

# NOTIFICATION OF ADDENDUM

## ADDENDUM NO. 2

**DATED 10/06/2015**

<b>Control</b>	<b>0081-10-042, ETC.</b>
<b>Project</b>	<b>STP 2016(186), ETC.</b>
<b>Highway</b>	<b>US 377, ETC.</b>
<b>County</b>	<b>GRAYSON, ETC.</b>

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 2016(186)

CONTROL: 0081-10-042

COUNTY: GRAYSON

LETTING: 10/07/2015

REFERENCE NO: 1006

**PROPOSAL ADDENDUMS**

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PROPOSAL COVER

BID INSERTS (SH. NO.:

GENERAL NOTES (SH. NO.:

X SPEC LIST (SH. NO.: 2-2

X SPECIAL PROVISIONS:

ADDED: 300---001

DELETED:

SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

OTHER:

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

CONTROL : 0081-10-042, ETC  
PROJECT : STP 2016(186), ETC  
HIGHWAY : US 377, ETC  
COUNTY : GRAYSON, ETC

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 316 SEAL COAT (210) (300) (302) (340) (520)  
ITEM 500 MOBILIZATION  
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING  
ITEM 662 WORK ZONE PAVEMENT MARKINGS (666) (668) (672) (677)  
ITEM 666 RETROREFLECTORIZED PAVEMENT MARKINGS (316) (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	TO ITEM	2	(002---004)
SPECIAL PROVISION	TO ITEM	6	(006---001)
SPECIAL PROVISIONS	TO ITEM	7	(007---001) (007---003)
SPECIAL PROVISIONS	TO ITEM	300	(300---001) (300---009)

SPECIAL SPECIFICATIONS:

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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.

# Special Provision to Item 300

## Asphalts, Oils, and Emulsions



Item **Error! Reference source not found.**, “**Error! No text of specified style in document.**” 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 300.2.4., “Emulsified Asphalt,” is supplemented by the following:

**Table 7A**  
**Surface Performance-Grade Emulsified Asphalt**

Grade	Test Procedure	HFRS-2(SPG xy <sup>1</sup> )		CRS-2(SPG xy)		CHFRS-2(SPG xy)	
		Min	Max	Min	Max	Min	Max
Tests on emulsions:							
Viscosity, Saybolt Furol at 50°C, SFs <sup>2</sup>	T 72	150	400	150	400	150	400
Storage stability test, 24 h., % <sup>2</sup>	T 59		1		1		1
Demulsibility, 35 mL, 0.02 N CaCl <sub>2</sub> , %	T 59	60					
Demulsibility, 35 mL, 0.8% dioctyl sodium sulfosuccinate, %	T 59			60		60	
Particle charge test	T 59			positive		positive	
Sieve test, % <sup>2</sup>	T 59		0.10		0.10		0.10
Residue recovery	PP 72,						
Residue, %	Procedure B	65		65		65	
Tests on recovered residue:							
Residue properties		Meet the specified SPG in Table 17A <sup>3</sup>					
Solubility in trichloroethylene, %	T 44	97.5		97.5			
Float test, 60°C, sec. <sup>4</sup>	T 50	1,200				1,200	

1. X is the average 7-day maximum pavement surface design temperature, and y is the minimum pavement surface design temperature used in Table 17A.
2. This test requirement on representative samples is waived if successful application of the material has been achieved in the field.
3. Meet original performance properties and PAV residue requirements only
4. If Float test is less than 1,200 sec. using PP 72, Procedure B, for residue recovery, then use T 59 for residue recovery.

Section 300.2.10., "Performance-Graded Binders," is supplemented by the following:

**Table 17A**  
**Surface Performance Grade (SPG) Specification**

Surface Performance Grade	SPG 64	SPG 67					SPG 70					SPG 73			
	-25	-13	-16	-19	-22	-25	-13	-16	-19	-22	-25	-16	-19	-22	-25
Average 7-day Max pavement surface design temperature <sup>1</sup> , °C	<64	<67					<70					<73			
Min pavement surface design temperature <sup>1</sup> , °C	>-25	>-13	>-16	>-19	>-22	>-25	>-13	>-16	>-19	>-22	>-25	>-16	>-19	>-22	>-25
<b>Original Binder</b>															
Flash point temp, T 48, Min, °C	230														
Viscosity, T 316 <sup>2</sup> : Max 0.15 Pa*s, test temp., °C	205														
<b>Original Performance Properties</b>															
Dynamic Shear, T 315: G*/sinδ, Min 0.65 kPa, Test temp @ 10 rad/s, °C	64	67					70					73			
Phase angle <sup>3</sup> (δ), Max, @ temp. where G*/sinδ = 0.65 kPa	80	-	-	-	80	80	-	-	80	80	80	80	80	80	80
<b>Pressure Aging Vessel (PAV) Residue (R 28)</b>															
PAV aging temperature, °C	100	100					100					100			
Creep stiffness, T 313: S, Max 500 MPa, Test temp. @ 8 sec., °C	-25	-13	-16	-19	-22	-25	-13	-16	-19	-22	-25	-16	-19	-22	-25

1. Temperatures are at the surface of the pavement structure. These may be determined from experience or may be estimated using equations developed by SHRP or LTPP, but modified to represent surface temperatures. Surface-grade high temperatures are generally 3°C to 4°C greater than those determined for Superpave PG binders.
2. The referee method will be AASHTO T 316 using a #21 spindle at 50 r/min, however alternate methods may be used for routine testing and quality assurance.
3. Phase angle is determined at the temperature where G\*/sin δ =0.65 kPa. For routine testing and quality assurance, the phase angle can be interpolated from testing at two temperatures, one above and one below where G\*/sin δ=0.65 kPa.