

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 7/30/2021

Control	0079-03-051
Project	F 2021(766)
Highway	US 67
County	COMANCHE

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: F 2021(766)

CONTROL: 0079-03-051

COUNTY: COMANCHE

LETTING: 08/05/2021

REFERENCE NO: 0730

PROPOSAL ADDENDUMS

___ PROPOSAL COVER

X BID INSERTS (SH. NO.: 4,5,6,7)

X GENERAL NOTES (SH. NO.: 1)

X SPEC LIST (SH. NO.: 1,2,3)

___ SPECIAL PROVISIONS:

ADDED:

DELETED:

___ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: PLAN SHEET AND OTHER CHANGES

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

*****BID INSERTS*****

ADDED THE FOLLOWING BID ITEM: 529-6008

*****GENERAL NOTES*****

SHEET A: REVISED NOTES FOR EMBANKMENT REQUIREMENTS

*****SPEC LIST*****

ADDED THE FOLLOWING SPEC ITEM: 529

*****PLAN SHEETS*****

SHEET 005 (GENERAL NOTES):REVISED NOTES FOR EMBANKMENT REQUIREMENTS
SHEET 013 (QUANTITY SHEET):REVISED QUANTITIES
SHEET 013A(QUANTITY SHEET):REVISED QUANTITIES

Printed Name of Authorized Signer: _____

Signature of Authorized Signer: _____ Date: _____

PROJECT F 2021(766)
 COUNTY COMANCHE

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

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	6003		PREPARING ROW(TREE)(5" TO 12" DIA) DOLLARS and CENTS	EA	3.000	1
	110	6001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	858.000	2
	132	6006		EMBANKMENT (FINAL)(DENS CONT)(TY C) DOLLARS and CENTS	CY	881.000	3
	150	6003		BLADING DOLLARS and CENTS	LF	1,963.000	4
	164	6001		BROADCAST SEED (PERM) (RURAL) (SANDY) DOLLARS and CENTS	SY	4,438.000	5
	164	6009		BROADCAST SEED (TEMP) (WARM) DOLLARS and CENTS	SY	2,219.000	6
	164	6011		BROADCAST SEED (TEMP) (COOL) DOLLARS and CENTS	SY	2,219.000	7
	168	6001		VEGETATIVE WATERING DOLLARS and CENTS	MG	100.000	8
	216	6001		PROOF ROLLING DOLLARS and CENTS	HR	10.000	9
	247	6053	003	FL BS (CMP IN PLC)(TYD GR1-2)(FNAL POS) DOLLARS and CENTS	CY	2,227.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	316	6017	002	ASPH (AC-20-5TR) DOLLARS and CENTS	GAL	1,508.000	11
	316	6029	002	ASPH (RC-250) DOLLARS and CENTS	GAL	887.000	12
	316	6177	002	AGGR(TY-B GR-5 SAC-B) DOLLARS and CENTS	CY	33.000	13
	316	6224	002	AGGR(TY-PB GR-4 SAC-B) DOLLARS and CENTS	CY	37.000	14
	351	6006		FLEXIBLE PAVEMENT STRUCTURE REPAIR(10") DOLLARS and CENTS	SY	500.000	15
	354	6035		PLANE CONC PAV(0" TO 1") DOLLARS and CENTS	SY	7,901.000	16
	354	6045		PLANE ASPH CONC PAV (2") DOLLARS and CENTS	SY	2,437.000	17
	416	6003		DRILL SHAFT (30 IN) DOLLARS and CENTS	LF	20.000	18
	420	6051		CL C CONC (CULV) DOLLARS and CENTS	CY	4.480	19
	432	6002		RIPRAP (CONC)(5 IN) DOLLARS and CENTS	CY	39.500	20
	432	6009		RIPRAP (CONC) (CL B) (4") DOLLARS and CENTS	CY	1.750	21
	460	6010		CMP AR (GAL STL DES 3) DOLLARS and CENTS	LF	24.000	22

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	464	6009	001	RC PIPE (CL III)(42 IN) DOLLARS and CENTS	LF	186.000	23
	465	6009	001	JCTBOX(COMPL)(PJB)(5FTX5FT) DOLLARS and CENTS	EA	1.000	24
	465	6158	001	INLET(COMPL)(PAZD)(FG)(3FTX3FT-3FTX-3FT) DOLLARS and CENTS	EA	1.000	25
	467	6106		SET (TY I)(S=3 FT)(HW=3FT)(4:1)(C) DOLLARS and CENTS	EA	1.000	26
	467	6466		SET (TY II) (42 IN) (RCP) (6: 1) (P) DOLLARS and CENTS	EA	3.000	27
	467	6537		SET (TY II) (DES 3) (CMP) (6: 1) (P) DOLLARS and CENTS	EA	4.000	28
	496	6004		REMOV STR (SET) DOLLARS and CENTS	EA	4.000	29
	496	6007		REMOV STR (PIPE) DOLLARS and CENTS	LF	73.000	30
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	31
	502	6001	008	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	5.000	32
	506	6011	002	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	25.000	33
	506	6038	002	TEMP SEDMT CONT FENCE (INSTALL) DOLLARS and CENTS	LF	170.000	34

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	506	6039	002	TEMP SEDMT CONT FENCE (REMOVE) DOLLARS and CENTS	LF	170.000	35
	506	6041	002	BIODEG EROSN CONT LOGS (INSTL) (12") DOLLARS and CENTS	LF	260.000	36
	506	6043	002	BIODEG EROSN CONT LOGS (REMOVE) DOLLARS and CENTS	LF	260.000	37
	506	6053	002	ROCK FILTER DAMS (INSTALL) (TY 2) (6:1) DOLLARS and CENTS	LF	25.000	38
	529	6008		CONC CURB & GUTTER (TY II) DOLLARS and CENTS	LF	252.000	39
	530	6006		DRIVEWAYS (SURF TREAT) DOLLARS and CENTS	SY	357.000	40
	530	6009		TURNOUTS (SURF TREAT) DOLLARS and CENTS	SY	44.000	41
	533	6001		RUMBLE STRIPS (SHOULDER) DOLLARS and CENTS	LF	3,573.000	42
	533	6002		RUMBLE STRIPS (CENTERLINE) DOLLARS and CENTS	LF	3,389.000	43
	560	6007		MAILBOX INSTALL-S (WC-POST) TY 3 DOLLARS and CENTS	EA	3.000	44
	610	6004		RELOCATE RD IL ASM (TRANS-BASE) DOLLARS and CENTS	EA	2.000	45
	610	6103		REPLACE LUMINAIRE W/LED (400W EQ) DOLLARS and CENTS	EA	4.000	46

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	618	6046		CONDT (PVC) (SCH 80) (2") and DOLLARS CENTS	LF	441.500	47
	618	6047		CONDT (PVC) (SCH 80) (2") (BORE) and DOLLARS CENTS	LF	152.500	48
	620	6007		ELEC CONDR (NO.8) BARE and DOLLARS CENTS	LF	1,113.500	49
	620	6008		ELEC CONDR (NO.8) INSULATED and DOLLARS CENTS	LF	2,217.000	50
	624	6002		GROUND BOX TY A (122311)W/APRON and DOLLARS CENTS	EA	1.000	51
	624	6010		GROUND BOX TY D (162922)W/APRON and DOLLARS CENTS	EA	2.000	52
	628	6002		REMOVE ELECTRICAL SERVICES and DOLLARS CENTS	EA	1.000	53
	628	6004		ELC SRV TY A 120/240 060(NS)AL(E)SP(O) and DOLLARS CENTS	EA	1.000	54
	636	6001	001	ALUMINUM SIGNS (TY A) and DOLLARS CENTS	SF	109.500	55
	644	6001		IN SM RD SN SUP&AM TY10BWG(1)SA(P) and DOLLARS CENTS	EA	3.000	56
	644	6007		IN SM RD SN SUP&AM TY10BWG(1)SA(U) and DOLLARS CENTS	EA	4.000	57
	644	6076		REMOVE SM RD SN SUP&AM and DOLLARS CENTS	EA	10.000	58

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	658	6047		INSTL OM ASSM (OM-2Y)(WC)GND DOLLARS and CENTS	EA	1.000	59
	658	6073		INSTL OM ASSM (OM-2Y)(WC)GND(BI) DOLLARS and CENTS	EA	1.000	60
	662	6109		WK ZN PAV MRK SHT TERM (TAB)TY W DOLLARS and CENTS	EA	161.000	61
	662	6111		WK ZN PAV MRK SHT TERM (TAB)TY Y-2 DOLLARS and CENTS	EA	382.000	62
	666	6036	007	REFL PAV MRK TY I (W)8"(SLD)(100MIL) DOLLARS and CENTS	LF	676.000	63
	666	6147	007	REFL PAV MRK TY I (Y)24"(SLD)(100MIL) DOLLARS and CENTS	LF	64.000	64
	666	6303	007	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	3,573.000	65
	666	6312	007	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL) DOLLARS and CENTS	LF	330.000	66
	666	6315	007	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	6,998.000	67
	668	6077		PREFAB PAV MRK TY C (W) (ARROW) DOLLARS and CENTS	EA	8.000	68
	668	6085		PREFAB PAV MRK TY C (W) (WORD) DOLLARS and CENTS	EA	8.000	69
	672	6007		REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	72.000	70

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	672	6009		REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	446.000	71
	682	6003		VEH SIG SEC (12")LED(YEL) DOLLARS and CENTS	EA	8.000	72
	682	6005		VEH SIG SEC (12")LED(RED) DOLLARS and CENTS	EA	4.000	73
	685	6001		INSTALL RDSB FLASH BEACON ASSEMBLY DOLLARS and CENTS	EA	2.000	74
	685	6004		INSTL RDSB FLSH BCN ASSM (SOLAR PWRD) DOLLARS and CENTS	EA	4.000	75
	3077	6034		SP MIXES SP-C SAC-B PG76-22 DOLLARS and CENTS	TON	1,460.000	76
	3084	6001		BONDING COURSE DOLLARS and CENTS	GAL	2,123.000	77
	6056	6001		PREFORMED IN-LANE(TRANS) RUMBLE STRIP DOLLARS and CENTS	LF	160.000	78
	6185	6002	002	TMA (STATIONARY) DOLLARS and CENTS	DAY	120.000	79
	6185	6003	002	TMA (MOBILE OPERATION) DOLLARS and CENTS	HR	48.000	80

GENERAL NOTES

TEST TO BE IN ACCORDANCE WITH
TEXAS DEPARTMENT OF TRANSPORTATION
STANDARD TEST METHODS.

Item	Description	Soil Constants		
		Max LL.	Max. PI	Min. PI
* 132	Embankment (FINAL)(DENS CONT)(TY C)	40	25	3
**247	FL BS (CMP IN PLC)(TYD GR1-2)(FNAL POS)			3

* Applies to borrow only.

** Strength testing requirements for flexible base are not required for this project.

Job control samples for gradation and P.I. testing will be taken from the windrow after blade mixing.

Asphalt Surface Areas-SY

Item	Description	Course	Roadway	Widening	Intersections
316	ASPH (RC-250)	1 st		2731	1702
316	Aggr (TY-B GR-5)(SAC-B)	1 st		2731	1702
316	Asph (AC-20-5TR)	2 nd		2731	1702
316	Aggr (TY-PB GR-4)(SAC-B)	2 nd		2731	1702
3077	SP MIXES SP-C SAC-B PG 76-22	3 rd	8834	2731	1702
3084	BONDING COURSE	Tack	8834	2731	1702
6035	PLANE CONC PAV (0" TO 1")	2 nd	7901	-	
6045	PLANE CONC PAV (2")	2 nd	933	-	1504

Basis of Estimate

Item	Description	Course	Rate	SY	Quantity
316	ASPH (RC-250)	1 st	0.20 Gal/Sy	4433	887 GAL
316	Aggr (TY-B GR-5)(SAC-B)	1 st	135 SY/CY	4433	33 CY
316	Asph (AC-20-5TR)	2 nd	0.34 Gal/Sy	4433	1508 GAL
316	Aggr (TY-PB GR-4)(SAC-B)	2 nd	120 SY/CY	4433	37 CY
3077	SP MIXES SP-C SAC-B PG 76-22	3 rd	220 lbs/sy/in	13267	1460 TONS
3066	BONDING COURSE	Tack	0.16 Gal/Sy	13267	2123 GAL
6035	PLANE CONC PAV (0" TO 1")	2 nd	-	7901	7901 SY
6045	PLANE CONC PAV (2")	2 nd	-	2437	2437 SY

The Contractor will not be allowed to store equipment, materials, incidentals, hazardous chemicals, petroleum products, concrete washouts, etc. in the Department's R.O.W. without written permission from the Engineer.

See the "Environmental" section of the plans for additional information.

TEXAS ONE CALL

Fiber optic cable systems, gas lines, underground power lines, water lines, sewer lines, and other various utilities may be buried within the project limits. Protection of these utility systems is of extreme importance since any break could disrupt service to users resulting in business interruption and loss of revenue and profits. The Contractor shall telephone Texas One Call at 1-800-344-8377 (a 24-hour number), to determine if utilities are buried anywhere on the project in accordance with all UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY laws. This action; however, will in no way be interpreted as relief of responsibilities under the terms of the Contract as set out in the plans and specifications. Coordinate the repair of all damages caused by daily operations and have facilities restored to service in a timely manner as directed at no additional cost to TxDOT.

GENERAL

Unless specifically noted as applying to only a certain project or projects, these general notes will apply to all projects associated to this contract.

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

<u>Name</u>	<u>Email Address</u>
Jordan Perry, P.E.	Jordan.perry@txdot.gov

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

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

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

All questions submitted that generate a response will be posted through this site. The site is organized by District, Project Type (Construction or Maintenance), Letting Date, CCSJ/Project Name.

The term "Article" or "Section" referred to hereon is defined in the forward of the Standard Specifications for Construction and Maintenance of Highways, Streets, And Bridges adopted by the Texas Department of Transportation November 2014.

Saw-Cutting with approved equipment as directed by the Engineer will be required at project limits, longitudinally, and/or at notch downs to establish clean and straight joints. This work will not be paid for directly but will be considered subsidiary to various bids.

The total disturbed area is shown on the SW3P sheet(s).

All electrical submittals will be forwarded to District Director of Operations (325-643-0417). No electrical work will be performed prior to approval of electrical materials.

The Contractor will establish drainage in ditches before seeding or as directed by the Engineer.

Watering for dust control will be required as Directed by the Engineer and will be considered subsidiary to the various bid items.

ITEM 5 CONTROL OF WORK

The responsibility for the construction surveying on this contract will be in accordance with Section 5.9.1. "Method A".

The contractor will be required to place and maintain Blue Tops with wooden hubs for each layer of pavement structure material unless otherwise directed by the Engineer.

Prior to contract letting, bidders may obtain a free computer diskette or a computerized transfer of files (from the Engineer's office) that contains the earthwork information. If copies of the actual cross-sections in addition to, or instead of, the diskette are requested, they will be available at the Engineers office for borrowing by copying companies for the purpose of making copies for the bidder at the bidder's expense.

When a precast or cast-in-place concrete element is included in the plans, a precast concrete alternate may be submitted in accordance with "Standard Operation Procedure for Alternate Precast Proposal Submission" found online at <https://www.txdot.gov/inside-txdot/forms-publications/consultants-contractors/publications/bridge.html#design>. Acceptance or denial of an alternate is at the sole discretion of the Engineer. Impacts to the project schedule and any additional costs resulting from the use of alternates are the sole responsibility of the Contractor.

ITEM 7 LEGAL RELATIONS AND RESPONSIBILITIES

No significant traffic generator events identified.

ITEM 8 PROSECUTION AND PROGRESS

Working days will be computed and charged in accordance with Section 8.3.1.4. "Standard Workweek".

Work will not be performed without time being charged unless otherwise exempted by the Section as defined above.

TCP setup, work, or any other activity that impedes traffic will not be allowed before 7:30 a.m.

Work on Sunday(s) will not be allowed.

Working day charges will be in accordance with **SP 008---003** (90 calendar days after the date of the written authorization to begin work. Do not begin any work before the end of this period unless authorized

in writing by the Engineer.) **This delay is for the inability to acquire Illumination Poles and accessories in a timely manner.**

Construction will be completed in order, sequentially; as described in the traffic control plan phasing. Each step/phase will be completed before starting on the next step/phase unless otherwise approved by the Engineer.

PROJECT SCHEDULES

For monthly submittals, the Contractor will provide the schedule in an Adobe Acrobat compatible format (PDF file). If the Engineer requests the schedule in an electronic format, the Contractor will submit a schedule that is fully compatible with Primavera P6 Professional Release 15.

ITEM 132 EMBANKMENT

Shape the embankment, near the drainage structures, to the slope of the safety end treatment.

Embankment for the drainage structures is included in the quantities shown on the plan sheets.

“Final” embankment that is not accounted for in the cross section(s) or typical section(s) but that has been estimated or shown for informational purposes, e.g., additional areas around S.E.T.s, etc.; will be measured in its final position as defined in Section 132.4.1. Shrinkage or swell factors will not be considered in determining the calculated quantities.

ITEM 150 BLADING

Blading is estimated at 3804 LF for the entire project.

ITEM 164 SEEDING FOR EROSION CONTROL

The Contractor should anticipate multiple mobilizations for seeding.

ITEM 168 VEGETATIVE WATERING

Water all areas of project to be seeded.

Vegetative watering is estimated at 1 inch per week for 4 weeks.

Vegetative watering may be adjusted as directed by the Engineer to ensure saturation for vegetative establishment.

ITEM 216 PROOF ROLLING

Proof Rolling will be required for each traffic lane (travel lanes, center turn lanes, right-hand/left-hand turn lanes, deceleration lanes, acceleration lanes, etc.) throughout the entire project and is estimated at 10 hours.

ITEM 310 PRIME COAT

RC-250 prime placed shall have a cure time of 7 days minimum before placing subsequent surface courses unless otherwise directed by the Engineer.

ITEM 316 SURFACE TREATMENTS

The Department will witness the Transverse Distribution Test Tex-922-K, Part III. In accordance with **Section 316.3.1.3.1**, the type and grade of asphalt will be used to run the test unless otherwise directed by the Engineer. Paper or digital copies of all tests will be required before work begins.

The Contractor will furnish the distributor nozzles.

In addition to other asphalt distributor requirements, the asphalt distributor will be capable of providing a transversely varied asphalt rate. The Contractor will demonstrate that the distributor can apply an asphalt rate outside of the wheel path locations between 22 and 32 percent higher than the asphalt rate being applied in the wheel paths. The Contractor's calibration of the distributor will include verification of this capability and a description of the spray bar(s) and nozzles to be used. The percentage difference in the asphalt rate provided by each tested spray bar and nozzle arrangement will be provided to the Engineer. The Engineer will select the pavements where the transversely varied asphalt rates are to be provided.

All precoated aggregate will use PG 64-22 asphalt.

Furnish aggregate with a minimum B surface aggregate classification.

The asphalt rates shown hereon are for average conditions. The rate may be varied as determined by the Engineer to obtain proper embedment of aggregate.

Warm season asphalts are not to be placed between September 1st and April 30th unless otherwise directed/approved.

Protect all existing bridges, and other exposed concrete surfaces within the limits of this project(s), as much as practicable, from asphalt materials by any means approved by the Engineer at the contractor's expense.

Use a medium pneumatic roller meeting the requirements of Item 210 as directed by the Engineer. This work will be subsidiary to the various bid items.

ITEM 351 FLEXIBLE PAVEMENT STRUCTURE REPAIR

The contractor will mark locations of flexible pavement repair for approval by the Engineer before starting work on the repair areas.

Locations may be changed and/or added as directed by the Engineer.

For maintaining the existing pavement during construction, a Dense-Grade Hot-Mix Asphalt Ty B 64-22 at 10" thick will be used unless otherwise approved. 500 SY for repair is estimated for this project.

ITEM 354 PLANNING AND TEXTURING PAVEMENT

Grade Referencing will be required as defined in Article 354.3.1 or as directed by the Engineer.

The planed asphaltic material will become property of the Contractor.

Contractor will provide a 12-foot minimum fine tooth milling drum with a teeth spacing range of ¼ to ½ inch apart. Grade referencing will be required as specified in 354.3.1. Milling operations will not advance faster than 30 feet per minute (fpm) or be based as a function of the RPMs of the milling drum such that the full uniform texture pattern is achieved with the speed of the milling operation in fpm limited to 30% of the drums RPMs. Any proposal to advance faster than this speed will be discussed with the Engineer and proven on a test strip of the Engineer's choosing, and will result in no repeated inconsistencies in texture

ITEM 416 DRILLED SHAFT FOUNDATIONS

Casing is anticipated for the installation of the drilled shafts. Refer to **Section 416.3.3** for requirements.

ITEM 432 RIPRAP

Locations and quantities may be varied as directed by the Engineer to accommodate field conditions.

Limit excavation to within 1' of riprap. If excavation exceeds these limits without the Engineer's approval, riprap will be extended to the limits of the disturbance. No additional compensation will be allowed for this work.

ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING

The Contractor will be required to keep all TCP devices clean. If notified by the Engineer to clean the TCP devices, the Contractor will have until the end of that daylight period to comply. Failure to comply will result in a suspension of all work until the TCP devices are clean. Time will not be suspended.

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.

Excavations in Intersections adjacent to travel lanes will not be exposed or open overnight. Backfilling will take place the day excavations are made.

All equipment operated by the Contractor on or within thirty feet (30') of the roadway will have a functioning flashing beacon mounted on it. Motor graders will have two standard orange warning flags mounted on them in addition to the flashing beacon.

The Contractor will be responsible for maintaining the edge of the roadway throughout the project in a traversable condition and/or as directed by the Engineer. Salvaged milling may be used as directed by the

Engineer. This work will not be paid for directly and will be considered subsidiary to Item 502 "Barricades, Signs, and Traffic Handling".

All devices shown on the TCP Standards are required and considered subsidiary to Item 502 unless specifically outlined elsewhere in the plans.

All signs will be constructed in accordance with the details shown in the current Standard Highway Sign Designs for Texas manual.

ITEM 504 FIELD OFFICE AND LABORATORY

Furnish and provide a Type E structure that meets all of the following requirements:

1. Provide at least 325 square feet of gross floor area in rooms 8 feet high. Partition the floor area into at least 2 interconnected rooms with doors, 2 exterior doors, and at least 2 windows in each room. One exterior door opening must be 48-inch minimum width. If steps are required to gain access to the 48-inch door, provide handrails and a strong and sturdy loading dock with minimum dimensions of 60 inches wide by 60 inches deep.
2. The strong floor and landing of the facility shall support the weight of all equipment and personnel, providing a stable, essentially zero deflection, during testing operations, acceptable to the Engineer.
3. Conforms to Laboratory requirements in Item 504.2.1.2.2 and conforms to Asphalt Content by Ignition Method in Item 504.2.2.4.1
4. Provide water, electricity, chairs, trash disposal, and janitorial services.
5. Furnish and install adequate equipment, outlets, lighting, air-conditioning, heating, and ventilation. Provide a partitioned restroom furnished with restroom supplies, a lavatory, and a flush toilet connected to a sewer or septic tank.

This structure type will be located at each HMAC plant for the sole use of the Engineer and will be separate from the Contractors' testing lab. In addition, provide the following:

The Contractor will furnish the Superpave or Texas Gyrotory Compactor to the Engineer under the asphalt concrete pavement Item(s) of work.

The remaining lab testing equipment and calibrations will be provided by TxDOT.

No direct payment will be made for Engineer field labs. All construction, maintenance, utilities, custodial services, security, and permits necessary to establish and maintain readiness of this facility will be the responsibility of the Contractor.

ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS

The Engineer will determine actual time and placement locations of BMP's and temporary measures once construction has begun.

Stockpile sites may be cleared of cover vegetation, but the vegetation root system will not be destroyed.

ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS

The Contractor will always maintain access to driveways unless otherwise coordinated with the property owner(s) and approved by the Engineer.

All driveways, and turnouts will be primed and receive a two course surface treatment matching the rates as shown on the basis of estimate for "ROADWAY" unless otherwise shown on the plans or directed by the Engineer.

ITEM 560 MAILBOX ASSEMBLIES

Mailboxes will be kept in a position accessible to the carrier's vehicle along the travel way except when performance of grading operations necessitates the moving of mailboxes. When grading operations necessitate the moving of mailboxes, the contractor will place them at a nearby location which will be accessible to the carrier's vehicle. Mailboxes will be returned to a position accessible to the carrier's vehicle along the travel way when grading operations are not in progress. This work will not be paid for directly but will be subsidiary to Item 560.

A Type 2 Object Marker in accordance with Traffic Engineering standard Delineators & Object Markers or tube type post wrapped with 12" Conformable Reflective Sheeting in accordance with DMS 8300 will be required on both the approach and departure side of each mailbox assembly and will not be paid for directly but will be considered subsidiary to Item 560 Mailbox Assemblies.

ITEM 585 RIDE QUALITY FOR PAVEMENT SURFACES

Surface Test Type A will be required on this project.

Diamond grinding will not be allowed unless otherwise approved by the Engineer.

ITEM 600 ELECTRIC GENERAL

Electrical materials, wiring, and fittings not covered by the plans and specifications for this project will conform to the requirements of the current edition of the National Electrical Code as published by the National Fire Protection Association.

Contractor will maintain signals through construction with the exception of camera detection. Contractor will notify the District Director of Operations at 325-643-0417, 48 hours prior to beginning any electrical related work items and 48 hours prior to traffic switch so the district signal personnel can adjust the camera detection.

Electrical Contractor, Signal Shop personnel and Project Inspector will conduct a 'Tool Box' meeting to discuss upcoming electrical work.

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All materials will be from the pre-qualified material producer list, "Roadway Illumination and Electrical Supplies" located on the TxDOT website. Electrical submittals will be required for all materials not on the pre-qualified list.

All electrical submittals will be forwarded to District Director of Operations (325-643-0417). No electrical work will be performed prior to approval of electrical materials.

ITEM 610 ROADWAY ILLUMINATION ASSEMBLIES

All luminaire poles will be either **Steel or Aluminum**. **All Illumination Pole bases will be Transformer Base (T-Base) for breakaway capability.**

For both transformer and shoe-base type illumination poles, provide double-pole breakaway fuse holder as shown on the Texas Department of Transportation (TxDOT)-Construction Division's (CST) material producers list. Category is "Roadway Illumination and Electrical Supplies". Fuse holder is shown on list under Items 610 & 620. Provide 10 amp time delay fuses.

For instructions on submitting shop drawings electronically go to TxDOT home page, Divisions (bottom left), Bridge, Shop Drawings, Electronic Submission of Shop Drawings, Guide to Electronic Shop Drawing Submittal.pdf or click on the following link:

http://ftp.dot.state.tx.us/pub/txdot-info/library/pubs/bus/bridge/e_submit_guide.pdf

For project specific shop drawings, furnish drawings of the complete assembly in accordance with Item 441, "Steel Structures". Submit shop drawings electronically.

Pre-approved shop drawing manufacturers and assembly model numbers can be found on the Texas Department of Transportation(TxDOT) – Construction Division's(CST) material producer list. Category is "Roadway Illumination and Electrical Supplies."

Use 240 volt electronic LED drivers for luminaires on this project.

Provide 12 circuit Buchanan Type 112SN, Kulka Type 985-GP-10 CU, or equal terminal strip in the luminaire pole access compartment. The conductors for the line and load side of the terminal strip will be identified with a plastic label with two straps per tag. The load side will have each signal head and ped head identified on the tag.

Fabricate steel roadway illumination poles in accordance with TxDOT standards RIP (Roadway Illumination Poles -2011). Poles fabricated according to RIP require no shop drawings. Alternate designs to RIP or the use of aluminum to fabricate poles will require the submission of shop drawings electronically.

Limitations on Use of the RIP Standard

The Roadway Illumination Pole (RIP) standard details were developed for installations in locations where the 3-second gust basic maximum wind speed is 110 mph, and where the elevation of the base of the pole is less than (i.e. not more than) 25' above the elevation of surrounding terrain, in accordance with the

"AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals," 4th Edition (2001) (AASHTO Design Specifications). For poles to be installed in regions where the maximum basic wind speed exceeds 110 mph or to be mounted more than 25' above the surrounding terrain, the contractor will provide poles meeting the following requirements:

- Submittals. Following the electronic shop drawing submittal process (see http://ftp.dot.state.tx.us/pub/txdot-info/library/pubs/bus/bridge/e_submit_guide.pdf) the contractor will submit to the Engineer, for approval, fabrication drawings and calculations for the poles. The drawings and calculations will be sealed by a Texas registered or licensed professional engineer (P.E.).
- Luminaire Structural Support Requirements. Lighting poles, arms, and anchor bolt assemblies will have a 25 year design life to safely resist dead loads, ice loads and the required basic wind speeds at the location of installation in accordance with the current edition of the AASHTO Design Specifications. For transformer base poles, the fabricator will include transformer base and connecting hardware in calculations and shop drawing submittals. All transformer bases will have been structurally tested to resist the theoretical plastic moment capacity of the pole. Certification of the plastic moment load test and FHWA breakaway requirement test of the model of base being furnished will be submitted with the shop drawings. Shop drawings will show breakaway base model number, and manufacturer's name and logo. Manufacturer's shop drawings will include the ASTM designations for all materials to be used.

ITEM 618 CONDUIT

All conduit will be SCH 80 PVC.

Where PVC, duct cable, and HDPE conduit 1" and larger is allowed and installed as per TxDOT standards, provide a PVC elbow at all ground boxes and foundations.

See plans & specifications regarding type of conduit. High density polyethylene (HDPE) may be substituted where PVC is called out. High density polyethylene (HDPE) may be threaded and used with threaded PVC connectors or couplings. All couplings & connections will be tight & waterproof. Each end of every PVC pipe connection and/or coupling will be cleaned with PVC cleaner and glued thoroughly with PVC sealer. Proposed and existing conduit will be brought into a pull box and elbowed unless otherwise shown. Where a rigid metal conduit run terminates, a bushing will be provided to protect the wire from abrasion.

The conduit will be placed at a minimum depth of four 4 ft. unless otherwise shown on the plans or directed by the Engineer. If utility lines or other obstacles are at the 4 ft. minimum depth then the conduit will be routed under the utility or obstacle unless otherwise approved by the Engineer.

The conduit will be placed on a 2 in. Sand cushion and then backfilled with a minimum of six inch (6") sand fill. The remainder of the trench will be backfilled with flexible base or soil as required by location of conduit on the project.

Flexible metal will not be permitted on this project.

Use materials from prequalified material producers list as shown on the Texas Department of Transportation (TxDOT) - Construction Division's (CST) material producer list. Category is "Roadway Illumination and Electrical Supplies."

The polymer concrete barrier box will not be paid for separately, but will be considered subsidiary to ITEM 618, "CONDUIT".

ITEM 620 ELECTRICAL CONDUCTORS

Labeling conductors with label maker is acceptable.

Grounding conductors that share the same conduit, junction box, ground box or structure will be bonded together at every accessible point in accordance with the National Electrical Code.

For Flashing Beacons (Item 685) and Ped poles (Item 687) within the project, provide single-pole breakaway disconnects. Use Bussman HEBW, Littlefuse LEB, Ferraz-Shawmut FEB, or equal on ungrounded conductors.

For all grounded conductors use Bussman HET, Littlefuse LET, Ferraz-Shawmut FEBN, or equal. These breakaway connectors have a white colored marking and a permanently installed solid neutral.

ITEM 624 GROUND BOXES

All concrete used on ground boxes with aprons or cast in various slabs, will be as thick as the ground box depth within the dimensions as shown on TxDOT's ED Standard Sheets. No variance from this will be allowed.

ITEM 628 ELECTRICAL SERVICE

Any service installed by others will comply with all TxDOT standards from weather-head to fixtures.

Coordinate setting up the electrical service with the Area Engineer to insure the meter is installed under the proper account name.

Photocell enclosed in pedestal services will be orientated in a northerly direction unless otherwise directed.

The Contractor will verify conductor slack length at the weather head with the utility provider. If the utility provider requires a conductor slack length that does not meet the requirements shown on ED(7) notify the Engineer immediately for a resolution.

ITEM 644 SMALL ROADSIDE SIGN ASSEMBLIES

The Contractor will notify the Engineer 5 working days before installing any sign base. The Engineer will coordinate with the Contractor and the Maintenance office to assure proposed sign placements are in accordance with the current version of the Sign Crew Field Book and the TMUTCD. Any signs that are

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placed without this coordination by the Contractor that are not located correctly will be removed and relocated at the Contractor's expense.

For Triangular Slip Base systems use HWYCOM (3 way set screw), Southern Plains (2 bolt clamp), or approved equivalent.

Build signs not detailed in the plans according to the latest edition of the Standard Highway Sign Designs for Texas.

TxDOT will mark the locations of the SPEED LIMIT (R2-1) and REDUCED SPEED LIMIT AHEAD (W3-5) signs.

Existing roadside signs are to be removed/relocated and mounted on temporary supports and placed during construction as directed by the Engineer. The removal/relocation and temporary mounting of any existing sign (stop, yield, warning, etc.) will not be paid for directly but will be considered subsidiary to Item 644 unless otherwise directed by the Engineer.

Conformable Retroreflective Sheeting in accordance with DMS 8300 will be required on all Warning, Stop, and Yield signs. Retroreflective sheeting wrapped around a sign support is yellow unless the sign on the support is a Stop or Yield, in which case the sheeting will be red. Retroreflective sheeting will have a height on the post of 12 inches and the bottom of the sheeting will be 4 feet above the edge of the travel lane. Retroreflective sheeting will not be paid for directly but will be considered subsidiary to Item 644 Small Roadside Sign Assemblies.

ITEM 662 WORK ZONE PAVEMENT MARKINGS

Removable work zone pavement markings will be raised pavement markers unless otherwise approved by the Engineer.

Bituminous material used for raised pavement markers will be removed before the next lift of pavement material is placed.

Temporary tabs will not be placed on a road more than 24 hours prior to operations beginning on the road.

The temporary tabs will be removed by an acceptable method approved by the Engineer once final striping has been placed.

Temporary tabs will be placed in accordance with WZ (STPM) standard.

ITEM 666 RETROREFLECTORIZED PAVEMENT MARKINGS

A mobile retroreflectometer is not required for this project.

Type II markings must meet the following minimum retroreflectivity values for edgeline markings, centerline or no passing barrier-line, and lane lines when measured any time after 3 days, but not later than 10 days after application: White markings: 175 mcd/m²lx, Yellow markings: 100 mcd/m²lx.

Furnish a needlepoint micrometer gauge Mitutoyo - Model 342-711-30 or equivalent.

Sealed roadways will be allowed to cure for 3 days before final striping is placed unless otherwise directed by the Engineer.

All raised profile striping (edgeline and centerline) will use transverse bar profiles as described in section 666.4.3.1.2.

Unless otherwise approved, all 4 in. longitudinal striping (centerline, edgeline, etc.) will be placed and approved before any other striping (crosswalks, stop bars, arrows, numbers, etc.) is allowed to begin.

At all super-2 and climbing lane locations, double yellow will be placed to separate traffic. Passing zones that allow traffic to cross the centerline in to an oncoming lane will not be allowed.

ITEM 672 RAISED PAVEMENT MARKERS

Place raised pavement markers no sooner than 24 hours after final striping has been placed or as directed.

ITEM 680 INSTALLATION OF HIGHWAY TRAFFIC SIGNALS

Contractor will be responsible for all temporary control and operation of the traffic signal. Any components needed to facilitate this work will be the responsibility of the Contractor.

Traffic signals will be made of polycarbonate and be highway yellow in color. Cover heads until signal system is put into operation. All faces will be equipped with tunnel visors and backplates. Backplates will be black polycarbonate.

Controller cabinet will be grounded using a ground rod.

Controller cabinet will contain 2 ground boxes and a concrete pad. The concrete pad will be provided by the contractor, at no additional expense to TxDOT.

Wire nuts will not be permitted unless approved by the Engineer.

Signal signs will be subsidiary to this Item. (**Section 680.5.1.**)

The Traffic Signal Cabinet, Controller, and preformed cabinet base will be provided by TxDOT and installed by Contractor. Concrete pad will be provided by the Contractor.

ITEM 685 ROADSIDE FLASHING BEACON ASSEMBLIES

This roadside flashing beacon will have two poles, one as described in the plans and the second pole as close to the R.O.W. as possible or as directed by the Engineer.

Batteries will be mounted on the second (controller pole).

The flasher assembly will be capable of supporting two 12" LED beacons flashing for a 24 hour period.

The flasher assembly will be capable of supporting two 12" LED beacons for a school zone situation.

Roadside Flashing Beacon foundations will be Drilled Shaft type. See **TxDOT Standard TS-FD** for additional information.

ITEM 3066 BONDING COURSE

Rates will be adjusted in the field based on the exposed surface as directed by the Engineer.

ITEM 3077 SUPERPAVE MIXTURES

Binder substitution is not allowed.

RAP and RAS will not be allowed.

Superpave Mix to be placed in one lift.

See item 504 for additional structure requirements located at HMAC plant(s).

ITEM 6185 TRUCK MOUNTED ATTENUATOR (TMA) AND TRAILER ATTENUATOR (TA)

Provide the number of vehicles with truck mounted attenuators (TMA) listed in the table below. The Contractor will be responsible for determining if one or more of these operations will be ongoing at the same time to determine the total number of TMAs needed for the project.

STANDARD / PHASE	# TMA'S REQUIRED
TCP(1-1)	1
TCP(1-3)	1 per workspace
TCP(2-1)	1
TCP(2-2)	1
TCP(2-3)	1 per workspace
TCP(2-5)	1
TCP(3-1)	2
TCP(3-3)	2 or 3
TCP(3-4)	1 or 2 per workspace
TCP(7-1)	N/A to be used in conjunction with another TCP

Stationary shadow vehicle(s) with TMA are estimated at 120 days for this project. (60 days x 2 TMA)

Mobile shadow vehicle(s) with TMA are estimated at 48 hours for this project. (24 hours x 2 TMA's)

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PROJECT : F 2021(766)
HIGHWAY : US 67
COUNTY : COMANCHE

TEXAS DEPARTMENT OF TRANSPORTATION

GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS

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

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

ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS
ITEM 100 PREPARING RIGHT OF WAY (103)
ITEM 110 EXCAVATION (132)
ITEM 132 EMBANKMENT (100)(160)(204)(210)(216)(260)(400)
ITEM 150 BLADING
ITEM 164 SEEDING FOR EROSION CONTROL (162)(166)(168)
ITEM 168 VEGETATIVE WATERING
ITEM 216 PROOF ROLLING (210)
ITEM 247 FLEXIBLE BASE (105)(204)(210)(216)(520)
ITEM 316 SEAL COAT (210)(300)(302)(340)(520)
ITEM 351 FLEXIBLE PAVEMENT STRUCTURE REPAIR (132)(204)(247)(260)
(263)(275)(276)(292)(310)(316)(330)(334)(340)
ITEM 354 PLANING AND TEXTURING PAVEMENT
ITEM 416 DRILLED SHAFT FOUNDATIONS (405)(420)(421)(423)(440)(448)
ITEM 420 CONCRETE SUBSTRUCTURES (400)(404)(421)(422)(426)(427)
(440)(441)(448)
ITEM 432 RIPRAP (247)(420)(421)(431)(440)
ITEM 460 CORRUGATED METAL PIPE (400)(402)(403)(445)(467)(476)
ITEM 464 REINFORCED CONCRETE PIPE (400)(402)(403)(467)(476)
ITEM 465 JUNCTION BOXES, MANHOLES, AND INLETS (400)(420)(421)(424)
(440)(471)
ITEM 467 SAFETY END TREATMENT (400)(420)(421)(432)(440)(442)(445)
(460)(464)
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 529 CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER (360)

(420) (421) (440)

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

ITEM 533 MILLED RUMBLE STRIPS

ITEM 560 MAILBOX ASSEMBLIES

ITEM 610 ROADWAY ILLUMINATION ASSEMBLIES (416) (421) (432) (441) (442)
(445) (449) (614) (616) (618) (620) (622) (624) (628)

ITEM 618 CONDUIT (400) (476)

ITEM 620 ELECTRICAL CONDUCTORS (610) (628)

ITEM 624 GROUND BOXES (420) (421) (432) (440) (618) (620)

ITEM 628 ELECTRICAL SERVICES (441) (445) (449) (618) (620) (627) (656)

ITEM 636 SIGNS (643)

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

ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)

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

ITEM 666 RETROREFLECTORIZED PAVEMENT MARKINGS (316) (502) (662) (677)
(678) (6291)

ITEM 668 PREFABRICATED PAVEMENT MARKINGS (678)

ITEM 672 RAISED PAVEMENT MARKERS (677) (678)

ITEM 682 VEHICLE AND PEDESTRIAN SIGNAL HEADS

ITEM 685 ROADSIDE FLASHING BEACON ASSEMBLIES (441) (442) (445) (449)
(610) (618) (620) (621) (622) (624) (628) (656) (682) (684) (687)

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

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

WAGE RATES

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

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

SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO
ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE
ORDER 11246" (000---004)

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

SPECIAL PROVISION "ONTHEJOB TRAINING PROGRAM" (000---006)

SPECIAL PROVISION "CERTIFICATE OF INTERESTED PARTIES (FORM 1295)"
(000--1019)

SPECIAL PROVISION "CARGO PREFERENCE ACT REQUIREMENTS IN FEDERAL AID
CONTRACTS" (000---241)

SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL AID
CONTRACTS" (000---394)

SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000---658)

SPECIAL PROVISION "NOTICE OF CONTRACTOR PERFORMANCE EVALUATIONS"
(000---659)

SPECIAL PROVISIONS TO ITEM 2 (002---009) (002---011) (002---013)

SPECIAL PROVISIONS TO ITEM 3 (003---011) (003---013)

SPECIAL PROVISIONS TO ITEM 5 (005---002) (005---003)

SPECIAL PROVISIONS TO ITEM 6 (006---001) (006---012)
 SPECIAL PROVISIONS TO ITEM 7 (007---004) (007---008) (007---010)
 (007---011)
 SPECIAL PROVISIONS TO ITEM 8 (008---003) (008---030) (008---033)
 SPECIAL PROVISIONS TO ITEM 9 (009---010) (009---011)
 SPECIAL PROVISION TO ITEM 247 (247---003)
 SPECIAL PROVISION TO ITEM 300 (300---017)
 SPECIAL PROVISION TO ITEM 302 (302---003)
 SPECIAL PROVISION TO ITEM 316 (316---002)
 SPECIAL PROVISION TO ITEM 340 (340---003)
 SPECIAL PROVISION TO ITEM 421 (421---009)
 SPECIAL PROVISION TO ITEM 426 (426---003)
 SPECIAL PROVISION TO ITEM 427 (427---003)
 SPECIAL PROVISION TO ITEM 440 (440---004)
 SPECIAL PROVISION TO ITEM 441 (441---003)
 SPECIAL PROVISION TO ITEM 442 (442---001)
 SPECIAL PROVISION TO ITEM 449 (449---002)
 SPECIAL PROVISION TO ITEM 464 (464---001)
 SPECIAL PROVISION TO ITEM 465 (465---001)
 SPECIAL PROVISION TO ITEM 502 (502---008)
 SPECIAL PROVISION TO ITEM 506 (506---002)
 SPECIAL PROVISION TO ITEM 520 (520---002)
 SPECIAL PROVISION TO ITEM 636 (636---001)
 SPECIAL PROVISION TO ITEM 643 (643---001)
 SPECIAL PROVISION TO ITEM 666 (666---007)
 SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 6185 (6185--002)

SPECIAL SPECIFICATIONS:

ITEM 3077 SUPERPAVE MIXTURES
 ITEM 3084 BONDING COURSE
 ITEM 6056 PREFORMED IN-LANE (TRANSVERSE)/CENTERLINE RUMBLE STRIPS
 ITEM 6185 TRUCK MOUNTED ATTENUATOR (TMA) AND TRAILER ATTENUATOR (TA)
 ITEM 6291 MOBILE RETROREFLECTIVITY DATA COLLECTION FOR PAVEMENT
 MARKINGS

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