

# NOTIFICATION OF ADDENDUM

## ADDENDUM NO. 2

**DATED 6/06/2014**

<b>Control</b>	<b>1188-02-090</b>
<b>Project</b>	<b>NH 2014(704)</b>
<b>Highway</b>	<b>LP 250</b>
<b>County</b>	<b>MIDLAND</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: NH 2014(704)

CONTROL: 1188-02-090

COUNTY: MIDLAND

LETTING: 06/12/2014

REFERENCE NO: 0606

**PROPOSAL ADDENDUMS**

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\_ PROPOSAL COVER

\_ BID INSERTS (SH. NO.:

X GENERAL NOTES (SH. NO.: "H"

\_ SPEC LIST (SH. NO.:

\_ SPECIAL PROVISIONS:

ADDED:

DELETED:

\_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

\_ OTHER:

DESCRIPTION OF ABOVE CHANGES  
(INCLUDING PLANS SHEET CHANGES)

PROPOSAL:

GENERAL NOTES-

ON SPEC DATA SHEET "H", UNDER ITEM 3271, ADDED NOTE REGARDING  
PROVIDING PREVIOUSLY APPROVED/USED DESIGN

PLANS:

PLAN SHEET 7C (GENERAL NOTES)-  
ON SPEC DATA SHEET "H", UNDER ITEM 3271, ADDED NOTE REGARDING  
PROVIDING PREVIOUSLY APPROVED/USED DESIGN

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**GENERAL NOTES:**

**ITEM 5: CONTROL OF THE WORK**

PRIOR TO CONTRACT LETTING, INTERNATIONAL ROUGHNESS INDEX (IRI) DATA WILL BE AVAILABLE AT THE ENGINEER'S OFFICE.

THE EXISTING ALIGNMENT IS THE CONTROL FOR THE CONTRACTOR STAKING. ESTABLISH REFERENCE POINTS FOR THE CONTROL PRIOR TO REMOVING THE EXISTING SURFACE.

**ITEM 7: LEGAL RELATIONS AND RESPONSIBILITIES**

RESTRICT STORAGE OF EQUIPMENT AND MATERIALS TO APPROVED AREAS. THE ENGINEER WILL NOT APPROVE STORAGE IN ANY TXDOT YARD.

PROPERLY DISPOSE OF ANY WASTE GENERATED FROM SERVICING EQUIPMENT ON THE PROJECT.

DIRECT ATTENTION TO THE PRESENCE OF EXISTING UTILITIES (PUBLIC, PRIVATE AND TXDOT) THROUGHOUT THE PROJECT. PRIOR TO ANY EXCAVATION, INVESTIGATE TO DETERMINE UTILITY LOCATIONS WITHIN THE PROJECT RIGHT-OF-WAY, AND CONTACT TXDOT ODESSA TRAFFIC OPERATIONS SHOP AT 432-498-4690, TO INVESTIGATE THE LOCATION OF ANY TXDOT UTILITY. EXERCISE CAUTION WHEN EXCAVATING IN AREAS WHERE INVESTIGATIONS HAVE DETERMINED THAT UTILITIES EXIST.

**ITEM 8: PROSECUTION AND PROGRESS**

THE FOLLOWING PORTIONS OF THE PLANS MAY AFFECT THE CONTRACTOR'S PLANNED CONSTRUCTION SEQUENCING. DIRECT ATTENTION TO THE APPROPRIATE PLAN SHEET OR STANDARD SHEET.

- TRAFFIC CONTROL PLAN.
- STORM WATER POLLUTION PREVENTION PLAN.
- ENVIRONMENTAL PERMIT, ISSUES AND COMMITMENTS (EPIC).

MAINTAIN INGRESS AND EGRESS TO THE FRONTAGE ROADS AT ALL TIMES.

START ROADWAY WORK BY SEPTEMBER 1, 2014.

DURING MILLING AND FILLING OPERATIONS A "WEDGE" OF MATERIAL SHALL BE PLACED LONGITUDINALLY BETWEEN LANES, AT INTERSECTIONS AND

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DRIVEWAYS. MATERIAL WILL BE AS APPROVED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT WILL BE SUBSIDIARY TO VARIOUS BID ITEMS.

**ITEM 216: PROOF ROLLING**

PROOF ROLLING WILL BE REQUIRED ON ROCK EMBANKMENTS WHERE DENSITY TESTS ARE NOT PRACTICAL AND AT OTHER LOCATIONS AS DIRECTED.

**ITEM 302: AGGREGATES FOR SURFACE TREATMENTS**

THE DISTRICT LABORATORY WILL PERFORM MAGNESIUM SULFATE SOUNDNESS (TEX-411-A) TESTING FOR PROJECT ACCEPTANCE. THE MINIMUM NUMBER OF TESTS REQUIRED WILL BE ONE (1) FOR EVERY 25,000 TONS (20,000 CUBIC YARDS) OF AGGREGATE OR AS DIRECTED.

FLAKINESS INDEX FOR AGGREGATES WILL NOT BE REQUIRED ON THIS PROJECT.

COAT AGGREGATE WITH 1.0 PERCENT BY WEIGHT OF RESIDUAL BITUMEN.

USE AN UNMODIFIED ASPHALT WITH A MINIMUM PERFORMANCE GRADE OF 64-16 (PG 64-16) OR BETTER FOR AGGREGATE PRECOATING.

**ITEM 314: EMULSIFIED ASPHALT TREATMENT**

EACH APPLICATION OF THE EMULSIFIED ASPHALT MIXTURE WILL CONTAIN APPROXIMATELY 80% OF EMULSIFIED ASPHALT AND 20% WATER.

**ITEM 318: HOT ASPHALT-RUBBER SURFACE TREATMENTS**

PREHEAT AGGREGATE IN ACCORDANCE WITH ITEM 318.

FURNISH TYPE "II" ASPHALT-RUBBER BINDER CONTAINING GRADE "B" RUBBER.

FURNISH CLASS "B" AGGREGATE FOR THE NON-SURFACE COURSE.

DO NOT APPLY HOT ASPHALT-RUBBER BETWEEN OCTOBER 1ST AND MAY 1ST UNLESS AUTHORIZED IN WRITING.

PLACE A STRING LINE OR OTHER SUITABLE MARKING WHERE NEEDED TO ASSURE SMOOTH NEAT LINES, OR AS DIRECTED.

RATES ARE SHOWN IN THE PLANS.

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**ITEM 421: HYDRAULIC CEMENT CONCRETE**

FURNISH A JOB SITE CURING TANK EQUIPPED WITH A RECORDING THERMOMETER WITH THE CAPABILITY TO CHART TEMPERATURES FOR 24 HOURS, 7 DAYS OR 30 DAYS. FURNISH THE ENGINEER WITH COPIES OF THE TEMPERATURE RECORDS.

FURNISH DISPOSABLE 4" CYLINDER MOLDS AND CAPS THAT MEET TESTING TOLERANCES.

THE ENGINEER WILL PROVIDE STRENGTH TESTING EQUIPMENT FOR ACCEPTANCE TESTING.

FURNISH TYPE II OR IP CEMENT.

ALL PLANTS AND TRUCKS WILL BE INSPECTED AND APPROVED BY THE ENGINEER IN LIEU OF THE NRMCA OR NON-DEPARTMENT ENGINEER SEALED CERTIFICATIONS. THE CRITERIA AND FREQUENCY OF THE ENGINEER APPROVAL OF PLANTS AND TRUCKS IS THE SAME USED FOR NRMCA CERTIFICATION.

**ITEM 502: BARRICADES, SIGNS, AND TRAFFIC HANDLING**

STOP EQUIPMENT FOR TRAFFIC WHEN CROSSING ANY TRAFFIC LANES. FURNISH FLAGGERS TO WARN EQUIPMENT OPERATORS OF APPROACHING TRAFFIC, UNLESS OTHERWISE DIRECTED.

RELOCATE OR REMOVE TEMPORARY SIGNS AS NECESSARY. THIS WORK IS CONSIDERED SUBSIDIARY TO VARIOUS BID ITEMS.

USE AN ADVANCED WARNING FLASHING ARROW PANEL FOR THE CLOSING OF TRAFFIC LANES. PROVIDE ONE STANDBY UNIT IN GOOD WORKING CONDITION AT THE JOB SITE READY FOR IMMEDIATE USE.

KEEP ALL BARRICADES AND CONSTRUCTION SIGNS UP AND IN PLACE UNTIL PARTIAL ACCEPTANCE IS COMPLETE. MAINTAIN "NO CENTER STRIPE", "DO NOT PASS" AND "PASS WITH CARE" SIGNS UNTIL THE PERMANENT LANE MARKINGS HAVE BEEN PLACED AND ACCEPTED.

USE SHOULDER DROP-OFF (CW8-9A) SIGNS DURING CONSTRUCTION WHEN SHOULDER DROP-OFF CONDITIONS ARE 3 INCHES OR GREATER OR AS DIRECTED. PLACEMENT SHALL BE IN ACCORDANCE WITH THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

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THIS PROJECT HAS A REGULATORY WORK ZONE SPEED REDUCTION WITHIN THE PROJECT LIMITS. THE WORK ZONE SPEED LIMIT IS REDUCED FROM 60 MPH TO 50 MPH. PLACEMENT OF SPEED REDUCTION ZONE SIGNS SHALL COMPLY WITH BC(3)-07. SPEED RESUMPTION SIGN(S) IS REQUIRED AT THE END OF A SPEED REDUCTION ZONE.

PLACE CHEVRONS, AT A MINIMUM, ON EVERY OTHER DRUM USED FOR OUTSIDES OF CURVES, MERGING TAPERS AND SHIFTING TAPERS.

VERTICAL PANELS SHALL BE SELF RIGHTING.

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 "SAFETY CONTINGENCY" IS NOT INTENDED TO BE USED IN LIEU OF BID ITEMS ESTABLISHED BY THE CONTRACT.

**ITEM 540: METAL BEAM GUARD FENCE**

PROVIDE STEEL POST FOR THIS PROJECT.

**ITEM 542: REMOVING METAL BEAM GUARD FENCE**

SALVAGE EXISTING METAL BEAM GUARD FENCE (RAIL ELEMENTS ONLY). AND RETAIN AS STATE PROPERTY. DELIVER SALVAGED RAIL ELEMENTS TO THE TXDOT MAINTENANCE YARD IN MIDLAND, TX.

TEXAS DEPARTMENT OF TRANSPORTATION  
5100 W IH 20  
MIDLAND, TEXAS 79703

RETAIN OWNERSHIP OF ALL OTHER MATERIALS REQUIRING REMOVAL, AND REMOVE FROM THE PROJECT.

**ITEM 585: RIDE QUALITY FOR PAVEMENT SURFACES**

USE SURFACE TEST TYPE "B" PAY ADJUSTMENT SCHEDULE "3" TO EVALUATE RIDE QUALITY OF THE TRAVEL LANES IN ACCORDANCE WITH ITEM 585, "RIDE QUALITY FOR PAVEMENT SURFACES."

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**ITEM 644: SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES**

ALL NEW SIGN SUPPORTS FOR STOP AND YIELD SIGNS WILL HAVE A 12" RED STRIP OF TYPE C HIGH SPECIFIC INTENSITY REFLECTIVE TAPE. PLACE THE TOP OF THE TAPE 4' ABOVE THE EDGE OF THE ROADWAY. THIS WORK WILL NOT BE PAID FOR DIRECTLY AND WILL BE SUBSIDIARY TO THE PERTINENT BID ITEM.

FOR STANDARD SMALL SIGN DETAILS AND DIMENSIONS, REFER TO THE "STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD)"; A SUPPLEMENT TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD)".

MARK AND LOCATE EXISTING REFERENCE MARKER PERPENDICULAR TO THE ROAD AND ALONG THE RIGHT OF WAY, OR AS DIRECTED, PRIOR TO REMOVAL. ERECT NEW REFERENCE MARKER AT THE ORIGINAL LOCATION, UPON COMPLETION OF CONSTRUCTION.

**ITEM 647: LARGE ROADSIDE SIGN SUPPORTS AND ASSEMBLIES**

ALL NEW SIGN SUPPORTS WILL HAVE A 12" YELLOW STRIP OF TYPE C HIGH SPECIFIC INTENSITY REFLECTIVE TAPE PLACE D 4' ABOVE THE EDGE OF THE ROADWAY. THIS WORK WILL NOT BE PAID FOR DIRECTLY AND WILL BE SUBSIDIARY TO THE PERTINENT BID ITEM.

EXISTING LARGE SIGNS WILL BE LEFT IN PLACE UNTIL NEW SIGNS ARE PLACED.

**ITEM 658: DELINEATOR AND OBJECT MARKER ASSEMBLIES**

DELINEATOR ASSEMBLY POSTS SHALL BE COMPOSED OF POST-CONSUMER RECYCLED MATERIALS. EMBEDDED STUB SHALL BE PERFORATED SQUARE TUBBING.

**ITEM 662: WORK ZONE PAVEMENT MARKINGS**

AFTER PERMANENT PAVEMENT MARKINGS ARE PLACED, CUT OFF TABS FLUSH WITH THE PAVEMENT. REMOVE TABS FROM THE PROJECT AND DISPOSE OF PROPERLY. (A662)

MATERIALS USED FOR NON-REMOVABLE WORK ZONE PAVEMENT MARKINGS WILL BE PAINT AND BEADS OR OTHER APPROVED MATERIALS.

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**ITEM 1122: TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS**

THE TOTAL DISTURBED AREA FOR THIS PROJECT IS 11.63 ACRES. THE DISTURBED AREA IN THIS PROJECT, ALL PROJECT LOCATIONS IN THE CONTRACT, AND CONTRACTOR PROJECT SPECIFIC LOCATIONS (PSLS), WITHIN 1 MILE OF THE PROJECT LIMITS, FOR THE CONTRACT WILL FURTHER ESTABLISH THE AUTHORIZATION REQUIREMENTS FOR STORM WATER DISCHARGES. THE DEPARTMENT WILL OBTAIN AN AUTHORIZATION TO DISCHARGE STORM WATER FROM THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) FOR THE CONSTRUCTION ACTIVITIES SHOWN ON THE PLANS. THE CONTRACTOR IS TO OBTAIN ANY REQUIRED AUTHORIZATION FROM THE TCEQ FOR ANY CONTRACTOR PSLS FOR CONSTRUCTION SUPPORT ACTIVITIES ON OR OFF ROW. WHEN THE TOTAL AREA DISTURBED FOR ALL PROJECTS IN THE CONTRACT AND PSLS WITHIN 1 MILE OF THE PROJECT LIMITS EXCEEDS 5 ACRES, PROVIDE A COPY OF THE CONTRACTOR NOI FOR PSLS ON THE ROW TO THE ENGINEER (TO THE APPROPRIATE MS4 OPERATOR WHEN ON AN OFF-STATE SYSTEM ROUTE).

UPON ACCEPTANCE OF THE PROJECT, ALL SWP3 DEVICES WILL BECOME PROPERTY OF THE STATE AND MAINTENANCE RESPONSIBILITY IS TRANSFERRED TO THE STATE UNTIL FINAL STABILIZATION IS ATTAINED.

**ITEM 3270: PERFORMANCE-DESIGNED MIXTURES**

**BINDER:**

PROVIDE A BINDER THAT HAS A PERFORMANCE GRADE OF 64-22 (PG 64 -22) FOR THE "SP-C" MIX.

**AGGREGATE QUALITY:**

FURNISH CLASS "B" AGGREGATE FOR THE TYPE "SP-C" MIX.

THE DISTRICT LABORATORY WILL PERFORM MAGNESIUM SULFATE SOUNDNESS (TEX-411-A) TESTING FOR PROJECT ACCEPTANCE. THE MINIMUM NUMBER OF TESTS REQUIRED WILL BE ONE (1) FOR EVERY 25,000 TONS OF AGGREGATE OR AS DIRECTED.

**MIXTURE DESIGN:**

DESIGN A MIXTURE WITH A GRADATION THAT HAS STONE ON STONE CONTACT AND PASSES BELOW THE REFERENCE ZONE.

TEST METHOD TEX-530-C (BOIL TEST) WILL NOT BE REQUIRED.

PLACEMENT:

SEMI-TRAILER TYPE VEHICLES ARE SPECIFICALLY PROHIBITED FROM DUMPING DIRECTLY INTO THE FINISHING MACHINE FOR THE FINISHED SURFACE. THIS TYPE OF HAUL TRUCK WILL BE ALLOWED TO UNLOAD INTO THE FINISHING MACHINE IF THE TRAILER IS EQUIPPED WITH AN AUGER SLATTED CHAIN OR ANOTHER APPROVED CONVEYOR.

PLACE MIXTURE WHEN THE ROADWAY SURFACE TEMPERATURE IS EQUAL TO OR HIGHER THAN THE TEMPERATURES LISTED IN TABLE 1 (SHOWN BELOW), UNLESS OTHERWISE APPROVED OR SHOWN ON THE PLANS. MEASURE THE ROADWAY SURFACE TEMPERATURE WITH A HANDHELD INFRARED THERMOMETER. UNLESS OTHERWISE SHOWN ON THE PLANS, PLACE MIXTURES ONLY WHEN WEATHER CONDITIONS AND MOISTURE CONDITIONS OF THE ROADWAY SURFACE ARE SUITABLE IN THE OPINION OF THE ENGINEER.

TABLE 1  
MINIMUM PAVEMENT SURFACE TEMPERATURES

SPECIFICATION ITEM NUMBER	HIGH TEMPERATURE BINDER GRADE	MINIMUM PAVEMENT SURFACE TEMPERATURES IN DEGREES FAHRENHEIT	
		SUBSURFACE LAYERS OR NIGHT PAVING OPERATIONS	SURFACE LAYERS PLACED IN DAYLIGHT OPERATIONS
ITEMS 341, 3267 & 3270	PG 64	45	50
	PG 70	55	60
	PG 76	60	60
ITEMS 3269 AND 3271 SS 3000 & SS 3001	PG 76	65	70
	ASPHALT RUBBER (A-R)	65	70

**ITEM 3271: STONE-MATRIX ASPHALT**

BINDER:

FURNISH TYPE "T" ASPHALT-RUBBER BINDER CONTAINING GRADE "C" RUBBER.

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AGGREGATE QUALITY:

THE DISTRICT LABORATORY WILL PERFORM MAGNESIUM SULFATE SOUNDNESS (TEX-411-A) TESTING FOR PROJECT ACCEPTANCE. THE MINIMUM NUMBER OF TESTS REQUIRED WILL BE ONE (1) FOR EVERY 25,000 TONS OF AGGREGATE OR AS DIRECTED.

PROVIDE CLASS "A" AGGREGATE.

MAGNESIUM SULFATE SOUNDNESS LOSS WILL NOT BE GREATER THAN 20 PERCENT WHEN CLASS "A" AGGREGATE IS REQUIRED.

PROVIDE A PREVIOUSLY APPROVED/USED DESIGN OR DESIGN THE MIXTURE USING  $N_{des}=75$ .

NO RAP OR RAS WILL BE ALLOWED TO BE USED IN THIS MIXTURE.

MIXTURE DESIGN:

TEST METHOD TEX-530-C (BOIL TEST) WILL NOT BE REQUIRED.

PLACEMENT:

SEMI-TRAILER TYPE VEHICLES ARE SPECIFICALLY PROHIBITED FROM DUMPING DIRECTLY INTO THE FINISHING MACHINE FOR THE FINISHED SURFACE. THIS TYPE OF HAUL TRUCK WILL BE ALLOWED TO UNLOAD INTO THE FINISHING MACHINE IF THE TRAILER IS EQUIPPED WITH AN AUGER SLATTED CHAIN OR ANOTHER APPROVED CONVEYOR.

PLACE MIXTURE WHEN THE ROADWAY SURFACE TEMPERATURE IS EQUAL TO OR HIGHER THAN THE TEMPERATURES LISTED IN TABLE 1 UNLESS OTHERWISE APPROVED OR SHOWN ON THE PLANS. MEASURE THE ROADWAY SURFACE TEMPERATURE WITH A HANDHELD INFRARED THERMOMETER. UNLESS OTHERWISE SHOWN ON THE PLANS, PLACE MIXTURES ONLY WHEN WEATHER CONDITIONS AND MOISTURE CONDITIONS OF THE ROADWAY SURFACE ARE SUITABLE IN THE OPINION OF THE ENGINEER.

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**TABLE 1  
MINIMUM PAVEMENT SURFACE TEMPERATURES**

SPECIFICATION ITEM NUMBER	HIGH TEMPERATURE BINDER GRADE	MINIMUM PAVEMENT SURFACE TEMPERATURES IN DEGREES FAHRENHEIT	
		SUBSURFACE LAYERS OR NIGHT PAVING OPERATIONS	SURFACE LAYERS PLACED IN DAYLIGHT OPERATIONS
ITEMS 341, 3267 & 3270	PG 64	45	50
	PG 70	55	60
	PG 76	60	60
ITEMS 3269 & 3271	PG 76	65	70
SS 3000 & SS 3001	ASPHALT RUBBER (A-R)	65	70