing ramp. Remove the pintle bearing mounting brackets. Detach the landing ramp assembly from the pintle bearing carriers and place it in a TxDOT-approved location.

Remove the pintle bearing carriers, pintle bearing sockets, pintle retainers, and pintles. Inspect all pintle bearing components. All inspection findings shall be presented in a report and submitted to TxDOT.

The entire lower pintle bearing assembly shall be replaced, including the mounting brackets, pintle bearing carriers, pintle bearing sockets, pintle retainers, and pintles.

All replacement members and/or parts shall be subsidiary to this line item and shall be hot-dipped galvanized as required. Reinstall the pintles and pintle retainers. Reinstall the pintle bearing sockets and pintle bearing carriers. Reposition the landing ramp assembly and reinstall the pintle bearing mounting brackets, drag link assemblies, and the transition plates at the back of the landing ramp. Members damaged during the refurbishment work shall also be repaired or replaced as necessary. Remove the temporary supports. Installation of any bolts shall be subsidiary to this Line Item. Work shall be in accordance with TxDOT Standard Specifications 2014, Items 445 and 446. All electrical and hydraulic removal and reinstallation shall be subsidiary to this Line Item.

6072: Landing Ramp Refurbishment Per Landing (Any Landing) – Provide and install temporary supports for the A-frame counterweight beams (at both sides of the landing ramp). While fully supporting the landing ramp (i.e., by crane), detach both drag link assemblies from the landing ramp, then remove the transition plates located at the back of the landing ramp. Remove the pintle bearing mounting brackets. Detach the landing ramp assembly from the pintle bearing carriers and place it in a TxDOT-approved location. At the TxDOT-approved location, inspect the landing ramp assembly and make any necessary repairs or replacement on up to 50% of ramp. All replacement members and/or parts shall be subsidiary to this line item and shall be hot-dipped galvanized. Recoat entire ramp as required. Welds and bare surfaces on in-situ steel members shall be cold-galvanized. Reposition the landing ramp assembly and reinstall the pintle bearing mounting brackets, drag link assemblies, and the transition plates at the back of the landing ramp. Members damaged during the refurbishment work shall also be repaired or replaced as necessary. Remove the temporary supports. Installation of any bolts shall be subsidiary to this Line Item. Work shall be in accordance with TxDOT Standard Specifications 2014, Items 445 and 446. All electrical and hydraulic removal and reinstallation shall be subsidiary to this Line Item.

6073: Wing Wall Replacement – TBD

Project Number: RMC 6428-78-001

County: Galveston

Highway: SH 87

Control: 6428-78-001

6074: Replace Deteriorated or Damaged Security Booth – Disconnect all electrical and mechanical connections at the security booth/guard shack. Remove all items inside the shack that are not permanently attached/secured to the building and store them in a TxDOT-approved location.

Remove all electrical and mechanical equipment, including light fixtures, electrical panel enclosures, and heating/cooling units, and store or dispose of them in a TxDOT-approved location. Remove other miscellaneous items attached to the building, such as fire extinguishers and first aid cabinet, and store them in a TxDOT-approved location. Remove the countertop table. Remove the door

Disassemble and remove the prefabricated fiberglass building, including the glass windows and flooring, in accordance with the manufacturer's instructions /recommendations. Inspect all the support and ancillary structures/items for the security booth, including the handrails, stairway assembly, metal mesh at various locations, building support columns and framing, fiberglass panel skirt surrounding the building support framing and columns, and steel plate flooring at the top of the stairway, and replace all that are damaged. Apply protective coating on all steel elements. Apply the appropriate sealants where the new building floor will be located. Assemble and install the new prefabricated fiberglass building, including the glass windows and flooring, in accordance with the drawings and manufacturer's instructions. The new building shall be weatherproof and rated for a wind speed of 150 mph. Exterior color of the building shall be white, and the interior color shall be light beige/brown. Install the door. The door shall be heavy-duty, weatherproof, and rated for a wind speed of 150 mph. Note that the door for all security booths/guard shacks shall be keyed the same. Install a new countertop table per the drawings. Install new electrical and mechanical equipment per the drawings. Install/re-install other miscellaneous items, such as fire extinguishers and first aid cabinet, per the drawings. Air conditioning unit for the security booth/guard shack shall be a Friedrich air conditioning window unit, Model no. KEL36A35A-C, Serial no. 2003M90902, with a cooling capacity of 35,000 BTU. Any changes to the specified air conditioning unit shall be per TxDOT approval. Hole through the wall of the booth, where the air conditioning unit will be installed, shall be 20 ¼" high by 28" wide. Installation of any bolts and replacement of all damaged electrical conduits, electrical cables, waterlines if applicable, and mounting hardware are subsidiary to this Line Item. Note that mounting hardware also includes all necessary support brackets for the air conditioning unit as well as reinforcing elements/materials for the hole on the booth's wall where the air conditioning unit will be installed. Reconnect all electrical and mechanical connections.

Project Number: RMC 6428-78-001

County: Galveston

Highway: SH 87

Control: 6428-78-001

6075: Bus Shelter Replacement – The existing bus shelter shall be removed in one piece. Unfasten the anchor baseplates from their ground supports and lift the entire shelter via the permanently attached lifting rings.

Replace the bus shelter in kind. Securely fasten the anchor baseplates of the new shelter to their respective ground supports, replacing deteriorated ground fasteners as needed. Replacement of ground fasteners is subsidiary to this Line Item.

6076: Bottom Survey at Galveston and Bolivar – Perform bathymetric surveys of the mudline at each Slip, at both Galveston and Bolivar, and the Maintenance Dock at Galveston. Survey data and drawings shall be presented in a report and submitted to TxDOT. This line item, when completed, will include all areas shown on Sheets G-003 and G-004.

6077: Bucket Dredging (Up To 50 Cubic Yards) – TxDOT shall direct the dredging contractor where to dredge. All dredged materials shall be delivered to a private disposal site. Dredging operations shall follow all regulatory requirements. This line item will be used as needed and will specify the volume needed to maintain operations.

6078: Replace Monopile Top, Including Light Bracket – If present, remove the light fixture and all associated components and store them in a TxDOT-approved location. If necessary, remove the mooring ring assembly and upper donut fender unit and store them in a TxDOT-approved location. Cut and remove the top 3” portion of the monopile that needs replacement. Weld a new steel cap plate. If applicable, install new support brackets on the cap plate for the light fixture and its components. Apply protective coating on all exposed bare steel elements and welds. Replace the retro-reflective adhesive sign at the top portion of the monopile in kind. If previously removed, re-install the upper donut fender unit and mooring ring assembly. If applicable, reinstall the light fixture and all associated components. Installation of any bolts and replacement of damaged light fixture, electrical conduits, electrical cables, and mounting hardware are subsidiary to this Line Item.

6079: Outer Dolphin Replacement (Type III) – Perform the demolition activities described in Line Item 6067 prior to starting any of the work in this Line Item. Install the 60” diameter steel pipe monopiles for the donut fender assemblies. Install the steel pipe reaction pile. Pile installation locations shall be in accordance with the drawings.

In instances where the existing/original outer dolphin piles are cut instead of fully extracted, adjust the locations of the new piles, while maintaining their spacing from one another per the drawings and as approved by TxDOT, to miss the existing/original piles. Install steel cap plates on top of all the piles. At each cap plate, install the lower portion of the bolted connection assembly for the structural steel brace framing.

Apply protective coating on all bare steel surfaces and welds. Install all lower donut fender units/assemblies and all associated elements, connections, and/or hardware, including UHMW-PE pads that will be attached to the monopiles. Install all upper donut fender units/assemblies and all associated elements, connections, and/or hardware, including UHMW-PE pads that will be attached to the monopiles. Secure the connections between the upper and lower donut fender units/assemblies. Install the mooring ring assembly on top of each upper donut fender unit/assembly. Install the upper portion of the structural steel brace framing. Fasten the two portions of the structural steel brace framing together via bolted connection. Attach a “Slow Bell” sign at the top portion on the outermost face/surface of the outermost monopile (relative to shore/land).

Install light fixtures/navigation lights, including all associated components and support hardware, on top of the structural steel brace framing as required. Installation of any bolts, electrical components, and mounting hardware are subsidiary to this Line Item.

6080: Remove, Clean, Inspect, Repair Type III Outer Dolphin – TBD

6081: Steel Bracket Replacement at Landing Ramp Framing – TBD

CONTROL : 6428-78-001
PROJECT : RMC - 642878001
HIGHWAY : SH0087
COUNTY : GALVESTON

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

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

SPECIAL PROVISION "NONDISCRIMINATION" (000---002)
SPECIAL PROVISION "CERTIFICATE OF INTERESTED PARTIES (FORM 1295)" (000--1019)
SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000--1243)
SPECIAL PROVISION "NOTICE OF CONTRACTOR PERFORMANCE EVALUATIONS" (000---659)
SPECIAL PROVISIONS TO ITEM 2 (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---010)(007---011)
SPECIAL PROVISIONS TO ITEM 8 (008---030)(008---033)
SPECIAL PROVISIONS TO ITEM 9 (009---010)(009---011)

SPECIAL SPECIFICATIONS:

ITEM 7009 MOBILIZATION OF MARINE OPERATIONS AND SYSTEM REPAIR
ITEM 7102 RELOCATION OF MARINE REPAIR E QUIPMENT
ITEM 7146 FERRY LANDING MAINTENANCE

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 SPECIFICATIONS FOR THIS PROJECT.

CHILD SUPPORT STATEMENT

Under Section 231.006, Family Code, the vendor or applicant certifies that the individual or business entity named in this contract, bid, or application is not ineligible to receive the specified grant, loan, or payment and acknowledges that this contract may be terminated and payment may be withheld if this certification is inaccurate.

CONFLICT OF INTEREST CERTIFICATION

Pursuant to Texas Government Code Section 2261.252(b), the Department is prohibited from entering into contracts in which Department officers and employees have a financial interest.

By signing the Contract, the Contractor certifies that it is not prohibited from entering into a Contract with the Department as a result of a financial interest as defined under Texas Government Code Section 2261.252(b), and that it will exercise reasonable care and diligence to prevent any actions or conditions that could result in a conflict of interest with the Department.

The Contractor also certifies that none of the following individuals, nor any of their family members within the second degree of affinity or consanguinity, owns 1% or more interest or has a financial interest as defined under Texas Government Code Section 2261.252(b) in the Contractor:

- Any member of the Texas Transportation Commission; and
- The Department's Executive Director, General Counsel, Chief of Procurement and Field Support Operations, Director of Procurement, and Director of Contract Services.

Violation of this certification may result in action by the Department.

E-VERIFY CERTIFICATION

Pursuant to Texas Transportation Code §223.051, all TxDOT contracts for construction, maintenance, or improvement of a highway must include a provision requiring Contractors and subcontractors to use the U.S. Department of Homeland Security's E-Verify system to determine employment eligibility. By signing the contract, the Contractor certifies that prior to the award of the Contract:

- the Contractor has registered with and will, to the extent permitted by law, utilize the United States Department of Homeland Security's E-Verify system during the term of the Contract to determine the eligibility of all persons hired to perform duties within Texas during the term of the agreement; and
- the Contractor will require that all subcontractors also register with and, to the extent permitted by law, utilize the United States Department of Homeland Security's E-Verify system during the term of the subcontract to determine the eligibility of all persons hired to perform duties within Texas during the term of the agreement.

Violation of this requirement constitutes a material breach of the Contract, subjects a subcontractor to removal from the Contract, and subjects the Contractor or subcontractors to possible sanctions in accordance with Title 43, Texas Administrative Code, Chapter 10, Subchapter F, "Sanctions and Suspension for Ethical Violations by Entities Doing Business with the Department."

Certification Regarding Disclosure of Public Information

Pursuant to Subchapter J, Chapter 552, Texas Government Code, contractors executing a contract with a governmental body that results in the expenditure of at least $1 million in public funds must:

1) preserve all contracting information* as provided by the records retention requirements applicable to Texas Department of Transportation (TxDOT) for the duration of the contract,
2) on request of TxDOT, promptly provide any contracting information related to the contract that is in the custody or possession of the entity, and
3) on completion of the contract, either:
    A. provide, at no cost to TxDOT, all contracting information related to the contract that is in the custody or possession of the entity, or
    B. preserve the contracting information related to the contract as provided by the records retention requirements applicable to TxDOT

The requirements of Subchapter J, Chapter 552, Government Code, may apply to this contract, and the contractor or vendor agrees that the contract can be terminated if the contractor or vendor knowingly or intentionally fails to comply with a requirement of that subchapter.

By entering into Contract, the Contractor agrees to:

- provide, or make available, to TxDOT and any authorized governmental investigating or auditing agency all records, including electronic and payment records related to the contract, for the same period provided by the records retention schedule applicable to TxDOT, and
- ensure that all subcontracts include a clause requiring the same.

* As defined in Government Code §552.003, "Contracting information" means the following information maintained by a governmental body or sent between a governmental body and a vendor, contractor, potential vendor, or potential contractor:

1) information in a voucher or contract relating to the receipt or expenditure of public funds by a governmental body;
2) solicitation or bid documents relating to a contract with a governmental body;
3) communications sent between a governmental body and a vendor, contractor, potential vendor, or potential contractor during the solicitation, evaluation, or negotiation of a contract;
4) documents, including bid tabulations, showing the criteria by which a governmental body evaluates each vendor, contractor, potential vendor, or potential contractor responding to a solicitation and, if applicable, an explanation of why the vendor or contractor was selected; and
5) communications and other information sent between a governmental body and a vendor or contractor related to the performance of a final contract with the governmental body or work performed on behalf of the governmental body.

CERTIFICATION TO NOT BOYCOTT ISRAEL

Pursuant to Texas Government Code §2271.002, the Department must include a provision requiring a written verification affirming that the Contractor does not boycott Israel, as defined in Government Code §808.001, and will not boycott Israel during the term of the contract. This provision applies to a contract that:

1) is with a Contractor that is not a sole proprietorship,
2) is with a Contractor with 10 or more full-time employees, and
3) has a value of $100,000 or more.

By signing the contract, the Contractor certifies that it does not boycott Israel and will not boycott Israel during the term of this contract. “Boycott” means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes.

Violation of this certification may result in action by the Department.

CERTIFICATION TO NOT BOYCOTT ENERGY COMPANIES

Pursuant to Texas Government Code §2274.002, the Department must include a provision requiring a written verification affirming that the Contractor does not boycott energy companies, as defined in Government Code §809.001, and will not boycott energy companies during the term of the contract. This provision applies to a contract that:

1) is with a Contractor that is not a sole proprietorship,
2) is with a Contractor with 10 or more full-time employees, and
3) has a value of $100,000 or more.

By signing the contract, the Contractor certifies that it does not boycott energy companies and will not boycott energy companies during the term of this contract. “Boycott” means taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company: (1) engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law; or (2) does business with a company described by (1).

Violation of this certification may result in action by the Department.

CERTIFICATION TO NOT DISCRIMINATE AGAINST FIREARM ENTITIES OR FIREARM TRADE ASSOCIATIONS

Pursuant to Texas Government Code §2274.002, the Department must include a provision requiring a written verification affirming that the Contractor:

1) does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association, as defined in Government Code §2274.001, and
2) will not discriminate against a firearm entity or firearm trade association during the term of the contract.

This provision applies to a contract that:

1) is with a Contractor that is not a sole proprietorship,
2) is with a Contractor with 10 or more full-time employees, and
3) has a value of $100,000 or more.

By signing the contract, the Contractor certifies that it does not discriminate against a firearm entity or firearm trade association as described and will not do so during the term of this contract. "Discriminate against a firearm entity or firearm trade association" means, with respect to the entity or association, to: (1) refuse to engage in the trade of any goods or services with the entity or association based solely on its status as a firearm entity or firearm trade association; (2) refrain from continuing an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; or (3) terminate an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association. "Discriminate against a firearm entity or firearm trade association" does not include: (1) the established policies of a merchant, retail seller, or platform that restrict or prohibit the listing or selling of ammunition, firearms, or firearm accessories; (2) a company's refusal to engage in the trade of any goods or services, decision to refrain from continuing an existing business relationship, or decision to terminate an existing business relationship to comply with federal, state, or local law, policy, or regulations or a directive by a regulatory agency, or for any traditional business reason that is specific to the customer or potential customer and not based solely on an entity 's or association's status as a firearm entity or firearm trade association.

Violation of this certification may result in action by the Department.

Special Provision to Item 000
Nondiscrimination

1. DESCRIPTION

All recipients of federal financial assistance are required to comply with various nondiscrimination laws including Title VI of the Civil Rights Act of 1964, as amended, (Title VI). Title VI forbids discrimination against anyone in the United States on the grounds of race, color, or national origin by any agency receiving federal funds.

Texas Department of Transportation, as a recipient of Federal financial assistance, and under Title VI and related statutes, ensures that no person shall on the grounds of race, religion (where the primary objective of the financial assistance is to provide employment per 42 U.S.C. § 2000d-3), color, national origin, sex, age or disability be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any Department programs or activities.

2. DEFINITION OF TERMS

Where the term “contractor” appears in the following six nondiscrimination clauses, the term “contractor” is understood to include all parties to contracts or agreements with the Texas Department of Transportation.

3. NONDISCRIMINATION PROVISIONS

During the performance of this contract, the contractor agrees as follows:

3.1. **Compliance with Regulations**. The Contractor shall comply with the Regulations relative to nondiscrimination in Federally-assisted programs of the Department of Transportation (hereinafter, “DOT”) Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

3.2. **Nondiscrimination**. The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

3.3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.

3.4. **Information and Reports:** The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Texas Department of Transportation to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information the contractor shall so certify to the Recipient, or the Texas Department of Transportation as appropriate, and shall set forth what efforts it has made to obtain the information.

3.5. **Sanctions for Noncompliance**. In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the Recipient shall impose such contract sanctions as it or the Texas Department of Transportation may determine to be appropriate, including, but not limited to:

- withholding of payments to the contractor under the contract until the contractor complies, and/or
- cancellation, termination or suspension of the contract, in whole or in part.

3.6. **Incorporation of Provisions**. The contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the Recipient or the Texas Department of Transportation may direct as a means of enforcing such provisions including sanctions for non-compliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the Recipient to enter into such litigation to protect the interests of the Recipient, and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

Special Provision 000
Certificate of Interested Parties (Form 1295)

Submit a notarized Form 1295, "Certificate of Interested Parties," in the following instances:

- at Contract execution for Contracts awarded by the Commission;
- at Contract execution for Contracts awarded by the District Engineer or Chief Engineer with an award amount of $1,000,000 or more; at any time an existing Contract awarded by the District Engineer or Chief Engineer increases in value to $1,000,000 or more due to changes in the Contract; at any time there is an increase of $1,000,000 or more to an existing Contract (change orders, extensions, and renewals); or
- at any time there is a change to the information in Form 1295, when the form was filed for an existing Contract.

Form 1295 and instructions on completing and filing the form are available on the Texas Ethics Commission website.

Special Provision 000
Important Notice to Contractors

For Dollar Amount of Original Contract		Dollar Amount of Daily Contract Administration Liquidated Damages per Working Day
From More Than	To and including	
0	1,000,000	618
1,000,000	3,000,000	832
3,000,000	5,000,000	940
5,000,000	15,000,000	1317
15,000,000	25,000,000	1718
25,000,000	50,000,000	2411
50,000,000	Over 50,000,000	4265

In addition to the amount shown in Table 1, the Liquidated Damages will be increased by the amount shown in Item 8 of the General Notes for Road User Cost (RUC), when applicable.

Special Provision 000
Notice of Contractor Performance Evaluations

1. GENERAL

In accordance with Texas Transportation Code §223.012, the Engineer will evaluate Contractor performance based on quality, safety, and timeliness of the project.

2. DEFINITIONS

2.1. **Project Recovery Plan (PRP)**—a formal, enforceable plan developed by the Contractor, in consultation with the District, that documents the cause of noted quality, safety, and timeliness issues and specifies how the Contractor proposes to correct project-specific performance deficiencies.

In accordance with Title 43, Texas Administrative Code (TAC), §9.23, the District will request a PRP if the Contractor's performance on a project is below the Department's acceptable standards and will monitor the Contractor's compliance with the established plan.

2.2. **Corrective Action Plan (CAP)**—a formal, enforceable plan developed by the Contractor, and proposed for adoption by the Construction or Maintenance Division, that documents the cause of noted quality, safety, and timeliness issues and specifies how the Contractor proposes to correct statewide performance deficiencies.

In accordance with 43 TAC §9.23, the Division will request a CAP if the average of the Contractor's statewide final evaluation scores falls below the Department's acceptable standards for the review period and will monitor the Contractor's compliance with the established plan.

3. CONTRACTOR EVALUATIONS

In accordance with Title 43, Texas Administrative Code (TAC) §9.23, the Engineer will schedule evaluations at the following intervals, at minimum:

- Interim evaluations—at or within 30 days after the anniversary of the notice to proceed, for Contracts extending beyond 1 yr., and
- Final evaluation—upon project closeout.

In case of a takeover agreement, neither the Surety nor its performing Contractor will be evaluated.

In addition to regularly scheduled evaluations, the Engineer may schedule an interim evaluation at any time to formally communicate issues with quality, safety, or timeliness. Upon request, work with the Engineer to develop a PRP to document expectations for correcting deficiencies.

Comply with the PRP as directed. Failure to comply with the PRP may result in additional remedial actions available to the Engineer under Item 5, "Control of the Work." Failure to meet a PRP to the Engineer's satisfaction may result in immediate referral to the Performance Review Committee for consideration of further action against the Contractor.

The Engineer will consider and document any events outside the Contractor's control that contributed to the failure to meet performance standards or comply with a PRP, including consideration of sufficient time.

Follow the escalation ladder if there is a disagreement regarding an evaluation or disposition of a PRP. The Contractor may submit additional documentation pertaining to the dispute. The District Engineer's decision

on a Contractor's evaluation score and recommendation of action required in a PRP or follow up for non-compliance is final.

4. DIVISION OVERSIGHT

Upon request of the Construction or Maintenance Division, develop and submit for Division approval a proposed CAP to document expectations for correcting deficiencies in the performance of projects statewide.

Comply with the CAP as directed. The CAP may be modified at any time up to completion or resolution after written approval of the premise of change from the Division. Failure to meet an adopted or revised adopted CAP to the Division's satisfaction within 120 days will result in immediate referral to the Performance Review Committee for consideration of further action against the Contractor.

The Division will consider and document any events outside the Contractor's control that contributed to the failure to meet performance standards or comply with a CAP, including consideration of sufficient time and associated costs as appropriate.

5. PERFORMANCE REVIEW COMMITTEE

The Performance Review Committee, in accordance with 43 TAC §9.24, will review at minimum all final evaluations, history of compliance with PRPs, any adopted CAPs including agreed modifications, any information about events outside a Contractor's control contributing to the Contractor's performance, and any documentation submitted by the Contractor and may recommend one or more of the following actions:

- take no action,
- reduce the Contractor's bidding capacity,
- prohibit the Contractor from bidding on one or more projects,
- immediately suspend the Contractor from bidding for a specified period of time, by reducing the Contractor's bidding capacity to zero, or
- prohibit the Contractor from being awarded a Contract on which they are the apparent low bidder.

The Deputy Executive Director will determine any further action against the Contractor.

6. APPEALS PROCESS

In accordance with 43 TAC §9.25, the Contractor may appeal remedial actions determined by the Deputy Executive Director.

Special Provision to Item 2
Instructions to Bidders

Item 2, "Instructions to Bidders," of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 2.3., "Issuing Proposal Forms," is supplemented by the following:

- the Bidder or affiliate of the Bidder that was originally determined as the apparent low Bidder on a project, but was deemed nonresponsive for failure to register or participate in the Department of Homeland Security's (DHS) E-Verify system as specified in Article 2.15., "Department of Homeland Security (DHS) E-Verify System," is prohibited from rebidding that specific project.

Article 2.7., "Nonresponsive Bid," is supplemented by the following:

- the Bidder failed to participate in the Department of Homeland Security's (DHS) as specified in Article 2.15., "Department of Homeland Security (DHS) E-Verify System."

Article 2.15., "Department of Homeland Security (DHS) E-Verify System," is added.

The Department will not award a Contract to a Contractor that is not registered in the DHS E-Verify system. Remain active in E=Verify throughout the life of the contract. In addition, in accordance with paragraph six of Article 8.2, "Subcontracting," include this requirement in all subcontracts and require that subcontractors remain active in E-Verify until their work is completed.

If the apparent low Bidder does not appear on the DHS E-Verify system prior to award, the Department will notify the Contractor that they must submit documentation showing that they are compliant within 5-business days after the date the notification was sent. A Contractor who fails to comply or respond within the deadline will be declared non-responsive and the Department will execute the proposal guaranty. The proposal guaranty will become the property of the State, not as a penalty, but as liquidated damages. The Bidder forfeiting the proposal guaranty will not be considered in future proposals for the same work unless there has been a substantial change in the scope of the work.

The Department may recommend that the Commission:

- reject all bids, or
- award the Contract to the new apparent low Bidder, if the Department is able to verify the Bidder's participation in the DHS E-verify system. For the Bidder who is not registered in E-Verify, the Department will allow for one business day after notification to provide proof of registration.

If the Department is unable to verify the new apparent low Bidder's participation in the DHS E-Verify system within one calendar day:

- the new apparent low Bidder will not be deemed nonresponsive,
- the new apparent low Bidder's guaranty will not be forfeited,
- the Department will reject all bids, and
- the new apparent low Bidder will remain eligible to receive future proposals for the same project.

Special Provision to Item 2
Instructions to Bidders

Item 2, "Instructions to Bidders" of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 3., "Issuing Proposal Forms," is supplemented by the following:

The Electronic State Business Daily (ESBD), the Integrated Contractor Exchange (iCX) system, and the project proposal are the official sources of advertisement and bidding information for the State and Local Lettings. Bidders should bid the project using the information found therein, including any addenda. These sources take precedence over information from other sources, including TxDOT webpages, which are unofficial and intended for informational purposes only.

Special Provision to Item 3
Award and Execution Contract

Item 3, Award and Execution of Contract," of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Section 4.3, "Insurance." The first sentence is voided and replaced by the following:

For construction and building Contracts, submit a certificate of insurance showing coverages in accordance with Contract requirements. For routine maintenance Contracts, refer to Article 8, "Beginning of Work."

Article 8, "Beginning of Work." The first sentence is supplemented by the following:

For a routine maintenance Contract, do not begin work until a certificate of insurance showing coverages in accordance with the Contract requirements is provided and accepted.

Special Provision to Item 3
Award and Execution of Contract

Item 3, "Award and Execution of Contract" of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Section 4.3 "Insurance" is being amended by the following:

Table 2
Insurance Requirements

Type of Insurance	Amount of Coverage
Commercial General Liability Insurance	Not Less Than: $600,000 each occurrence
Business Automobile Policy	Not Less Than: $600,000 combined single limit
Workers' Compensation	Not Less Than: Statutory
All Risk Builder's Risk Insurance (For building-facilities contracts only)	100% of Contract Price

Special Provision to Item 5
Control of the Work

Item 5, "Control of the Work," of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 5.1, "Authority of Engineer," is voided and replaced by the following.

The Engineer has the authority to observe, test, inspect, approve, and accept the work. The Engineer decides all questions about the quality and acceptability of materials, work performed, work progress, Contract interpretations, and acceptable Contract fulfillment. The Engineer has the authority to enforce and make effective these decisions.

The Engineer acts as a referee in all questions arising under the terms of the Contract. The Engineer's decisions will be final and binding.

The Engineer will pursue and document actions against the Contractor as warranted to address Contract performance issues. Contract remedies include, but are not limited to, the following:

- conducting interim performance evaluations requiring a Project Recovery Plan, in accordance with Title 43, Texas Administrative Code (TAC) §9.23,
- requiring the Contractor to remove and replace defective work, or reducing payment for defective work,
- removing an individual from the project,
- suspending the work without suspending working day charges,
- assessing standard liquidated damages to recover the Department's administrative costs, including additional project-specific liquidated damages when specified in the Contract in accordance with 43 TAC §9.22,
- withholding estimates,
- declaring the Contractor to be in default of the Contract, and
- in case of a Contractor's failure to meet a Project Recovery Plan, referring the issue directly to the Performance Review Committee for consideration of further action against the Contractor in accordance with 43 TAC §9.24.

The Engineer will consider and document any events outside the Contractor's control that contributed to the failure to meet performance standards, including consideration of sufficient time.

Follow the issue escalation ladder if there is disagreement regarding the application of Contract remedies.

Special Provision to Item 5
Control of the Work

Item 5, “Control of the Work” of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 5.4, “Coordination of Plans, Specifications, and Special Provisions,” the last sentence of the last paragraph is replaced by the following:

Failure to promptly notify the Engineer will constitute a waiver of all contract claims against the Department for misunderstandings or ambiguities that result from the errors, omissions, or discrepancies.

Special Provision to Item 6
Control of Materials

For this project, Item 6, "Control of Materials," of the Standard Specifications, is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

Article 4., "Sampling, Testing, and Inspection," is supplemented by the following:

Meet with the Engineer and choose either the Department or a Department-selected Commercial Lab (CL) for conducting the subset of project-level sampling and testing shown in Table 1, "Select Guide Schedule Sampling and Testing." Selection may be made on a test by test basis. CLs will meet the testing turnaround times shown (includes test time and time for travel/sampling and reporting) and in all cases issue test reports as soon as possible.

If the Contractor chooses a Department-selected CL for any Table 1 sampling and testing:

- notify the Engineer, District Lab, and the CL of project scheduling that may require CL testing;
- provide the Engineer, District Lab, and CL at least 24 hours' notice by phone and e-mail;
- reimburse the Department for CL Table 1 testing using the contract fee schedule for the CL (including mileage and travel/standby time) at the minimum guide schedule testing frequencies;
- reimburse the Department for CL Table 1 testing above the minimum guide schedule frequencies for retesting when minimum frequency testing results in failures to meet specification limits;
- agree with the Engineer and CL upon a policy regarding notification for testing services;
- give any cancellation notice to the Engineer, District Lab, and CL by phone and e-mail;
- reimburse the Department a $150 cancellation fee to cover technician time and mileage charges for previously scheduled work cancelled without adequate notice, which resulted in mobilization of technician and/or equipment by the CL; and
- all CL charges will be reimbursed to the Department by a deduction from the Contractor's monthly pay estimate.

If the CL does not meet the Table 1 turnaround times, testing charge to the Contractor will be reduced by 50% for the first late day and an additional 5% for each succeeding late day.

Approved CL project testing above the minimum testing frequencies in the Guide Schedule of Sampling and Testing, and not as the result of failing tests, will be paid by the Department.

Other project-level Guide Schedule sampling and testing not shown on Table 1 will be the responsibility of the Department.

Table 1
Select Guide Schedule Sampling and Testing (Note 1)

TxDOT Test	Test Description	Turn-Around Time (Calendar days)
SOILS/BASE		
Tex-101-E	Preparation of Soil and Flexible Base Materials for Testing (included in other tests)	
Tex-104-E	Liquid Limit of Soils (included in 106-E)	
Tex-105-E	Plastic Limit of Soils (included in 106-E)	
Tex-106-E	Calculating the Plasticity Index of Soils	7
Tex-110-E	Particle Size Analysis of Soils	6
Tex-113-E	Moisture-Density Relationship of Base Materials	7
Tex-114-E	Moisture-Density Relationship of Subgrade and Embankment Soil	7
Tex-115-E	Field Method for In-Place Density of Soils and Base Materials	2
Tex-116-E	Ball Mill Method for the Disintegration of Flexible Base Material	5
Tex-117-E, Part II	Triaxial Compression Tests For Disturbed Soils and Base Materials (Part II)	6
Tex-113-E **w/** Tex-117-E	Moisture-Density Relationship of Base Materials **with** Triaxial Compression Tests For Disturbed Soils and Base Materials (Part II)	10
Tex-140-E	Measuring Thickness of Pavement Layer	2
Tex-145-E	Determining Sulfate Content in Soils - Colorimetric Method	4
HOT MIX ASPHALT		
Tex-200-F	Sieve Analysis of Fine and Coarse Aggregate (dry, from ignition oven with known correction factors)	1 (Note 2)
Tex-203-F	Sand Equivalent Test	3
Tex-206-F, **w/** Tex-207-F, Part I, **w/** Tex-227-F	**(Lab-Molded Density of Production Mixture – Texas Gyratory)** Method of Compacting Test Specimens of Bituminous Mixtures **with** Density of Compacted Bituminous Mixtures, Part I - Bulk Specific Gravity of Compacted Bituminous Mixtures, **with** Theoretical Maximum Specific Gravity of Bituminous Mixtures	1 (Note 2)
Tex-207-F, Part I **&/or** Part VI	**(In-Place Air Voids of Roadway Cores)** Density of Compacted Bituminous Mixtures, Part I- Bulk Specific Gravity of Compacted Bituminous Mixtures **&/or** Part VI - Bulk Specific Gravity of Compacted Bituminous Mixtures Using the Vacuum Method	1 (Note 2)
Tex-207-F, Part V	Density of Compacted Bituminous Mixtures, Part V- Determining Mat Segregation using a Density-Testing Gauge	3
Tex-207-F, Part VII	Density of Compacted Bituminous Mixtures, Part VII - Determining Longitudinal Joint Density using a Density-Testing Gauge	4
Tex-212-F	Moisture Content of Bituminous Mixtures	3
Tex-217-F	Deleterious Material and Decantation Test for Coarse Aggregate	4
Tex-221-F	Sampling Aggregate for Bituminous Mixtures, Surface Treatments, and LRA (included in other tests)	
Tex-222-F	Sampling Bituminous Mixtures (included in other tests)	
Tex-224-F	Determination of Flakiness Index	3
Tex-226-F	Indirect Tensile Strength Test (production mix)	4
Tex-235-F	Determining Draindown Characteristics in Bituminous Materials	3
Tex-236-F (Correction Factors)	Asphalt Content from Asphalt Paving Mixtures by the Ignition Method (Determining Correction Factors)	4
Tex-236-F	Asphalt Content from Asphalt Paving Mixtures by the Ignition Method (Production Mixture)	1 (Note 2)
Tex-241-F **w/** Tex-207-F, Part I, **w/** Tex-227-F	**(Lab-Molded Density of Production Mixture – Superpave Gyratory)** Superpave Gyratory Compacting of Specimens of Bituminous Mixtures (production mixture) **with** Density of Compacted Bituminous Mixtures, Part I- Part I - Bulk Specific Gravity of Compacted Bituminous Mixtures, **with** Theoretical Maximum Specific Gravity of Bituminous Mixtures	1 (Note 2)
Tex-242-F	Hamburg Wheel-Tracking Test (production mix, molded samples)	3
Tex-244-F	Thermal Profile of Hot Mix Asphalt	1
Tex-246-F	Permeability of Water Flow of Hot Mix Asphalt	3
Tex-280-F	Flat and Elongated Particles	3
Tex-530-C	Effect of Water on Bituminous Paving Mixtures (production mix)	4

AGGREGATES		
Tex-400-A	Sampling Flexible Base, Stone, Gravel, Sand, and Mineral Aggregates	3
Tex-410-A	Abrasion of Coarse Aggregate Using the Los Angeles Machine	5
Tex-411-A	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	12
Tex-461-A	Degradation of Coarse Aggregate by Micro-Deval Abrasion	5
CHEMICAL		
Tex-612-J	Acid Insoluble Residue for Fine Aggregate	4
GENERAL		
HMA Production Specialist [TxAPA – Level 1-A] ($/hr)		
HMA Roadway Specialist [TxAPA – Level 1-B] ($/hr)		
Technician Travel/Standby Time ($/hr)		
Per Diem ($/day – meals and lodging)		
Mileage Rate ($/mile from closest CL location)		

Note 1– Turn-Around Time includes test time and time for travel/sampling and reporting.
Note 2 – These tests require turn-around times meeting the governing specifications. Provide test results within the stated turn-around time. CL is allowed one additional day to provide the signed and sealed report.

Special Provision to Item 6
Control of Materials

Item 6, "Control of Materials" of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 6.10., "Hazardous Materials," is voided and replaced by the following:

Comply with the requirements of Article 7.12., "Responsibility for Hazardous Materials."

Notify the Engineer immediately when a visual observation or odor indicates that materials on sites owned or controlled by the Department may contain hazardous materials. Except as noted herein, the Department is responsible for testing, removing, and disposing of hazardous materials not introduced by the Contractor. The Engineer may suspend work wholly or in part during the testing, removing, or disposing of hazardous materials, except in the case where hazardous materials are introduced by the Contractor.

Use materials that are free of hazardous materials. Notify the Engineer immediately if materials are suspected to contain hazardous materials. If materials delivered to the project by the Contractor are suspected to contain hazardous materials, have an approved commercial laboratory test the materials for the presence of hazardous materials as approved. Remove, remediate, and dispose of any of these materials found to contain hazardous materials. The work required to comply with this section will be at the Contractor's expense if materials are found to contain hazardous materials. Working day charges will not be suspended and extensions of working days will not be granted for activities related to handling hazardous material introduced by the Contractor. If suspected materials are not found to contain hazardous materials, the Department will reimburse the Contractor for hazardous materials testing and will adjust working day charges if the Contractor can show that this work impacted the critical path.

10.1. Painted Steel Requirements. Coatings on existing steel contain hazardous materials unless otherwise shown on the plans. Remove paint and dispose of steel coated with paint containing hazardous materials is in accordance with the following:

10.1.1. Removing Paint From Steel For contracts that are specifically for painting steel, Item 446, "Field Cleaning and Painting Steel" will be included as a pay item. Perform work in accordance with that item.

For projects where paint must be removed to allow for the dismantling of steel or to perform other work, the Department will provide for a separate contractor (third party) to remove paint containing hazardous materials prior to or during the Contract. Remove paint covering existing steel shown not to contain hazardous materials in accordance with Item 446, "Field Cleaning and Painting Steel."

10.1.2. Removal and Disposal of Painted Steel. For steel able to be dismantled by unbolting, paint removal will not be performed by the Department. The Department will remove paint, at locations shown on the plans or as agreed, for the Contractor's cutting and dismantling purposes. Utilize Department cleaned locations for dismantling when provided or provide own means of dismantling at other locations.

Painted steel to be retained by the Department will be shown on the plans. For painted steel that contains hazardous materials, dispose of the painted steel at a steel recycling or smelting facility unless otherwise shown on the plans. Maintain and make available to the Engineer invoices and other records obtained from the facility showing the received weight of the steel and the facility name. Dispose of steel that does not contain hazardous material coatings in accordance with federal, state and local regulations.

10.2. Asbestos Requirements. The plans will indicate locations or elements where asbestos containing materials (ACM) are known to be present. Where ACM is known to exist or where previously unknown ACM has been found, the Department will arrange for abatement by a separate contractor prior to or during the Contract. Notify the Engineer of proposed dates of demolition or removal of structural elements with ACM at least 60 days before beginning work to allow the Department sufficient time for abatement.

The Department of State Health Services (DSHS), Asbestos Programs Branch, is responsible for administering the requirements of the National Emissions Standards for Hazardous Air Pollutants, 40 CFR Part 61, Subpart M and the Texas Asbestos Health Protection Rules (TAHPR). Based on EPA guidance and regulatory background information, bridges are considered to be a regulated “facility” under NESHAP. Therefore, federal standards for demolition and renovation apply.

The Department is required to notify the DSHS at least 10 working days (by postmarked date) before initiating demolition or renovation of each structure or load bearing member shown on the plans. If the actual demolition or renovation date is changed or delayed, notify the Engineer in writing of the revised dates in sufficient time to allow for the Department’s notification to DSHS to be postmarked at least 10 days in advance of the actual work.

Failure to provide the above information may require the temporary suspension of work under Article 8.4., “Temporary Suspension of Work or Working Day Charges,” due to reasons under the control of the Contractor. The Department retains the right to determine the actual advance notice needed for the change in date to address post office business days and staff availability.

10.3. Lead Abatement. Provide traffic control as shown on the plans, and coordinate and cooperate with the third party and the Department for managing or removing hazardous materials. Work for the traffic control shown on the plans and coordination work will not be paid for directly but will be subsidiary to pertinent Items.

Special Provision to Item 7
Legal Relations and Responsibilities

Item 7, "Legal Relations and Responsibilities," of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Section 7.7.2., "Texas Pollutant Discharge Elimination System (TPDES) Permits and Storm Water Pollution Prevention Plans (SWP3)," is voided and replaced by the following:

7.2. Texas Pollution Discharge Elimination System (TPDES) Permits and Storm Water Pollution Prevention Plans (SWP3).

7.2.1. Projects with less than one acre of soil disturbance including required associated project specific locations (PSL's) per TPDES GP TXR 150000.

No posting or filing will be required for soil disturbances within the right of way. Adhere to the requirements of the SWP3.

7.2.2. Projects with one acre but less than five acres of soil disturbance including required associated PSL's per TPDES GP TXR 150000.

The Department will be considered a primary operator for Operational Control Over Plans and Specifications as defined in TPDES GP TXR 150000 for construction activity in the right of way. The Department will post a small site notice along with other requirements as defined in TPDES GP TXR 150000 as the entity of having operational control over plans and specifications for work shown on the plans in the right of way.

The Contractor will be considered a Primary Operator for Day-to-Day Operational Control as defined in TPDES GP TXR 150000 for construction activity in the right of way. In addition to the Department's actions, the Contractor will post a small site notice along with other requirements as defined in TPDES GP TXR 150000 as the entity of having day-to-day operational control of the work shown on the plans in the right of way. This is in addition to the Contractor being responsible for TPDES GP TXR 150000 requirements for on- right of way and off- right of way PSL's. Adhere to all requirements of the SWP3 as shown on the plans. The Contractor will be responsible for Implement the SWP3 for the project site in accordance with the plans and specifications, TPDES General Permit TXR150000, and as directed.

7.2.3. Projects with 5 acres or more of soil disturbance including required associated PSL's per TPDES GP TXR 150000.

The Department will be considered a primary operator for Operational Control Over Plans and Specifications as defined in TPDES GP TXR 150000 for construction activities in the right of way. The Department will post a large site notice, file a notice of intent (NOI), notice of change (NOC), if applicable, and a notice of termination (NOT) along with other requirements per TPDES GP TXR 150000 as the entity having operational control over plans and specifications for work shown on the plans in the right of way.

The Contractor will be considered a primary operator for Day-to-Day Operational Control as defined in TPDES GP TXR 150000 for construction activities in the right of way. In addition to the Department's actions, the Contractor shall file a NOI, NOC, if applicable, and NOT and post a large site notice along with other requirements as the entity of having day-to-day operational control of the work shown on the plans in the right of way. This is in addition to the Contractor

being responsible for TPDES GP TXR 150000 requirements for on- right of way and off- right of way PSL's. Adhere to all requirements of the SWP3 as shown on the plans.

Special Provision to Item 7
Legal Relations and Responsibilities

Item 7, "Legal Relations and Responsibilities," of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Section 7.2.4., "Public Safety and Convenience." The first paragraph is deleted and replaced by the following.

Ensure the safety and convenience of the public and property as provided in the Contract and as directed. Keep existing roadways open to traffic or construct and maintain detours and temporary structures for safe public travel. Manage construction to minimize disruption to traffic. Maintain the roadway in a good and passable condition, including proper drainage and provide for ingress and egress to adjacent property.

If the construction of the project requires the closing of a highway, as directed, coordinate the closure with the Engineer and work to ensure all lanes and ramps possible are available during peak traffic periods before, during, and after significant traffic generator events to avoid any adverse economic impact on the municipalities during:

- dates or events as shown on the plans, and
- other dates as directed.

Special Provision to Item 007
Legal Relations and Responsibilities

Item 7, "Legal Relations and Responsibilities," of the Standard Specifications is amended with respect to the clauses cited below.

Section 2.6., "Barricades, Signs, and Traffic Handling," the first paragraph is voided and replaced by the following:

2.6. **Barricades, Signs, and Traffic Handling.** Comply with the requirements of Item 502 "Barricades, Signs, and Traffic Handling," and as directed. Provide traffic control devices that conform to the details shown on the plans, the TMUTCD, and the Department's Compliant Work Zone Traffic Control Device List maintained by the Traffic Safety Division. When authorized or directed, provide additional signs or traffic control devices not required by the plans.

Section 2.6.1., "Contractor Responsible Person and Alternative," is voided and replaced by the following:

2.6.1. **Contractor Responsible Person and Alternative.** Designate in writing, a Contractor's Responsible Person (CRP) and an alternate to be the representative of the Contractor who is responsible for taking or directing corrective measures regarding the traffic control. The CRP or alternate must be accessible by phone 24 hr. per day and able to respond when notified. The CRP and alternate must comply with the requirements of Section 2.6.5., "Training."

Section 2.6.2, "Flaggers," the first paragraph is voided and replaced by the following:

2.6.2. **Flaggers.** Designate in writing, a flagger instructor who will serve as a flagging supervisor and is responsible for training and assuring that all flaggers are qualified to perform flagging duties. Certify to the Engineer that all flaggers will be trained and make available upon request a list of flaggers trained to perform flagging duties.

Section 2.6.5, "Training," is voided and replaced by the following:

2.6.5. **Training.** Train workers involved with the traffic control using Department-approved training as shown on the "Traffic Control Training" Material Producer List.

Coordinate enrollment, pay associated fees, and successfully complete Department-approved training or Contractor-developed training. Training is valid for the period prescribed by the provider. Except for law enforcement personnel training, refresher training is required every 4 yr. from the date of completion unless otherwise specified by the course provider. The Engineer may require training at a frequency instead of the period prescribed based on the Department's needs. Training and associated fees will not be measured or paid for directly but are considered subsidiary to pertinent Items.

Certify to the Engineer that workers involved in traffic control and other work zone personnel have been trained and make available upon request a copy of the certification of completion to the Engineer. Ensure the following is included in the certification of completion:

- name of provider and course title,
- name of participant,
- date of completion, and
- date of expiration.

Where Contractor-developed training or a Department-approved training course does not produce a certification, maintain a log of attendees. Make the log available upon request. Ensure the log is legible and includes the following:

- printed name and signature of participant,
- name and title of trainer, and
- date of training.

2.6.5.1. **Contractor-developed Training.** Develop and deliver Contractor-developed training meeting the minimum requirements established by the Department. The outline for this training must be submitted to the Engineer for approval at the preconstruction meeting. The CRP or designated alternate may deliver the training instead of the Department-approved training. The work performed and materials furnished to develop and deliver the training will not be measured or paid for directly but will be considered subsidiary to pertinent Items.

2.6.5.1.1. **Flagger Training Minimum Requirements.** A Contractor's certified flagging instructor is permitted to train other flaggers.

2.6.5.1.2. **Optional Contractor-developed Training for Other Work Zone Personnel.** For other work zone personnel, the Contractor may provide training meeting the curriculum shown below instead of Department-approved training.

Minimum curriculum for Contractor-provided training is as follows:

Contractor-developed training must provide information on the use of personnel protection equipment, occupational hazards and health risks, and other pertinent topics related to traffic management. The type and amount of training will depend on the job duties and responsibilities. Develop training applicable to the work being performed. Develop training to include the following topics.

- The Life You Save May Be Your Own (or other similar company safety motto).
- Purpose of the training.
  - It's the Law.
  - To make work zones safer for workers and motorist.
  - To understand what is needed for traffic control.
  - To save lives including your own.
- Personal and Co-Worker Safety.
  - **High Visibility Safety Apparel.** Discuss compliant requirements; inspect regularly for fading and reduced reflective properties; if night operations are required, discuss the additional and appropriate required apparel in addition to special night work risks; if moving operations are underway, discuss appropriate safety measures specific to the situation and traffic control plan.
  - **Blind Areas.** A blind area is the area around a vehicle or piece of construction equipment not visible to the operators, either by line of sight or indirectly by mirrors. Discuss the "Circle of Safety" around equipment and vehicles; use of spotters; maintain eye contact with equipment operators; and use of hand signals.
  - **Runovers and Backovers.** Remain alert at all times; keep a safe distance from traffic; avoid turning your back to traffic and if you must then use a spotter; and stay behind protective barriers, whenever possible. Note: It is not safe to sit on or lean against a concrete barrier, these barriers can deflect four plus feet when struck by a vehicle.
  - Look out for each other, warn co-workers.
  - Be courteous to motorists.
  - Do not run across active roadways.
  - Workers must obey traffic laws and drive courteously while operating vehicles in the work zones.
  - Workers must be made aware of company distracted driving policies.
- **Night Time Operations.** Focus should be placed on projects with a nighttime element.

- **Traffic Control Training.** Basics of Traffic Control.
  - Identify work zone traffic control supervisor and other appropriate persons to report issues to when they arise.
  - Emphasize that work zone traffic control devices must be in clean and in undamaged condition. If devices have been hit but not damaged, put back in their correct place and report to traffic control supervisor. If devices have been damaged, replace with new one and report to traffic control supervisor. If devices are dirty, faded or have missing or damaged reflective tape clean or replace and report to traffic control supervisor. Show examples of non-acceptable device conditions. Discuss various types of traffic control devices to be used and where spacing requirements can be found.
  - **Channelizing Devices and Barricades with Slanted Stripes.** Stripes are to slant in the direction you want traffic to stay or move to; demonstrate this with a device.
  - **Traffic Queuing.** Workers must be made aware of traffic queuing and the dangers created by it. Workers must be instructed to immediately notify the traffic control supervisor and other supervisory personnel if traffic is queuing beyond advance warning sign and devices or construction limits.
  - **Signs.** Signs must be straight and not leaning. Report problems to the traffic control supervisor or other as designated for immediate repair. Covered signs must be fully covered. If covers are damaged or out of place, report to traffic control supervisor or other as designated.

Special Provision to Item 8
Prosecution and Progress

Item 8, "Prosecution and Progress" of the Standard Specification is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 8.2., "Subcontracting," is supplemented by the following paragraph, which is added as paragraph six to this article:

The Contractor certifies by signing the Contract that the Contractor will not enter into any subcontract with a subcontractor that is not registered in the Department of Homeland Security's (DHS) E-Verify system. Require that all subcontractors working on the project register and require that all subcontractors remain active in the DHS E-Verify system until their work is complete on the project.

Special Provision to Item 8
Prosecution and Progress

Item 8, "Prosecution and Progress" of the Standard Specifications is amended with respect to the clause cited below. No other clauses or requirements of this Item are waived or changed.

Article 8.7.2., "Wrongful Default," is revised and replaced by the following:

If it is determined after the Contractor is declared in default, that the Contractor was not in default, the rights and obligations of all parties will be the same as if termination had been issued for the convenience of the public as provided in Article 8.8 "Termination of Contract."

Special Provision to Item 009
Measurement and Payment

Item 009 "Measurement and Payment" of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 9.5., "PROGRESS PAYMENTS" is supplemented with the following:

It is the Department's desire to pay a Contractor for work through the last working day of the month; however, the use of early cut-off dates for monthly estimates and MOH is a project management practice to manage workload at the Area Office level. Approval for using early cut-off dates is at the District's discretion. The earliest cut-off date for estimates is the 25th of the month.

Article 9.6., "PAYMENT FOR MATERIAL ON HAND (MOH)" first paragraph is amended as follows:

If payment for MOH is desired, request compensation for the invoice cost of acceptable nonperishable materials that have not been used in the work before the request, and that have been delivered to the work location or are in acceptable storage places. Nonperishable materials are those that do not have a shelf life or whose characteristics do not materially change when exposed to the elements. Include only materials that have been sampled, tested, approved, or certified, and are ready for incorporation into the work. Only materials which are completely constructed or fabricated on the Contractor's order for a specific Contract and are so marked and on which an approved test report has been issued are eligible. Payment for MOH may include the following types of items: concrete traffic barrier, precast concrete box culverts, concrete piling, reinforced concrete pipe, and illumination poles. Any repairs required after fabricated materials have been approved for storage will require approval of the Engineer before being made and will be made at the Contractor's expense. Include only those materials and products, when cumulated under an individual item or similar bid items, that have an invoice cost of at least $1,000 in the request for MOH payment (e.g. For MOH eligibility, various sizes of conductor are considered similar bid items and may be cumulated to meet the threshold; for small roadside signs, the sign supports, mounting bolts, and the sign face is considered one bid item or similar bid items for more than one pay item for sign supports.) Requests for MOH are to be submitted at least two days before but not later than the estimate cutoff date unless otherwise agreed. If there is a need to request MOH after the established cut-off date, the district can make accommodation as the need arises. This needed accommodation is to be the exception, though, and not the rule.

Special Provision to Item 9
Measurement and Payment

Item 9, "Measurement and Payment" of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Section 9.7.1.4.3., "Standby Equipment Costs," is voided and replaced by the following:

7.1.4.3. **Standby Equipment Costs.** Payment for standby equipment will be made in accordance with Section 9.7.1.4., "Equipment," except that the 15% markup will not be allowed and that:

Section 7.1.4.3.1., "Contractor-Owned Equipment," is voided and replaced by the following:

7.1.4.3.1. **Contractor-Owned Equipment**. For Contractor-owned equipment:

- Standby will be paid at 50% of the monthly Equipment Watch rate after the regional and age adjustment factors have been applied. Operating costs will not be allowed. Calculate the standby rate as follows.

  Standby rate = (FHWA hourly rate - operating costs) × 50%

- If an hourly rate is needed, divide the monthly *Equipment Watch* rate by 176.
- No more than 8 hr. of standby will be paid during a 24-hr. day period, nor more than 40 hr. per week.
- Standby costs will not be allowed during periods when the equipment would have otherwise been idle.

Special Specification 7009
Mobilization of Marine Operations and System Repair

1. DESCRIPTION

Establish and remove offices, plants, and facilities. Move personnel, equipment, and supplies to and from the project or the vicinity of the project site to begin work or complete work on Contract Items.

2. MEASUREMENT

This Item will be measured by the each.

3. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit bid price for "Marine Repair Mobilization" of the site specified. This price is full compensation for mobilizing and demobilizing; furnishing materials, equipment, labor, tools, and incidentals.

Special Specification 7102
Relocation of Marine Repair Equipment

1. DESCRIPTION

Relocate marine repair equipment to conduct maintenance or repairs, as directed. Each independent landing, cluster, ferry operations landing, or work dock will be considered a separate work area. Movement from one work area to another work area will be considered relocation. Movement within a work area will not constitute a relocation.

2. MEASUREMENT

This item will be measured by the each.

3. PAYMENT

The work performed and materials furnished in accordance with this item and measured as provided under "Measurement" will be paid at the unit price bid for "Relocation of Marine Repair Equipment." This price is full compensation for relocating marine repair equipment; furnishing materials, equipment, labor, tools, and incidentals.

Special Specification 7146
Ferry Landing Maintenance

1. DESCRIPTION

Furnish all materials, equipment, Labor allowances and incidentals necessary for the maintenance of Ferry Landing as shown in the Plan Set and attached specifications.

2. MATERIALS AND CONSTRUCTION METHODS

All materials furnished and all construction methods utilized must be in accordance with the plans, details, and the attached specifications. Perform a Schedule of Values.

3. MEASUREMENT

This Item will be measured for completed work corresponding to the “Schedule of Values” to facilitate accurate partial payments, the lump sum dollar amount will be rounded to the nearest integer and this number will serve as the total number of units multiplied by the unit price of one dollar.

4. PAYMENT

The work performed and materials furnished in accordance with the item and measured as provided for under “Measurement” will be paid for at the unit price bid for “Ferry Landing Maintenance”. The price is full compensation for equipment, labor, materials, tools and incidentals.

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