



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
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November 12, 2013

Contract No. T201401003.01
Federal Aid Project No. ESTP-2013(32)
RUMBLE STRIP INSTALLATION, STATEWIDE, OPEN-END
Statewide

Ladies and Gentlemen:

Enclosed is Addendum No. 1 for the referenced contract consisting of the following:

1. One (1) sheet, Construction Plans, sheet 2, revised, to be substituted for the same sheet in the Plan Set.

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

Sincerely,

signature on file

James H. Hoagland
Contract Services Administrator

:jhh
Enclosure

GENERAL NOTES

- THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED AUGUST 2001 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2001, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.
- THE CONTRACTOR SHALL GIVE TWO (2) WEEKS NOTICE TO THE PROPERTY OWNER WHEN ANY FIXTURE, SHRUB OR OTHER OBJECT MUST BE REMOVED FROM THE RIGHT OF WAY OR EASEMENT AREA. IF THE OWNER HAS NOT ATTEMPTED TO SALVAGE THIS PROPERTY, THE CONTRACTOR SHALL REMOVE IT WITHOUT OBLIGATION. COMPENSATION SHALL BE INCIDENTAL TO THE CONTRACT.
- THIS CONTRACT IS INTENDED TO INSTALL MILLED RUMBLE STRIPS IN HOT-MIX AND CONCRETE PAVEMENT SURFACES AT THE LOCATIONS SPECIFIED HEREIN AND IN ACCORDANCE WITH THESE PLANS, THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DETAILS. THE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, MAINTENANCE OF TRAFFIC AS REQUIRED PER LOCATION, MILLING OF RUMBLE STRIPS, REPLACEMENT OF PAVEMENT MARKINGS AND THE REMOVAL OF ANY ASSOCIATED CONSTRUCTION DEBRIS. SPECIFIC LOCATION SHEETS AND DETAILS CAN BE FOUND WITHIN THE CONTRACT DOCUMENTS.
- THE CONTRACT ALSO INCLUDES AN OPEN-END (UNKNOWN LOCATION) PORTION THAT WILL RUN THREE (3) CALENDAR YEARS FROM THE DATE SPECIFIED IN THE NOTICE TO PROCEED. THIS PORTION WILL INCLUDE THE INSTALLATION OF MILLED RUMBLE STRIPS IN HOT-MIX AND CONCRETE PAVEMENT SURFACES ON AN AS NEEDED BASIS AND WILL BE ISSUED VIA JOB ORDER.
- THE CONTRACT TIME FOR THE KNOWN LOCATIONS (LOC. 1-9) WILL BE 1,096 CALENDAR DAYS FROM THE DATE SPECIFIED IN THE NOTICE TO PROCEED. LIQUIDATED DAMAGES WILL BE ASSESSED AFTER THIS TIME EXPIRES IF THESE KNOWN LOCATIONS ARE NOT SUBSTANTIALLY COMPLETE.
- LOCATION LISTINGS INDICATE GENERAL LIMITS OF CONSTRUCTION, MAJOR TYPES OF IMPROVEMENTS AND ESTIMATED QUANTITIES. DURING THE BIDDING PERIOD, ANY QUESTIONS PERTAINING TO LOCATIONS SHALL BE DIRECTED TO THE CONTRACT ADMINISTRATOR. AFTER THE AWARD, SUCH QUESTIONS SHALL BE REFERRED TO THE ENGINEER.

OPEN END NOTES

- WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL BE GENERATED THROUGH JOB-ORDERS ISSUED TO THE CONTRACTOR BY THE ENGINEER. UP TO SIX (6) WORK-ORDERS WILL BE ISSUED AT ONE TIME, AS A GROUP TO COMPOSE A JOB ORDER, TO ALLOW FOR THE MOST EFFICIENT ALLOCATION OF THE CONTRACTOR'S WORK FORCE.
- A SINGLE MOBILIZATION WILL BE PAID PER JOB ORDER. FOR EXAMPLE, IF A JOB ORDER IS ISSUED THAT INCLUDES 3 DIFFERENT WORK ORDERS/LOCATIONS, ONE MOBILIZATION WILL BE PAID, NOT THREE.
- EXECUTION OF EACH WORK-ORDER GROUP IS TO BEGIN WITHIN ONE (1) MONTH OF ITS BEING ISSUED TO THE CONTRACTOR, UNLESS REQUIRED MATERIALS ARE NOT AVAILABLE, AND WORK SHALL BE COMPLETED WITHIN ONE (1) MONTH.
- IF WORK DOES NOT COMMENCE WITHIN THE SPECIFIED ONE (1) MONTH, TIME CHARGES EQUAL TO LIQUIDATED DAMAGES FOR THE WORK-ORDER GROUP SHALL COMMENCE.
- THE DEPARTMENT WILL ATTEMPT TO ASSIGN JOB-ORDERS IN A MANNER THAT WILL KEEP THE DISTANCE BETWEEN WORK ORDER LOCATIONS TO A MINIMUM AND IN LOGICAL SEQUENCE.
- FOR KNOWN LOCATIONS, A SEMI-FINAL INSPECTION WILL BE PERFORMED BY COUNTY ONCE WORK ORDERS ARE COMPLETE. SEMI-FINAL INSPECTIONS WILL OCCUR AS NEEDED FOR OPEN END LOCATIONS.

PROJECT NOTES

SECTION 100

- ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
- UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL, AS PART OF HIS PROJECT SCHEDULE, SUBMIT TO THE ENGINEER AN ESTIMATE OF THE MONTHLY PAYMENTS EXPECTED TO BE RECEIVED ON THE CONTRACT. THIS WILL BE REFERENCED AS THE "MONTHLY PAYMENT CHART".

A CHART IN MICROSOFT EXCEL, MICROSOFT WORD, OR HAND WRITTEN FORMAT WILL BE ACCEPTABLE FOR THIS PURPOSE. THE CHART SHOULD INCLUDE, AS A MINIMUM, COLUMNS FOR THE MONTH, YEAR AND ESTIMATED MONTHLY PAYMENTS. THE TOTAL OF ALL ESTIMATED MONTHLY PAYMENTS SHOULD EQUAL THE AWARDED CONTRACT TOTAL BID PRICE.

THE ENGINEER MAY REQUEST AN UPDATED "MONTHLY PAYMENT CHART" AT HIS DISCRETION, DEPENDING ON THE ACCURACY OF THE INITIAL ESTIMATES AND ACCORDING TO THE OVERALL NEEDS OF THE DEPARTMENT.

THE "MONTHLY PAYMENT CHART" WILL NOT BE CONSIDERED A BINDING DOCUMENT BY EITHER THE CONTRACTOR OR THE DEPARTMENT AND IS CONSIDERED SOLELY INFORMATIONAL.

ON PROJECTS REQUIRING CPM SCHEDULES, THE CONTRACTOR MAY, BUT IS NOT REQUIRED TO, "COST LOAD" THE CPM SCHEDULE IN ORDER TO GENERATE THE MONTHLY SPEND PAYMENT CHART.

COSTS TO PREPARE AND/OR UPDATE THE "MONTHLY PAYMENT CHART" ARE ADDRESSED AS FOLLOWS:

- ON CONTRACTS REQUIRING CPM SCHEDULES AND UPDATES, PREPARATION OF THE INITIAL CHART SHALL BE INCIDENTAL TO ITEM 763508. UPDATES SHALL BE INCIDENTAL TO ITEM 763509.
 - ON CONTRACTS NOT REQUIRING CPM SCHEDULES, THE COST TO PREPARE AND UPDATE THE "MONTHLY PAYMENT CHART" SHALL BE INCLUDED IN ITEM 763000 - INITIAL EXPENSE.
- THE CONTRACTOR SHALL SUBMIT THE REQUIRED COPIES OF A DETAILED PROGRESS SCHEDULE (PSC) AS OUTLINED IN STANDARD SPECIFICATION 108.04 PRIOR TO OR AT THE PRECONSTRUCTION MEETING. DETAILS SHALL INCLUDE A DESCRIPTION OF EACH WORK ACTIVITY, THE PLANNED DAYS OF WORK, MULTIPLE CREWS OR SHIFTS, AND SCHEDULED WORKING HOURS. DURING THE CONTRACT, THE CONTRACTOR SHALL SUBMIT TWO-WEEK (OR AS REQUIRED) "LOOK AHEAD" SCHEDULES TO THE AREA ENGINEER/MANAGER NO LATER THAN NOON OF EACH THURSDAY. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

SECTION 700

- THE CONTRACTOR SHALL BE REQUIRED TO SHOW PROOF THAT HE HAS SUFFICIENT APPROVED STRIPING MATERIALS ON HAND TO ENSURE STRIPING IS COMPLETED PRIOR TO FULL OPENING ROADWAY TO TRAFFIC.
- ANY ERRONEOUS MARKING WILL NOT BE PAID FOR AND SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. ERRONEOUS MARKINGS OR SHADOWS THAT EXCEED ONE (1) INCH IN WIDTH SHALL BE REMOVED BY EITHER SAND OR WATER BLASTING AS DIRECTED BY THE ENGINEER. NO OTHER REMOVAL METHODS WILL BE ALLOWED. A FLAT BLACK PAINT OR DRIVEWAY SEALER SHALL BE APPLIED IN THE AREA OF THE REMOVED MARKING TO MASK THE REPAIR. ANY DAMAGE TO THE PAVEMENT CAUSED BY REMOVAL OF ERRONEOUS MARKINGS SHALL BE REPAIRED/REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

MISCELLANEOUS

- NO ENVIRONMENTAL PERMITS ARE REQUIRED FOR THIS WORK PROVIDED NO JURISDICTIONAL WETLANDS OR WATERS ARE IMPACTED. IF THERE IS ANY QUESTION AS TO WHETHER OR NOT A WATER OR WETLAND IS JURISDICTIONAL, CONTACT THE DELDOT ENVIRONMENTAL SECTION AT 302-760-2264.
- NO UTILITY RELOCATION INVOLVEMENT IS ANTICIPATED. SHOULD ANY CONFLICTS BE ENCOUNTERED DURING CONSTRUCTION REQUIRING ADJUSTMENT AND/OR RELOCATION OF THE AGENCIES' EXISTING FACILITIES, THE NECESSARY RELOCATION WORK SHALL BE ACCOMPLISHED BY THE RESPECTIVE AGENCIES' FORCES, AS DIRECTED BY THE DISTRICT ENGINEER. ANY ADJUSTMENTS AND/OR RELOCATIONS OF MUNICIPALLY OWNED FACILITIES SHALL BE DONE BY THE STATE'S CONTRACTOR IN ACCORDANCE WITH THE RESPECTIVE AGENCIES' STANDARD SPECIFICATIONS AS DIRECTED BY THE DISTRICT ENGINEER.
- IT IS ANTICIPATED THAT ALL WORK WILL OCCUR WITHIN DELDOT'S EXISTING RIGHT OF WAY OR EASEMENT AREAS. SHOULD THE NEED OCCUR TO TRESPASS ONTO PRIVATE PROPERTY, IT WILL BE THE RESPONSIBILITY OF DELDOT'S PROJECT MANAGER TO SECURE SUCH TRESPASS NEEDS.
- IT IS ANTICIPATED THAT ALL WORK WILL OCCUR WITHIN DELDOT'S RIGHT OF WAY. SHOULD THE NEED OCCUR TO TRESPASS ONTO RAILROAD PROPERTY, INCLUDING THE HIGHWAY-RAIL CROSSING, IT WILL BE THE RESPONSIBILITY OF DELDOT'S PROJECT MANAGER TO CONTACT THE RAILROAD CHIEF ENGINEER AND OBTAIN WRITTEN AUTHORIZATION BEFORE ENTERING.
- DELDOT'S PROJECT MANAGER SHALL BE RESPONSIBLE FOR COORDINATING WITH THE TRAFFIC SECTION RELATING TO ANY IMPACTS TO TRAFFIC SECTION FACILITIES (INCLUDING BUT NOT LIMITED TO TRAFFIC LOOPS, JUNCTION WELLS, ETC.) AT LEAST FOUR (4) WEEKS IN ADVANCE OF THE START OF THE ACTIVITY. ANY RUMBLE STRIPS BEING INSTALLED IN THE VICINITY OF TRAFFIC SECTION FACILITIES SHALL TERMINATE FIVE (5) FEET PRIOR TO AND RESUME FIVE (5) FEET AFTER THE AFFECTED EQUIPMENT. ANY DAMAGE TO THE EQUIPMENT CAUSED BY THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- PRIOR TO INITIATING ANY WORK ON THIS CONTRACT (OR SITES), THE PROJECT MANAGER SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING FOR APPROVAL OF THE SAFETY SECTION, A MAINTENANCE OF TRAFFIC PLAN. SUFFICIENT TIME SHALL BE PROVIDED FOR THE REVIEW AND APPROVAL OF THE PLAN. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE PROPOSED TIME RESTRICTIONS ON THE CLOSURE OF TRAVEL LANES SUBJECT TO THE APPROVAL OF THE SAFETY SECTION.
- DELDOT'S PROJECT MANAGER IS RESPONSIBLE FOR ENSURING ANY REQUIRED DOCUMENTS AND ANALYSIS AS PART OF THE ADOPTED WORK ZONE SAFETY AND MOBILITY PROCEDURES AND GUIDELINES HAS BEEN COMPLETED PRIOR TO ANY WORK STARTING ON THIS CONTRACT.

GENERAL CONSTRUCTION NOTES

- AFTER RUMBLE STRIPS ARE INSTALLED AND PRIOR TO OPENING THE ROADWAY TO UNRESTRICTED USE, CONTRACTOR SHALL USE A VACUUM TRUCK TO CLEAN TRAVEL LANES AND SHOULDERS OF ALL DEBRIS INCLUDING... LANES AND SHOULDERS SHALL BE SWEEPED CLEAN OF ALL DEBRIS INCLUDING PAVEMENT MILLINGS. SWEEPING OPERATION SHALL BE PART OF THE MOBILE OPERATION CONVOY.
- ALL RUMBLE "STRIPES" SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS AND PAID UNDER ITEM 760012 - RUMBLE STRIPS, BIKE-FRIENDLY, HOT-MIX OR ITEM 760013 - RUMBLE STRIPS, BIKE-FRIENDLY, CONCRETE. ~~NO ADDITIONAL PAYMENT WILL BE MADE FOR THE INSTALLATION OF RUMBLE STRIPE PAVEMENT MARKINGS.~~ 
- THE CONTRACTOR SHALL PLACE A HIGH MOLECULAR WEIGHT METHACRYLATE PENETRATING SEALER OVER AREAS WHERE RUMBLE STRIPS HAVE BEEN INSTALLED ON BRIDGE DECKS PER THE MANUFACTURER'S RECOMMENDATIONS. ALL COSTS WITH THIS WORK WILL BE INCIDENTAL TO THE INSTALLATION OF THE RUMBLE STRIPS.

MAINTENANCE OF TRAFFIC NOTES

- MAINTENANCE OF TRAFFIC FOR OPERATIONS UNDER THIS CONTRACT SHALL CONFORM TO THE FOLLOWING TYPICAL APPLICATIONS OF THE DEMUTCD:

INTERSTATES, FREEWAYS, AND EXPRESSWAYS

EDGE LINE RUMBLE STRIP INSTALLATION:	TA-35
REPLACEMENT OF PAVEMENT MARKINGS:	TA-35E
CONE RECOVERY FOR PAVEMENT MARKING OPERATIONS:	TA-35

MULTILANE HIGHWAYS

EDGE LINE RUMBLE STRIP INSTALLATION:	TA-35
CENTERLINE RUMBLE STRIP INSTALLATION:	TA-35
REPLACEMENT OF PAVEMENT MARKINGS:	TA-35C
CONE RECOVERY FOR PAVEMENT MARKING OPERATIONS:	TA-35

TWO-LANE, TWO-WAY ROADWAYS

EDGE LINE RUMBLE STRIP INSTALLATION:	TA-17
CENTERLINE RUMBLE STRIP INSTALLATION:	TA-17
REPLACEMENT OF PAVEMENT MARKINGS:	TA-17B
CONE RECOVERY FOR PAVEMENT MARKING OPERATIONS:	TA-17

- THE CONTRACTOR SHALL ENSURE THAT DISRUPTION TO TRAFFIC IS MINIMIZED AT ALL TIMES IN ALL CASES.

NO LANE CLOSURES SHALL BE ALLOWED ON MULTILANE ROADWAYS BETWEEN 6:00 AM AND 7:00 PM ON STANDARD WEEKDAYS, (I.E. MONDAY THROUGH FRIDAY) WITHOUT PRIOR PERMISSION FROM THE ENGINEER. CONSIDERATION MUST BE GIVEN TO THE DURATION OF THE CLOSURE, THE NUMBER OF LANES ON THE HIGHWAY, THE NUMBER OF LANES AFFECTED BY THE CLOSURE AND THE CONDITIONS CREATED BY THE CLOSURE. WHEN PRIOR PERMISSION IS GRANTED, THE CONTRACTOR SHALL ENSURE THAT LANE CLOSURES ARE REMOVED PRIOR TO PEAK PERIODS ON THE ROADWAY, TYPICALLY FROM 6:00 AM TO 9:00 AM AND FROM 3:00 PM TO 7:00 PM.

NO LANE CLOSURES ON TWO-LANE ROADWAYS WITH AADT GREATER THAN OR EQUAL TO 5,000 VEHICLES SHALL OCCUR BETWEEN 6:00 AM TO 9:00 AM AND/OR 3:00 PM TO 7:00 PM ON A STANDARD WEEKDAY, (I.E. MONDAY THROUGH FRIDAY) WITHOUT PRIOR PERMISSION FROM THE ENGINEER. FOR TWO-LANE ROADWAYS WITH AADT LESS THAN 5,000 VEHICLES PER DAY, LANE CLOSURES TYPICALLY WILL BE ALLOWED AT ANY TIME.

SUMMER WEEKEND OPERATIONS MAY OCCUR ON NON-BEACH ROUTE ROADWAYS SUBJECT TO DETERMINATION BY THE ENGINEER, BUT NO SUMMER WEEKEND WORK SHALL TAKE PLACE ON MAJOR BEACH ROUTES.

NIGHTTIME WORK MAY OCCUR ON CONGESTED MAJOR ROADWAY CORRIDORS AND/OR AT LOCATIONS AS DETERMINED BY THE ENGINEER WHERE DAYTIME LANE CLOSURES WILL CAUSE EXCESSIVE DISRUPTION TO TRAFFIC FLOW.

QUESTIONS REGARDING THE TIMING OF LANE CLOSURES ON A PARTICULAR ROADWAY SHALL BE DIRECTED TO THE DELDOT DISTRICT SAFETY OFFICER.

IT SHALL BE NOTED THAT THE PROVISIONS ABOVE ARE FOR GENERAL GUIDANCE AND THAT THE DEPARTMENT CAN BE MORE RESTRICTIVE AT ITS DISCRETION.

