

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 6/03/2015

Control	1015-01-025, ETC.
Project	STP 1502(325), ETC.
Highway	FM 549, ETC.
County	ROCKWALL

Ladies/Gentlemen:

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

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

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

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

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

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

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: STP 1502(325)

CONTROL: 1015-01-025

COUNTY: ROCKWALL

LETTING: 06/04/2015

REFERENCE NO: 0602

PROPOSAL ADDENDUMS

- _ PROPOSAL COVER
X BID INSERTS (SH. NO.: 1-9, 2-9 and 5-9)
X GENERAL NOTES (SH. NO.: D, F-I)

X SPEC LIST (SH. NO.: 2-3)
_ SPECIAL PROVISIONS:
_ ADDED:

DELETED:

_ SPECIAL SPECIFICATIONS:
_ ADDED:

DELETED:

X OTHER: SEE CHANGES OULINED BELOW

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

Bid Inserts:

Sheet 1-9: Item 105 6012 is added.
Item 105 6079 quantity is revised.
Item 164 6015 quantity is revised.
Item 164 6051 quantity is revised.
Item 168 6001 quantity is revised.
Item 247 6115 is deleted.

Sheet 2-9: Item 247 6116 is added.
Item 247 6414 quantity is revised.
Item 251 6034 quantity is revised.
Item 275 6001 quantity is revised.
Item 275 6002 quantity is revised.
Item 310 6002 quantity is revised.
Item 316 6224 quantity is revised.
Item 316 6413 quantity is revised.

Sheet 3-9: Item 479 6007 is added.

Sheets 1-9 - 9-9 information may have shifted due to the changes above.

General Notes:

Sheet D: Note for Items 105, 251 & 354 is revised.

Sheet F: Note for Item 247 is revised.

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

(CONTINUED)

Sheet F: Note for Item 251 is added.
Sheet F: Note for Items 354 is removed.
Sheet F: Note for Item 316 is revised.
Sheet F: Note for Item 341 is revised.
Sheet G: Note for Item 354 is revised.
Sheet H: Note for Item 502 is revised.
Sheet I: Note for Item 585 is revised.
Sheet J: is added

Sheets D-J information may have shifted due to the changes above.

Spec List

Sheet 2-3 Standard Specification 479 is added.

Sheets 2-3 - 3-3 information may have shifted due to the changes above.

Plan Set:

The following sheets have been replaced:

2, 11 thru 16, 22, 22A thru 22D, 23, 24, 25, 27, 29, 33, 34, 65, 66,
81, 82, 116, 126, 127, 128, 130 thru 134, 136, 138, 141, 142 and 148

The following sheets have been added:

24A and 116A

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	6002		PREPARING ROW DOLLARS and CENTS	STA	292.070	1
	105	6012		REMOVING STAB BASE AND ASPH PAV (2"- 6") DOLLARS and CENTS	CY	34,232.000	2
	105	6079		REMOVING STAB BASE & ASPH PAV (4"-12") DOLLARS and CENTS	SY	1,370.000	3
	110	6001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	8,594.000	4
	132	6006		EMBANKMENT (FINAL)(DENS CONT)(TY C) DOLLARS and CENTS	CY	27,089.000	5
	134	6004		BACKFILL (TY A OR B) DOLLARS and CENTS	STA	313.070	6
	164	6015		STRAW/HAY MLCH SEED(PERM)(RURAL)(CLAY) DOLLARS and CENTS	SY	121,866.000	7
	164	6051		DRILL SEED (TEMP)(WARM OR COOL) DOLLARS and CENTS	SY	62,771.000	8
	168	6001		VEGETATIVE WATERING DOLLARS and CENTS	MG	15,705.000	9
	169	6001		SOIL RETENTION BLANKETS (CL 1) (TY A) DOLLARS and CENTS	SY	48,062.000	10
	247	6116		FL BS (RDWY DEL) (TY D GR 4) (IN VEH) DOLLARS and CENTS	CY	3,804.000	11

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	247	6414		FL BS (CMP IN PLC)(TY D GR 4)(14") DOLLARS and CENTS	SY	85,429.000	12
	251	6034		REWORK BS MTL (TY C) (8") (ORD COMP) DOLLARS and CENTS	SY	70,004.000	13
	275	6001		CEMENT DOLLARS and CENTS	TON	1,779.000	14
	275	6002		CEMENT TREAT (EXIST MATL) (6") DOLLARS and CENTS	SY	85,429.000	15
	310	6002		PRIME COAT & BLOTTER (MULTI OPTION) DOLLARS and CENTS	GAL	17,086.000	16
	316	6224		AGGR(TY-PB GR-4 SAC-B) DOLLARS and CENTS	CY	743.000	17
	316	6413		ASPH(AC-15P, HFRS-2P OR CRS-2P) DOLLARS and CENTS	GAL	32,463.000	18
	340	6011		D-GR HMA(SQ) TY-B PG64-22 DOLLARS and CENTS	TON	1,584.000	19
	341	6027		D-GR HMA TY-C SAC-B PG70-22 DOLLARS and CENTS	TON	12,452.000	20
	354	6002		PLAN & TEXT ASPH CONC PAV(0" TO 2") DOLLARS and CENTS	SY	22,813.000	21
	400	6006		CUT & RESTORING PAV DOLLARS and CENTS	SY	143.500	22
	402	6001		TRENCH EXCAVATION PROTECTION DOLLARS and CENTS	LF	283.000	23

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	403	6001		TEMPORARY SPL SHORING DOLLARS and CENTS	SF	200.000	24
	432	6024		RIPRAP (STONE COMMON)(DRY)(12 IN) DOLLARS and CENTS	CY	2.000	25
	460	6002		CMP (GAL STL 18 IN) DOLLARS and CENTS	LF	11.000	26
	462	6001		CONC BOX CULV (3 FT X 2 FT) DOLLARS and CENTS	LF	54.000	27
	462	6005		CONC BOX CULV (4 FT X 4 FT) DOLLARS and CENTS	LF	15.000	28
	462	6007		CONC BOX CULV (5 FT X 3 FT) DOLLARS and CENTS	LF	108.000	29
	462	6048		CONC BOX CULV (4 FT X 3 FT)(EXTEND) DOLLARS and CENTS	LF	9.000	30
	462	6052		CONC BOX CULV (5 FT X 4 FT)(EXTEND) DOLLARS and CENTS	LF	24.000	31
	462	6057		CONC BOX CULV (6 FT X 6 FT)(EXTEND) DOLLARS and CENTS	LF	40.000	32
	464	6005		RC PIPE (CL III)(24 IN) DOLLARS and CENTS	LF	40.000	33
	464	6008		RC PIPE (CL III)(36 IN) DOLLARS and CENTS	LF	57.000	34
	464	6010		RC PIPE (CL III)(48 IN) DOLLARS and CENTS	LF	149.600	35

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	464	6011		RC PIPE (CL III)(54 IN) DOLLARS and CENTS	LF	170.700	36
	464	6027		RC PIPE (CL V)(36 IN) DOLLARS and CENTS	LF	72.000	37
	464	6028		RC PIPE (CL V)(42 IN) DOLLARS and CENTS	LF	12.000	38
	466	6095		HEADWALL (CH - PW - 0) (DIA= 18 IN) DOLLARS and CENTS	EA	6.000	39
	466	6101		HEADWALL (CH - PW - 0) (DIA= 36 IN) DOLLARS and CENTS	EA	6.000	40
	466	6136		HEADWALL (CH - PW - S) (DIA= 48 IN) DOLLARS and CENTS	EA	2.000	41
	466	6137		HEADWALL (CH - PW - S) (DIA= 54 IN) DOLLARS and CENTS	EA	3.000	42
	466	6179		WINGWALL (PW - 1) (HW=4 FT) DOLLARS and CENTS	EA	2.000	43
	466	6180		WINGWALL (PW - 1) (HW=5 FT) DOLLARS and CENTS	EA	5.000	44
	466	6181		WINGWALL (PW - 1) (HW=6 FT) DOLLARS and CENTS	EA	1.000	45
	466	6183		WINGWALL (PW - 1) (HW=8 FT) DOLLARS and CENTS	EA	2.000	46
	467	6025		SET (TY I) (54 IN) (3: 1) (C) DOLLARS and CENTS	EA	1.000	47

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	467	6148		SET (TY I)(S= 4 FT)(HW= 5 FT)(3:1) (C) DOLLARS and CENTS	EA	1.000	48
	467	6394		SET (TY II) (24 IN) (RCP) (6: 1) (C) DOLLARS and CENTS	EA	2.000	49
	479	6007		ADJUSTING MANHOLES(CAP) DOLLARS and CENTS	EA	1.000	50
	496	6005		REMOV STR (WINGWALL) DOLLARS and CENTS	EA	6.000	51
	496	6006		REMOV STR (HEADWALL) DOLLARS and CENTS	EA	1.000	52
	496	6042		REMOV STR (SMALL) DOLLARS and CENTS	EA	7.000	53
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	54
	502	6001		BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	20.000	55
	506	6001	001	ROCK FILTER DAMS (INSTALL) (TY 1) DOLLARS and CENTS	LF	1,200.000	56
	506	6002	001	ROCK FILTER DAMS (INSTALL) (TY 2) DOLLARS and CENTS	LF	200.000	57
	506	6011	001	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	1,400.000	58
	506	6020	001	CONSTRUCTION EXITS (INSTALL) (TY 1) DOLLARS and CENTS	SY	756.000	59

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	506	6024	001	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	756.000	60
	506	6041	001	BIODEG EROSN CONT LOGS (INSTL) (12") DOLLARS and CENTS	LF	2,340.000	61
	506	6043	001	BIODEG EROSN CONT LOGS (REMOVE) DOLLARS and CENTS	LF	2,340.000	62
	530	6004		DRIVEWAYS (CONC) DOLLARS and CENTS	SY	450.600	63
	530	6005		DRIVEWAYS (ACP) DOLLARS and CENTS	SY	2,100.600	64
	540	6001		MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	400.000	65
	540	6016		DOWNSTREAM ANCHOR TERMINAL SEC- TION DOLLARS and CENTS	EA	2.000	66
	544	6001		GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS	EA	4.000	67
	560	6011		MAILBOX INSTALL-S (TWW-POST) TY 4 DOLLARS and CENTS	EA	25.000	68
	560	6013		MAILBOX INSTALL-M (TWW-POST) TY 4 DOLLARS and CENTS	EA	12.000	69
	560	6016		MAILBOX INSTALL-S (TWW-POST) TY 7 DOLLARS and CENTS	EA	2.000	70
	644	6001		IN SM RD SN SUP&AM TY10BWG(1)SA(P) DOLLARS and CENTS	EA	66.000	71

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	644	6004		IN SM RD SN SUP&AM TY10BWG(1)SA(T) DOLLARS and CENTS	EA	7.000	72
	644	6007		IN SM RD SN SUP&AM TY10BWG(1)SA(U) DOLLARS and CENTS	EA	2.000	73
	644	6028		IN SM RD SN SUP&AM TYS80(1)SA(P-BM) DOLLARS and CENTS	EA	15.000	74
	644	6033		IN SM RD SN SUP&AM TYS80(1)SA(U) DOLLARS and CENTS	EA	6.000	75
	644	6036		IN SM RD SN SUP&AM TYS80(1)SA(U-BM) DOLLARS and CENTS	EA	11.000	76
	658	6048		INSTL OM ASSM (OM-2Z)(FLX)GND DOLLARS and CENTS	EA	31.000	77
	658	6061		INSTL DEL ASSM (D-SW)SZ 1(BRF)GF2 DOLLARS and CENTS	EA	32.000	78
	662	6110		WK ZN PAV MRK SHT TERM (TAB)TY Y DOLLARS and CENTS	EA	252.000	79
	662	6111		WK ZN PAV MRK SHT TERM (TAB)TY Y-2 DOLLARS and CENTS	EA	2,675.000	80
	666	6030		REFL PAV MRK TY I (W)8"(DOT)(100MIL) DOLLARS and CENTS	LF	300.000	81
	666	6036		REFL PAV MRK TY I (W)8"(SLD)(100MIL) DOLLARS and CENTS	LF	3,819.000	82
	666	6048		REFL PAV MRK TY I (W)24"(SLD)(100MIL) DOLLARS and CENTS	LF	549.000	83

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	6054		REFL PAV MRK TY I (W)(ARROW)(100MIL) DOLLARS and CENTS	EA	27.000	84
	666	6078		REFL PAV MRK TY I (W)(WORD)(100MIL) DOLLARS and CENTS	EA	27.000	85
	666	6147		REFL PAV MRK TY I (Y)24"(SLD)(100MIL) DOLLARS and CENTS	LF	1,005.000	86
	666	6303		RE PM W/RET REQ TY I (W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	53,856.000	87
	666	6312		RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL) DOLLARS and CENTS	LF	4,300.000	88
	666	6315		RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	37,137.000	89
	672	6007		REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	250.000	90
	672	6009		REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	1,080.000	91

County: Rockwall

Highway: FM 549

SW3P RESPONSIBILITIES

TxDOT Area of Responsibility

Responsible for the area defined by the limits of the subject project, except for those areas utilized and operated by the contractor. These areas include, though are not limited to, areas used for field offices, equipment and/or material storage, and concrete or asphalt plants.

TxDOT Operational Responsibility

Responsible for seeking coverage under the TPDES Construction General Permit (CGP) and operating the project within the requirements of the CGP for discharging storm water from the subject project and to notify MS4 permit holders of the intent to discharge storm water.

File a Notice of Termination with TCEQ upon completion of the project when the exposed areas have been stabilized with a vegetative cover of at least 70%.

Contractor Area of Responsibility

Responsible for all areas under their direct operational control which includes, though not limited to, areas used for field offices, equipment and/or material storage, and concrete or asphalt plants. These areas may be located on or off the subject project’s R.O.W.

Contractor Operational Responsibility

Responsible for seeking coverage under the TPDES Construction General Permit (CGP) and adhering to all requirements of the permit for discharging storm water from the areas under their operational control. Perform regular inspections, prepare a written report of deficiencies, and repair deficiencies within the time frame set forth by the permit. File a Notice of Termination with TCEQ upon completion of the project when the exposed areas have been stabilized with a vegetative cover of at least 70%.

Responsible under contractual obligations to TxDOT to install, clean, repair, replace or remove sediment and erosion control devices as indicated on TxDOT’s Inspection Reports, or as required by daily construction practices, within the time frame set forth by the permit.

SPECIFICATION DATA

Table 1: Soil Constants Requirements				
Item	Description	Plasticity Index		Note
		Max	Min	
132	Embk(DENS CONT)(Type C)	40	8	1

County: Rockwall

Highway: FM 549

Note 1: Material excavated from the project must meet the PI requirements when used in the top 10 feet of embankment that supports the pavement structure or other locations shown in the plans. Do not use shale and obtain approval to incorporate shaley clay produced by the construction project.

Table 2: Basis of Estimate for Permanent Construction					
Item	Description	Thickness	Rate		Quantity
164	Straw/Hay Mulch Seed (Perm)	N/A	N/A	N/A	106218 SY
166 *	Fertilizer (12-6-6)	N/A	500	Lb/Ac	5.5 Ton
168	Vegetative Watering (Warm)**	N/A	7	MG/Ac/Day	13668 MG
310	Prime Coat (MC-30)	N/A	0.20	Gal/SY	18129 Gal
341	Hot Mix Asphalt (Ty C)		110	Lbs/SY/In	12452 Ton
* For contractor's information only					
**Adjust for actual field conditions/temperatures as necessary. See Vegetation Establishment Plan Sheet for estimated daily rates.					
Note: (1) Base material weight based on 1.50 Ton/CY (dry- compacted) (2) Asphalt weight based on 110 Lbs/SY/In					

Table 3: Basis of Estimate for Temporary Erosion Control Items				
Item	Description	Rate		Quantity
164	Drill Seeding (Temp) (Warm or Cool)	See Specifications		SY
166*	Fertilizer (12-6-6)	500	Lb/Ac	Ton
168	Vegetative Watering (Warm)**	7	MG/Ac/Day	13668 MG
*For Contractor's Information Only.				
**Adjust for Actual Field Conditions/Temperatures as Necessary. See Vegetation Establishment Sheet for estimated daily rates.				

GENERAL

The construction, operation and maintenance of the proposed project will be consistent with the state implementation plan as prepared by the Texas Commission on Environmental Quality.

The disturbed area for this project, as shown on the plans is 7.68 acres. However, the Total Disturbed Area (TDA) will establish the required authorization for storm water discharges. The TDA of this project will be determined by the sum of the disturbed area in all project locations in the contract, and all disturbed area on all Project-Specific Locations (PSL) located in the project limits and/or within 1 mile of the project limits. The department will obtain an authorization to

County: Rockwall

Highway: FM 549

discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction site as shown on the plans, according to the TDA of the project. The contractor will obtain any required authorization from the TCEQ for the discharge of storm water from any PSL for construction support activities on or off of the project row according to the TDA of the project. When the TDA for the project exceeds 1 acre, provide a copy of the appropriate application of permit (NOI, or Construction Site Notice) to the engineer, for any PSL located in the project limits or within 1 mile of the project limits. Follow the directives and adhere to all requirements set forth in the TCEQ, Texas Pollution Discharge Elimination System, Construction General Permit (TPDES, CGP).

Leave all right of way areas undisturbed until actual construction is to be performed in said areas.

Provide the Engineer with a copy of all Disadvantage Business Enterprise (DBE) subcontractor agreements prior to commencing work.

Submit all payrolls for this project through The Electronic Project Record System (EPRS). The Electronic Payrolls is an online program offered by the Texas Department of Transportation. The EPRS - Electronic Payrolls allows contractors working for TxDOT to submit their payrolls over the internet instead of mailing in a paper copy of their payroll.

Item 2:

Submit pre-letting questions, by email only, to the attention of Area Engineer or Assistant Area Engineer that contains "CSJ 1015-01-025, ETC. CONTRACTOR QUESTIONS" in the subject line.

Area Engineer's Email: Jeffrey.Bush@txdot.gov

Assistant Area Engineer's Email: Brenda.Callaway@txdot.gov

Answers will be provided by email.

In addition, an electronic file containing pre-letting questions and answers will be uploaded to the following site that can be downloaded by using the Login Name and Password as follows:

Website Address: <ftp://ftp.dot.state.tx.us>

Login Name: Kaufman-ao-ro

Password: L26B29

Item 5:

Underground utilities owned by the Texas Department of Transportation may be present within the Right-Of-Way on this project. For signal, illumination, surveillance, and communications & control maintained by TxDOT, call the TxDOT Traffic Signal Office (214-320-6682) for locates a minimum of 48 hours in advance of excavation. For irrigation systems, call TxDOT Landscape Office (214-320-6636) for locates a minimum of 48 hours in advance of excavation. If city or town owned irrigation facilities are present, call the appropriate department of the local city or town a minimum of 48 hours in advance of excavation. The Contractor is liable for all damages incurred to the above mentioned utilities when working without having the utilities located prior to excavation.

For the project to be deemed complete, permanently stabilize all unpaved disturbed areas of the project with a vegetative cover at a minimum of 70% density for the control of erosion.

County: Rockwall

Highway: FM 549

Item 7:

Repair or replace any structures and utilities that might have been damaged by negligence or a failure to have utility locates performed.

Perform all electrical work in accordance with the National Electrical Code and Texas Department of Transportation Specifications.

Consult with appropriate electric company representatives according to their respective area to coordinate electrical services installations.

Item 8:

This Project will be a Five-Day Workweek in accordance with Article 8.3.1.1.

Meet weekly with the engineer to notify him or her of planned work for the upcoming week.

Provide the engineer with a daily work schedule of planned work.

Submit CPM schedule in P3 or P6 format.

Item 100:

Remove the existing roadway small signs, delineators and object markers as shown on the plans, or as directed, during construction within the right of way. Small sign, delineator and object marker removals are subsidiary to this Item.

The limits of preparing right of way will be measured FM 549 from Sta. 108+54.64 to Sta. 228+09.89 along the centerline of construction.

The limits of preparing right of way will be measured FM 1139 from Sta. 0+00 to Sta. 152+44.14 along the centerline of construction.

The limits of preparing right of way will be measured SH 205 from Sta. 328+00 to Sta. 357+50 along the centerline of construction.

Items 105, 251, and 354:

Saw existing asphalt along neat lines where portions are to be left in place temporarily or permanently. Sawing is not paid for directly, but is subsidiary to this item.

Take possession of recycled asphalt pavement from the project and recycle the material.

Properly dispose of unsalvageable material at your own expense.

Slope longitudinal faces greater than 1 ¼" to a minimum of 1:1 slope at the end of the work period if traffic is able to traverse the joint. Slope transverse tapers to a minimum of 36:1 at the end of the workday. Remove the taper prior to continuing the milling.

For open shoulder sections, plane the asphalt so the flow of water is not impeded at the shoulder edge or across the surface. Added planing up to three feet in width outside the lines and grades of the plans, necessary to provide proper drainage, will be subsidiary to the bid item.

County: Rockwall

Highway: FM 549

Remove the loose material from the roadway before opening to traffic.

Patch pavement cut to excessive depth by equipment failure with an approved epoxy material. Re-plane patched area to an acceptable approved ride quality. Payment for these corrections is subsidiary to this item.

In areas where material is removed, as directed, to depths greater than those specified on the plans, measurement will be made by dividing the actual depth of such area by the plan depth or if specified as a range the midpoint depth and then multiplying this figure by the area in square yard of work performed.

Item 110:

Excavated shale is not an acceptable material for embankment.

Items 110 and 132:

Scarify and loosen the excavated areas, unpaved surface areas, except rock, to a depth of at least 8 inches and compact in accordance with the specifications.

Excavation and embankment for driveways and intersections will not be paid for directly, but will be considered subsidiary to these items.

Item 132:

Excavated material from the project site has not been determined to be suitable for embankment. The bidder assumes all risk for the use of excavated materials for embankment and is expected to meet all material requirements for embankment regardless of the source.

Perform Tex-106-E (Plasticity Index) by an approved laboratory on excavated soils from sources outside right of way when used in roadway embankment. Provide the test results at no expense to the department. The engineer will sample and test soils produced by the construction project for specification requirements or material sources specified in the plans.

Earth embankment Type C, is mainly composed of material other than shale. Furnish material that is free from vegetation or other objectionable material and that conforms to the requirements of Table 1 (Sheet B). If necessary, treat material with lime slurry in accordance with Item 260, "Lime Treatment (Road-Mixed)" in order to meet these requirements. Use Tex-121-E, figure 1, page 4 to calculate the amount of lime required. When lime treated subgrade is specified, 3000 PPM is the maximum allowed sulfate content in the top 3 feet when material comes from borrow source. Follow recommendations of 260.4.4 for mixing and mellowing. The engineer will test material placed or excavated to a depth of one foot below and laterally to one foot outside the proposed treatment limit. Lime treatment of this material will not be paid for directly, but will be considered subsidiary to this item.

Do not use shaley clays in embankment unless approved in writing.

Item 134:

Start backfilling pavement edges as soon as possible after the surface course is started.

Backfill and compact the pavement edges to produce a smooth surface adjacent to the pavement with no vertical edges.

County: Rockwall

Highway: FM 549

Use Type "A" or "B" material to backfill pavement edges as shown in plans. Type "A" or "B" material shall consist of suitable material that when compacted will support the pavement edge. Rap is considered suitable Type "A" or "B" material.

Blade the existing vegetation into a neat wind-row prior to overlay. After placing Ty A or Ty B backfill and placing seeding, the material from the wind-row shall be replaced on the completed slopes. Emulsion shall be placed at a 50/50 solution of water to emulsion over disturbed area. Emulsion rate=0.15 Gal/SY residual. This work, materials and equipment shall be subsidiary to Item 134.

Item 169:

Hydraulically apply Flexterra FGM, CocoFlex ET-FGM, or Earth Guard or install North American Green SC150 for erosion control on the specified slopes or areas in the construction plan. Apply as required per manufacturer's recommendations. Use Tables under Item 164 to determine type of seeds to be used. Water for application, seeding, labor, equipment, tools, supplies, materials, fertilizer and incidentals will not be paid for directly but will be subsidiary to this Item.

Item 247:

Provide Type D, Grade 4 Flexible Base that meets the following requirements:

PERCENT RETAINED ON SIEVE (%)				
1-3/4"	7/8"	3/8"	NO. 4	NO. 40
0	10-35	30-50	45-65	70-85

LIQUID LIMIT %, MAX: 40

LINEAR BAR SHRINKAGE %, MAX: 6.0

WET BALL MILL %, MAX: 40

WET BALL MILL %, MAX INCREASE PASSING THE NO .40 SIEVE: 20

CLAY BALLS %, MAX: 1.0

Construct uniform layer thickness of 12 inches, or less with the required density and moisture content. Minimum PI is equal to three (3) for all grades.

Item 251:

The maximum ratio of asphalt allowed to be reworked as a part of the existing base is 50% of the total mixture of the section.

Item 310:

Do not use MC-30 on base courses placed between April 16 and September 15.

Item 316:

*Asphalt Rate (Gal/SY) 0.38

*Aggregate Rate(CY/SY) 1:115

*The information above is intended to provide general guidance and basis of estimate.

County: Rockwall

Highway: FM 549

In addition to the temperature requirements of this Item, AC Asphalts used in Surface Treatments and Sealcoats must be placed between May 15 and August 31. Emulsions may be substituted for AC Asphalts outside this timeframe only with the approval of the Engineer.

Item 341:

Tack Coat is required.

Design for a target Laboratory-molded density of 97.0% when using the Texas Gyratory Compactor (TGC) (Tex-204-F, Part I).

Use aggregate that meets the Surface Aggregate Classification (SAC) requirement of Class B.

Provide the engineer the opportunity to witness all mixture design tests. The engineer may require a retest if not given the opportunity to witness.

Dilution of tack is not allowed.

Provide PG binder 70-22 in Type C mixture.

Slope longitudinal faces greater than 1 ¼" to a minimum of 1:1 slope at the end of the work period so traffic is able to traverse the joint. Slope transverse tapers to a minimum of 36:1 at the end of the workday.

Butt joints will be required at driveways and intersecting streets. Butt joints will not be paid for directly but will be considered subsidiary to the various bid items.

Insure any flow of water is not impeded at the pavement edge or across the surface.

Item 400:

Structural Excavation is not paid for directly but is considered subsidiary to pertinent Items.

When placing concrete storm drain pipe on slopes of greater than 10 percent, provide cement stabilized backfill to a depth shown on the plans.

Item 464:

The concrete collars and the connections of pipes to existing or proposed concrete boxes or pipe will not be paid for directly but will be considered subsidiary to the various bid items.

At locations where storm drains dead-end, plug with a concrete plug of a thickness equal to 1 ½ inches per foot of diameter of pipe with a minimum thickness of 3 inches. The cost of the plugs shall be included in the unit price bid per foot of the various storm drain pipes.

Item 496:

Concrete pavement removed as a result of removing the inlets will not be paid for directly but will be considered as subsidiary to Item 496.

Inlet grates and manhole covers become the property of the contractor for disposal.

County: Rockwall

Highway: FM 549

Item 500:

Material On Hand (MOH) will not be used in calculating partial payments for Mobilization.

Item 502:

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.

Access will be provided to all business and residences at all times. Where turning radii are limited during phased construction at intersections, provide all weather surfaces such as RAP or base in turning movements to accommodate and to protect the traffic from edge drop-offs. Materials, labor, maintenance and removal for these temporary accesses and radii will not be paid for directly but will be considered subsidiary to the various bid items.

Provide written proposed lane closure information by 1:00 pm on the business day prior to the proposed closures. Do not close lanes when this requirement is not met.

When excavation is required next to a pavement lane carrying traffic and the widening is not completed by the end of the work day, backfill against the edge of the pavement with at least a 3:1 slope using an acceptable material to support vehicular traffic. Carefully remove and dispose of this material when work resumes. Backfilling pavement edges, and the materials required for the work will be subsidiary to this item.

Place barricades and signs in locations that do not obstruct the sight distance of drivers entering the highway from driveways or side streets.

Do not commence work on the road before sunrise. Do not operate or park any equipment/machinery closer than 30 feet from the traveled roadway after sunset unless authorized by the engineer.

When moving unlicensed equipment on or across any pavement or public highways, protect the pavement from all damage using an acceptable method.

Provide 2 shadow vehicles equipped with truck mounted attenuators as shown on the traffic control plan.

Traffic Control Plans with Lane Closures causing backups of 20 minutes or greater in duration will be modified by the Engineer.

Limit lane closures along FM 549, FM 1139, SH 205, and SH 276 to the hours between 9:00 am and 3:30 pm. Work in other areas of the project is not restricted to this time frame.

Due to the limited existing pavement width and terrain; the contractor will need to utilize pilot car traffic handling during one way traffic control for operations in areas that do not provide adequate sight between the flaggers. The use of pilot cars will need to be in accordance with

County: Rockwall

Highway: FM 549

the TMUTCD and will not be paid for directly but will be considered subsidiary to the various bid items.

Item 506:

Take all practicable precautions to prevent debris from being discharged into the Waters of Texas or a designated wetland. Install Best Management Practices before demolition begins and maintain them during the demolition. Remove any debris or construction material that escapes containment devices and are discharged into the restricted areas, before the next rain event or within 24 hours of the discharge.

Provide SW3P Signs. Obtain from the Engineer a copy of the project's completed TPDES Storm Water Program Construction Site Notice and signed Contractor Certification Statement. Laminate the sheets and bond with adhesive to 36" X 36" plywood sign blanks. Ensure the sheets remain dry. Apply Type C Blue reflective sheeting as the background and add the text "SW3P" in 5" white lettering, centered at the top. Attach the signs to approved temporary mounts and locate at each of the project limits just inside the right of way line at a readable height or as directed by the Engineer. If the sign cannot be placed outside the clear zone, it must adhere to the TMUTCD. SW3P signs, maintenance, and reposting (for replacement or as needed to ensure readability) will be subsidiary to Item 502.

Item 540:

Furnish one type of post throughout the project except as specifically noted in the plans.

Item 585:

Use Surface Test Type A on all intersections and driveways.

Use Surface Test Type B pay adjustment schedule 2 on the travel lanes.

Items 644:

Prior to taking elevations to determine lengths for fabrication of sign posts and/or sign support towers, obtain verification of all proposed locations.

Provide field galvanizing and metallizing equipment, as per Item 445, at all times and make repairs to galvanized surfaces according to the above specification item at intervals as directed.

All sign mounts shall have a clamp base system for all small roadside sign assemblies.

After sign supports with signs attached have been erected, wash individual units requiring cleaning with an approved cleaning solution to remove all grease, oil, dirt, smears, streaks, and other foreign particles.

Item 677:

A water blasting method approved by the Engineer will be the only method allowed for the removal of permanent and temporary pavement markings except on a sealcoat surface. A 2 foot wide sealcoat will be required on sealcoat surfaces to eliminate permanent and temporary pavement markings.

CSJ: 1015-01-025, ETC.

Sheet 22

County: Rockwall

Highway: FM 549

Item 730:

At the discretion of the Engineer, mow non-paved areas within the project prior to placement of permanent vegetation. Mow up to three (3) cycles per growing season.

CONTROL : 1015-01-025, ETC
PROJECT : STP 1502(325), ETC
HIGHWAY : FM 549, ETC
COUNTY : ROCKWALL

TEXAS DEPARTMENT OF TRANSPORTATION

GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS

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

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

ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS
ITEM 100 PREPARING RIGHT OF WAY (100)
ITEM 105 REMOVING TREATED AND UNTREATED BASE AND ASPHALT PAVEMENT
ITEM 110 EXCAVATION (132)
ITEM 132 EMBANKMENT (100) (160) (204) (210) (216) (260) (400)
ITEM 134 BACKFILLING PAVEMENT EDGES (162) (166) (168) (300) (314)
ITEM 164 SEEDING FOR EROSION CONTROL (162) (166) (168)
ITEM 168 VEGETATIVE WATERING
ITEM 169 SOIL RETENTION BLANKETS
ITEM 247 FLEXIBLE BASE (105) (204) (210) (216) (520)
ITEM 251 REWORKING BASE COURSES (204) (210) (216) (247) (520)
ITEM 275 CEMENT TREATMENT (ROAD-MIXED) (132) (204) (210) (216) (247)
(300) (310) (520)
ITEM 310 PRIME COAT (300) (316)
ITEM 316 SEAL COAT (210) (300) (302)
ITEM 340 DENSE-GRADED HOT-MIX ASPHALT (SMALL QUANTITY) (300) (301)
(320) (520) (585)
ITEM 341 DENSE-GRADED HOT-MIX ASPHALT (300) (301) (320) (520) (585)
ITEM 354 PLANING AND TEXTURING PAVEMENT
ITEM 400 EXCAVATION AND BACKFILL FOR STRUCTURES (110) (132) (401)
(402) (403) (416) (420) (421) (423)
ITEM 402 TRENCH EXCAVATION PROTECTION
ITEM 403 TEMPORARY SPECIAL SHORING (410) (411) (423)
ITEM 432 RIPRAP (247) (420) (421) (431) (440)
ITEM 460 CORRUGATED METAL PIPE (400) (402) (403) (445) (467) (476)
ITEM 462 CONCRETE BOX CULVERTS AND DRAINS (400) (402) (403) (420)
(421) (422) (424) (440) (464) (476)
ITEM 464 REINFORCED CONCRETE PIPE (400) (402) (403) (467) (476)
ITEM 466 HEADWALLS AND WINGWALLS (400) (420) (421) (432) (440) (464)
ITEM 467 SAFETY END TREATMENT (400) (420) (421) (432) (440) (442) (445)

(460) (464)

ITEM 479 ADJUSTING MANHOLES AND INLETS (400) (421) (465) (471)

ITEM 496 REMOVING STRUCTURES

ITEM 500 MOBILIZATION

ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING

ITEM 504 FIELD OFFICE AND LABORATORY

ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS (161) (432) (556)

ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS (247) (260) (263) (275) (276) (292) (316) (330) (334) (340) (360) (421) (440)

ITEM 540 METAL BEAM GUARD FENCE (421) (441) (445) (529)

ITEM 544 GUARDRAIL END TREATMENTS

ITEM 560 MAILBOX ASSEMBLIES

ITEM 644 SMALL ROADSIDE SIGN ASSEMBLIES (421) (440) (441) (442) (445) (636) (643) (656)

ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)

ITEM 662 WORK ZONE PAVEMENT MARKINGS (666) (668) (672) (677)

ITEM 666 RETROREFLECTORIZED PAVEMENT MARKINGS (316) (318) (502) (662) (677) (678)

ITEM 672 RAISED PAVEMENT MARKERS (677) (678)

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

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

WAGE RATES

SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000---001)

SPECIAL PROVISION "NONDISCRIMINATION" (000---002)

SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT"
 (000---003)

SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO
 ENSURE EQUAL EMPLOYMENT OPPORTUNITY" (000---004)

SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
 CONSTRUCTION CONTRACT SPECIFICATIONS" (000---005)

SPECIAL PROVISION "ON-THE-JOB TRAINING PROGRAM" (000---006)

SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL AID
 CONTRACTS" (000---007)

SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000---010)

SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000---098)

SPECIAL PROVISION TO ITEM 6 (006---001)

SPECIAL PROVISION TO ITEM 7 (007---001)

SPECIAL PROVISION TO ITEM 8 (008---010)

SPECIAL PROVISION TO ITEM 506 (506---001)

SPECIAL SPECIFICATIONS:

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