



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
PO BOX 778
DOVER, DELAWARE 19903

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GOVERNOR

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SECRETARY

VIA WEBSITE POSTING

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October 16, 2015

Contract No. T200911303.01
Federal Aid Project No. NH-2015(23)
US 301, Levels Road to Summit Bridge Rd.
New Castle County

Ladies and Gentlemen:

Enclosed is Addendum No. 4 for the referenced contract consisting of the following:

1. The Bid Proposal Cover, revised, to be substituted for the same page in the Proposal.
2. One (1) page, Plan Sheet 47, revised, to be substituted for the same sheet in the Plan Set.

Please note the revision listed above and submit your bid based upon this information.

Sincerely,

signature on file

James H. Hoagland
Contract Services Administrator

:jhh
Enclosure

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

BID PROPOSAL

for

CONTRACT T200911303.01

FEDERAL AID PROJECT NO. NH-2015(23)

US 301, LEVELS ROAD TO SUMMIT BRIDGE RD

NEW CASTLE COUNTY

ADVERTISEMENT DATE: September 14, 2015

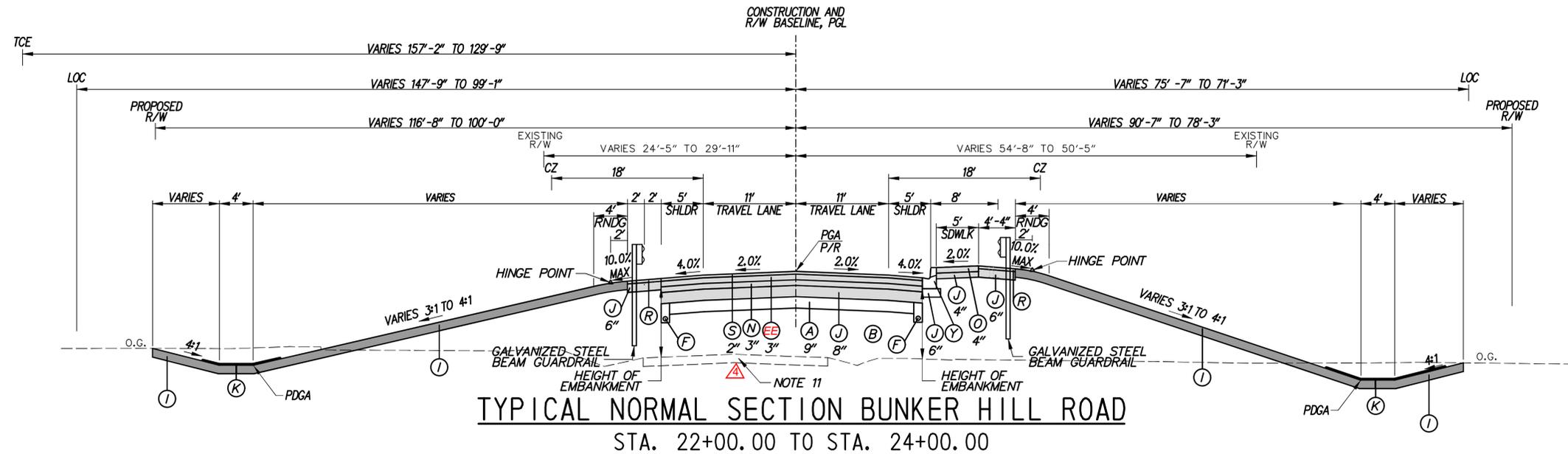
COMPLETION TIME: 1,230 Calendar Days

SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
DELAWARE DEPARTMENT OF TRANSPORTATION
AUGUST 2001

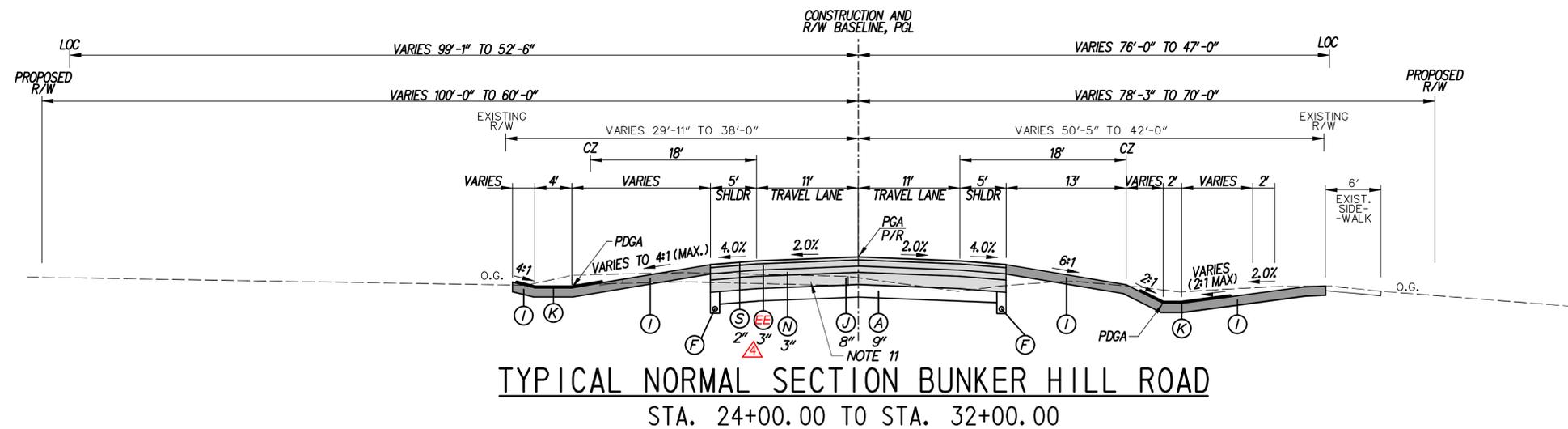
Bids will be received in the Bidder's Room at the Delaware Department of Transportation's Administration Building, 800 Bay Road, Dover, Delaware until 2:00 P.M. local time **October 20, 2015**

LEGEND

- (A) ITEM *209001, BORROW TYPE A
- (B) ITEM *209006, BORROW TYPE F
- (C) ITEM *304502, SOIL CEMENT BASE COURSE
- (D) ITEM *304501, PERMEABLE TREATED BASE, 4"
- (E) ITEM *501006, PORTLAND CEMENT CONCRETE PAVEMENT
- (F) ITEM *715001, PERFORATED PIPE UNDERDRAIN
- (G) ITEM *705002, P.C.C. SIDEWALK, 6"
- (H) ITEM *701016, INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 1-4
- (I) ITEM *733002, TOPSOILING, 6" DEPTH
- (J) ITEM *734013, PERMANENT GRASS SEEDING, DRY GROUND
- (K) ITEM *302007, GRADED AGGREGATE BASE COURSE, TYPE B
- (L) ITEM *735535 SOIL RETENTION BLANKET MULCH, TYPE 5 UNLESS OTHERWISE NOTED IN DT-16
- (M) ITEM *401801, WMA SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)
- (N) ITEM *401810, WMA SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22
- (O) ITEM *401819, WMA SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22
- (P) ITEM *705001, P.C.C. SIDEWALK, 4"
- (Q) ITEM *701010, PORTLAND CEMENT CONCRETE CURB, TYPE 1
- (R) ITEM *701013, PORTLAND CEMENT CONCRETE CURB, TYPE 1-2 (SEE CONSTRUCTION DETAILS)
- (S) ITEM *401504, HOT MIX, HOT-LAID BITUMINOUS CONCRETE PAVEMENT TYPE C, 2" THICK
- (T) ITEM *401827, WMA SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON-CARBONATED STONE)
- (U) ITEM *401833, WMA SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22 (NON-CARBONATE STONE)
- (V) ITEM *401517, STONE MATRIX ASPHALT
- (W) ITEM *401663, SUPERPAVE BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22
- (X) ITEM *401816, WMA SUPERPAVE, TYPE B, 160 GYRATIONS, PG 76-22
- (Y) ITEM *743017, PORTABLE BARRIER
- (Z) ITEM *701022, INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3
- (AA) ITEM *701011, PORTLAND CEMENT CONCRETE CURB, TYPE 2
- (AB) ITEM *701021, INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2
- (BB) ITEM *760507, PROFILE MILLING, HOT MIX
- (CC) ITEM *760006, PAVEMENT MILLING, HOT MIX, 2" DEPTH
- (DD) ITEM *760016, RUMBLE STRIPS, HOT MIX
- (EE) ITEM *401813, WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 70-22



TYPICAL NORMAL SECTION BUNKER HILL ROAD
STA. 22+00.00 TO STA. 24+00.00



TYPICAL NORMAL SECTION BUNKER HILL ROAD
STA. 24+00.00 TO STA. 32+00.00

NOTES:

1. THE ALGEBRAIC DIFFERENCE BETWEEN THE TRAVEL LANE SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8%.
2. SHOULDER CROSS SLOPE ON THE LOW SIDE SHALL BE THE SAME AS THE TRAVEL LANE CROSS SLOPE WHEN SUPERELEVATION IS 4% OR GREATER.
3. SEE GRADES AND GEOMETRICS SHEETS FOR ADDITIONAL INFORMATION ON VARYING CROSS-SLOPE AND PAVEMENT WIDTHS.
4. SEE ROADSIDE GRADING TREATMENT DETAILS FOR CHANGES IN TYPICAL ROADSIDE TREATMENT.
5. SEE TYPICAL MAINLINE SUPERELEVATION TRANSITION DETAILS FOR ADDITIONAL MEDIAN INFORMATION IN SUPERELEVATED SECTIONS.
6. SEE CROSS-SECTIONS FOR ALL VARYING CROSS-SLOPE RATES AND SIDE SLOPE RATES.
7. SEE ROADWAY PLANS AND SWM PLANS FOR SWM POND AND BMP LOCATIONS.
8. SEE ROADWAY PLANS AND BRIDGE PLANS FOR BRIDGE LOCATIONS.
9. AREAS NOT RECEIVING TOPSOIL SHOULD BE HYDRO SEEDED.
10. ITEMS SHOWN AS DASHED TO BE CONSTRUCTED UNDER SEPERATE CONTRACT.
11. EXISTING PAVEMENT IS 10.5" HOT-MIX ASPHALT OVER 6" CRUSHER RUN. SEE CORE SUMMARY ON PLANS.

P.G.L. - PROFILE GRADE LINE.
P.G.A. - POINT OF GRADE APPLICATION.
P/R - POINT OF ROTATION.
PDGA - POINT OF DITCH GRADE APPLICATION.
PFGA - POINT OF FILL GRADE APPLICATION.

*FILL SLOPE RATIO CHART	
HEIGHT OF EMBANKMENT	SLOPE RATIO
0-5'	6:1
>5'-10'	4:1
>10'-15'	3:1
>15'	2:1 WITH GUARDRAIL



ADDENDUMS / REVISIONS	
△ REVISED CALLOUT, DRB	

NOT TO SCALE

**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	AG
COUNTY	CHECKED BY:	MT
NEW CASTLE		

TYPICAL SECTIONS

TS-27
SHEET NO.
47
TOTAL SHTS.
1256