

# **NOTIFICATION OF ADDENDUM**

## **ADDENDUM NO. 4**

**DATED 7/07/2015**

<b>Control</b>	<b>6283-20-001</b>
<b>Project</b>	<b>RMC - 628320001</b>
<b>Highway</b>	<b>SH0130</b>
<b>County</b>	<b>TRAVIS</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: RMC - 628320001

CONTROL: 6283-20-001

COUNTY: TRAVIS

LETTING: 07/08/2015

REFERENCE NO: 0707

**PROPOSAL ADDENDUMS**

-----

PROPOSAL COVER

BID INSERTS (SH. NO.:

GENERAL NOTES (SH. NO.:

X SPEC LIST (SH. NO.: 1-2

SPECIAL PROVISIONS:

ADDED:

DELETED:

X SPECIAL SPECIFICATIONS:

ADDED: 3004

DELETED:

OTHER:

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

ADDED SPECIAL SPEC 3004, REF ITMES 720 & 585.

REVISIONS TO PLAN SHEETS 2A-2M GENERAL NOTES & SHEET 3 E & Q.

CONTROL : 6283-20-001  
PROJECT : RMC - 628320001  
HIGHWAY : SH0130  
COUNTY : TRAVIS

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 341 DENSE-GRADED HOT-MIX ASPHALT (300) (301) (320) (520) (585)  
ITEM 354 PLANING AND TEXTURING PAVEMENT  
ITEM 500 MOBILIZATION  
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.

SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000---001)  
SPECIAL PROVISION "NONDISCRIMINATION" (000---002)  
SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000---010)  
SPECIAL PROVISION TO ITEM 3 (003---006)  
SPECIAL PROVISION TO ITEM 6 (006---001)  
SPECIAL PROVISIONS TO ITEM 7 (007---001) (007---003)

SPECIAL SPECIFICATIONS:  
-----

ITEM 3004 DIAMOND GRINDING AND GROOVING PAVEMENT (585) (720)  
ITEM 7022 LANE CLOSURES  
ITEM 7025 SNOW AND ICE CONTROL  
ITEM 7038 PERFORMANCE BASED MAINTENANCE OF HIGHWAYS <361><429>

<438><666><668><672><677><700><712><713><720><734><735>  
<738><740><745><770><774><780><785>

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 Specification 3004

## Diamond Grinding and Grooving Pavement



### 1. DESCRIPTION

Diamond grind and/or groove existing pavement surfaces and remove resulting residue at locations shown on the plans or as directed.

### 2. EQUIPMENT

Provide machinery, tools, and equipment necessary for proper execution of the work. Do not use flailing devices. Use machines that:

- have a self-propelled machine built for grinding and/or grooving pavements;
- provide enough power, traction, and stability to maintain specified depth of cut and cross slope; and
- are able to achieve a uniform depth of cut, flush to all inlets, manholes, bridge joints, and other appurtenances within the paved area.

In addition, for continuous operations, use machines that:

- have 50 to 60 diamond blades per foot, mounted on a multi-blade arbor;
- have dual longitudinal controls capable of operating on both sides automatically from any longitudinal grade reference, which includes string line, ski, mobile string line, or matching shoe; and
- have transverse controls to control cross slope at a given rate. Table 1

### 3. CONSTRUCTION

Demonstrate grinding and/or grooving work to receive approval of the operation procedure and the use of grinding and/or grooving and residue removing equipment.

- 3.1. **Grinding.** Perform grinding in a longitudinal direction beginning and ending at lines perpendicular to the pavement lane lines. Start grinding at the outside edge of the pavement, and continue across the lane surface to the opposite outer edge of the traffic lane or pavement. Grind surfaces on both sides of transverse joints or cracks, and finish the surfaces in essentially the same plane.

The finished cross slope shall mirror the pre-grind cross slope and shall have no depressions or misalignment of slope greater than 1/4 inch (6.35 millimeters) in 12 feet (3.66 meters) when measured with a 12-foot (3.66 meter) straightedge placed perpendicular to the centerline. The straightedge shall also be used perpendicular to the centerline to ensure the contractor is not grinding a "W" into the roadway surface when grinding wheel-rutted surfaces. Areas of deviation shall be reground. Straightedge requirements will not apply across longitudinal joints or outside the ground area.

Transition auxiliary and ramp lane grinding from the mainlane edge as directed. Terminate grinding at bridge joints.

Produce a uniform surface with a longitudinal corduroy-type texture that eliminates joint and crack faults. Provide positive lateral surface drainage by maintaining a constant cross-slope across each lane.

- 3.2. **Grooving.** Groove 0.10–0.16 in. wide with a land area 0.70–0.80 in. between the grooves. Groove 0.19 in. deep unless otherwise as shown on the plans. Meet the groove tolerances  $\pm 0.02$  in. for width and  $\pm 0.06$  in. for depth under normal pavement conditions unless otherwise directed. Do not groove ground asphaltic pavement unless otherwise shown on the plans.

- 3.3. **Repairs.** As directed, perform repairs in accordance with Item 720, "Repair of Spalling in Concrete Pavement," if spalls are 0.25–3 in. in depth.
- 3.4. **Ride Quality.** Unless otherwise shown on the plans, measure ride quality in accordance with Item 585, "Ride Quality for Pavement Surfaces," Surface Test Type A, after completion of grinding and/or grooving and residue removal operations.
- 3.5. **Removal of Residue.** Immediately and continuously, remove the slurry or residue resulting from the grinding operation. Keep pavement in a washed clean condition, free of slipperiness from the slurry, etc. Do not permit the residue to flow across shoulders or lanes occupied by traffic or into gutters or other drainage facilities.

#### 4. MEASUREMENT

- 4.1. **Continuous Diamond Grinding of Concrete Pavement.** Continuous diamond grinding of concrete pavement will be measured by the square yard of surface area ground and accepted, within the limits shown on the plans.
- 4.2. **Spot Diamond Grinding of Concrete Pavement.** Spot diamond grinding of concrete pavement will be measured in place at locations determined by the Engineer.
- 4.3. **Continuous Diamond Grinding of Asphaltic Pavement.** Continuous diamond grinding of asphaltic pavement will be measured by the square yard of surface area ground and accepted, within the limits shown on the plans.
- 4.4. **Spot Diamond Grinding of Asphaltic Pavement.** Spot diamond grinding of asphaltic pavement will be measured in place at locations determined by the Engineer.
- 4.5. **Continuous Diamond Grooving of Concrete Pavement.** Continuous diamond grooving of concrete pavement will be measured by the square yard of surface area grooved and accepted, within the limits shown on the plans.
- 4.6. **Spot Diamond Grooving of Concrete Pavement.** Spot diamond grooving of concrete pavement will be measured in place at locations determined by the Engineer.

#### 5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Continuous Diamond Grinding of Concrete Pavement," "Spot Diamond Grinding of Concrete Pavement," "Continuous Diamond Grinding of Asphaltic Pavement," "Spot Diamond Grinding of Asphaltic Pavement," "Continuous Diamond Grooving of Concrete Pavement," or "Spot Diamond Grooving of Concrete Pavement." This price is full compensation for grinding the pavement surface; repairing of concrete pavement damaged during grinding and/or grooving operations, including spalls or partial depth failures; loading, hauling, and disposing of the residue material; labor; tools; equipment; and incidentals. Demonstration work to receive approval for use of equipment will not be paid for unless work is performed in accordance with the Contract and is accepted.

Repairs to existing pavement necessary due to the Contractor's failure to comply with contract requirements will not be paid for directly. Repairs to existing pavement due to other causes will be paid for in accordance with pertinent items or under Force Account as directed by the Engineer.