



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
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DOVER, DELAWARE 19903

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GOVERNOR

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VIA WEBSITE POSTING

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September 4, 2014

Contract No. T201107210.01
Federal Aid Project No. EBHOS-K371(02)
BR 371A on K371 Barratts Chapel Road over Double Run
Kent County

Ladies and Gentlemen:

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

1. The date for the receipt of bids has been moved to Tuesday, September 16, 2014.
2. One (1) page, Bid Proposal Cover, revised, to be substituted for the same page in the Proposal.
3. One (1) page, Location Description, page i, revised, to be substituted for the same page in the Proposal. The Notice to Proceed date has been revised.
4. Two (2) sheets, Construction Plans, sheets 1 and 3, revised, to be substituted for the same sheets 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
Enclosures

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

BID PROPOSAL

for

CONTRACT T201107210.01

FEDERAL AID PROJECT NO. EBHOS-K371(02)

BR 2-371A ON K371 BARRATTS CHAPEL ROAD OVER DOUBLE RUN

KENT COUNTY

ADVERTISEMENT DATE: August 11, 20134

Completion Date 54 Calendar Days

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

Bids will be received in the Bidder's Room, Transportation Administration Center, 800 Bay Road, Dover, Delaware until 2:00 P.M. local time ~~September 9, 2014~~ **September 16, 2014**

**Contract No.T201107210.01
Federal Aid Project No. EBHOS-K371(02)**

**BR 2-371A ON K371 BARRATTS CHAPEL ROAD OVER DOUBLE RUN
KENT COUNTY**

GENERAL DESCRIPTION

LOCATION

These improvements are located in KENT County more specifically shown on the Location Map(s) of the enclosed Plans.

DESCRIPTION

THE IMPROVEMENTS CONSIST OF FURNISHING ALL LABOR AND MATERIALS FOR THIS PROJECT AND INVOLVES THE REPLACEMENT OF BRIDGE 2-371A, CONSISTING OF 3 LARGE-SPAN CORRUGATED METAL PIPE ARCHES, IN KIND. THE APPROACH ROADWAYS WILL BE RECONSTRUCTED AS NEEDED. ADDITIONAL WORK INCLUDES PLACING RIPRAP FOR SCOUR PROTECTION AND INSTALLING GUARDRAIL AS NECESSARY. THE WORK WILL BE PERFORMED UNDER A FULL ROAD CLOSURE WITH A DETOUR, AND OTHER INCIDENTAL CONSTRUCTION IN ACCORDANCE WITH THE LOCATION. NOTES AND DETAILS ARE SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

COMPLETION DATE

All work on this contract must be complete within 54 Calendar Days. The Contract Time includes an allowance for 10 Weather Days. It is the Department's intent to issue a Notice to Proceed such that work starts on or about ~~February 19, 2015~~ **December 23, 2014**.

PROSPECTIVE BIDDERS NOTES:

1. No retainage will be withheld on this contract.
2. The Department's External Complaint Procedure can be viewed on our Website at: <http://www.deldot.gov/information/business/>, or you may request a copy by calling (302) 760-2555.
3. This project incorporates the electronic bidding system **Expedite, version 5.9a**.. Bidders wishing to use the electronic bidding option will find the installation file on the plan holders bid file disk. The installation file and instructions are also available on our Website at: http://www.deldot.gov/information/business/bids/const_proj_bid_info.shtml.
4. BIDDERS MUST REQUEST A CD OF THE OFFICIAL PLANS AND SPECIFICATIONS FROM THE DEPARTMENT IN ORDER TO SUBMIT A BID.
5. Please note the Special Provision titled **Changes to Project Documents During Advertisement**. The Department is using an alternative method of providing bid documents for this contract.

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.
- SITE REVIEWER - AN EROSION CONTROL SITE REVIEWER SHALL BE A PERSON FROM THE CONTRACTOR'S STAFF ASSIGNED TO EROSION AND SEDIMENT CONTROL IMPLEMENTATION AND MAINTENANCE AND SHALL BE REQUIRED ON SPECIFIC PROJECTS. THE NAME AND DNREC CERTIFICATION NUMBER OF EACH SITE REVIEWER SO REQUIRED SHALL BE SUBMITTED TO THE DEPARTMENT PRIOR TO THE EXECUTION OF THE CONTRACT. THE NAME OF THE DELAWARE REGISTERED PROFESSIONAL ENGINEER PROVIDING DIRECTION AND SUPERVISION OF THE SITE REVIEWER, AS REQUIRED IN SECTION 12.3 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS, SHALL ALSO BE SUBMITTED TO THE DEPARTMENT PRIOR TO THE EXECUTION OF THE CONTRACT. THE SITE REVIEWER REQUIREMENTS IN EFFECT ON THIS PROJECT SHALL BE MARKED WITH AN "X" BELOW:

EROSION POTENTIAL FOR THIS PROJECT	SITE REVIEWER REQUIREMENT
() INSIGNIFICANT	NONE
() MINOR	CONTRACTOR CERTIFICATION COURSE TRAINING ONLY, AS DEFINED IN SECTION 13 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
(X) MEDIUM	THE SUPERINTENDENT OR A SEPARATE INDIVIDUAL FROM THE CONTRACTOR'S STAFF SHALL BE A CERTIFIED CONSTRUCTION REVIEWER (CCR), AS DEFINED IN SECTION 12 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
() MAJOR	SUPERINTENDENT AND AN INDIVIDUAL FROM CONTRACTOR'S STAFF SHALL BE CCR. ONE INDIVIDUAL FROM THE CONTRACTOR'S STAFF MUST BE A CCR PRIOR TO THE EXECUTION OF THE CONTRACT. THE SUPERINTENDENT MUST BECOME A CCR WITHIN ONE YEAR AFTER THE AWARD OF CONTRACT.

- ELECTRONIC PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR, INCLUDE:

()	NONE
()	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
(X)	RASTER FILES, IN .PDF FILE FORMAT, FOR ALL PLAN SHEETS.
()	EXISTING DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
()	PROPOSED DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
()	DESIGN FILE, IN .DGN FILE FORMAT, CONTAINING ONLY THE PROPOSED 3D TRIANGLES OF THE PROPOSED DIGITAL TERRAIN MODEL (DTM).

NOTE: THE DOCUMENT ENTITLED "RELEASE FOR DELIVERY OF DOCUMENTS IN ELECTRONIC FORM TO A CONTRACTOR" MUST BE SIGNED BY ALL PARTIES PRIOR TO THE DELIVERY OF ANY ELECTRONIC PROJECT FILES.

- PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE CONTRACTOR, INCLUDE:

(X)	CROSS SECTIONS (WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR)
(X)	RIGHT-OF-WAY PLANS (INCLUDED IN PLAN SET)

- AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

(X)	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
()	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT OR ANOTHER ATSSA CERTIFIED MEMBER OF THE CONTRACTOR'S PROJECT STAFF MAY BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 743000.
()	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE ATSSA SUPERVISOR'S SOLE JOB SHALL BE SUPERVISION OF THE INSTALLATION, OPERATION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT SHALL NOT BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR SHALL BE PAID FOR UNDER ITEM 743031.

- THE DISTURBED AREA FOR THIS PROJECT IS 1.15 ACRES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO THE CONSTRUCTION SITE POLLUTION PREVENTION SPECIFICATIONS AS DETAILED IN SECTION 3.6 OF THE "DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK". ALL COSTS ASSOCIATED WITH ADHERING TO THE STANDARDS SHALL BE INCIDENTAL TO THE OVERALL CONTRACT COSTS.
- THE EROSION AND SEDIMENT CONTROL PLANS HAVE BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. THE EROSION AND SEDIMENT CONTROL PLANS ARE VALID FOR A THREE YEAR PERIOD, BEGINNING ON THE DATE THE STORMWATER ENGINEER SIGNED THE CONSTRUCTION TITLE SHEET. IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE THREE YEARS, THE CONTRACTOR SHALL INFORM THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION OF THE EROSION AND SEDIMENT CONTROL PLAN APPROVAL. DELDOT WILL REVIEW THE CURRENT EROSION AND SEDIMENT CONTROL PLAN AND ISSUE AN EXTENSION WITH ANY APPROPRIATE MODIFICATIONS.
- PROPOSED STRUCTURE SHALL CONSIST OF 137" x 87" CORRUGATED METAL PIPE ARCHES WITH A MINIMUM 12 GAUGE THICKNESS AND 5"x1" CORRUGATIONS. THE PROTECTIVE COATING SYSTEM MAY CONSIST OF EITHER ZINC OR ALUMINUM AS DESCRIBED IN SECTION 614 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL IN ACCORDANCE WITH SECTION 105 OF THE STANDARD SPECIFICATIONS. SHOP DRAWINGS SHALL INCLUDE DETAILS OF THE CORRUGATED METAL PIPE ARCH INCLUDING: SIZE, MATERIAL, GAUGE, CORRUGATION AND PROTECTIVE COATING SYSTEM. PAYMENT FOR SHOP DRAWINGS SHALL BE INCLUDED IN ITEM #614275.

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.

SECTION 200

- ITEMS TO BE REMOVED UNDER ITEM #211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - REMOVAL OF THREE EXISTING CORRUGATED METAL PIPE ARCHES
 - REMOVAL OF EXISTING SACK RIP-RAP
 - REMOVAL OF EXISTING GUARDRAIL WHERE NOTED
 - REMOVAL OF EXISTING CURB WHERE NOTED
 - REMOVAL OF APPROXIMATELY 10 CY OF PCC LOCATED BETWEEN PIPES
- UNDERCUT EXCAVATION
SOIL BORINGS IDENTIFIED A SOIL LAYER DESCRIBED AS A "WET VERY LOOSE BROWN SILTY COARSE TO FINE SAND WITH TRACE OF FINE GRAVEL," AT THE APPROXIMATE ELEVATION OF THE PROPOSED COARSE AGGREGATE. THIS LAYER MAY BE UNACCEPTABLE FOR BEARING OF THE STRUCTURE AND SHALL BE EXCAVATED UNTIL SUITABLE MATERIAL IS REACHED AS DETERMINED BY THE FIELD ENGINEER. UNDERCUT SHALL BE LIMITED TO A MAXIMUM OF 3.0 FT IN DEPTH BELOW THE COARSE AGGREGATE LAYER. UNDERCUT PAYMENT SHALL BE UNDER ITEM #212000 - UNDERCUT EXCAVATION. UNDERCUT AREAS SHALL BE BACKFILLED WITH COARSE AGGREGATE, PAYMENT UNDER ITEM #608000 - COARSE AGGREGATE.
- A SUB-SURFACE EXPLORATION REVEALED EXISTING SOIL CONDITIONS TO INCLUDE SMALL DIAMETER SOIL PARTICLES, LOOSE SANDS AND A HIGH WATER TABLE. THESE CONDITIONS ARE FAVORABLE TO THE ISSUE OF RUNNING SANDS WITHIN THE PROJECT AREA. IF NEEDED, AND WITH APPROVAL OF THE ENGINEER, WELL POINTS SHALL BE USED TO LOWER GROUNDWATER ELEVATION. PAYMENT INCLUDED UNDER ITEM #202574-WELL POINT SYSTEM.
- TEMPORARY SHEET PILE USED FOR STREAM DIVERSION SHALL PAID AND INSTALLED AS PER ITEM #207500-COFFERDAMS.

SECTION 300

- THE CONTRACTOR MAY ELECT TO USE ANY OF THE FOLLOWING MATERIALS TO MEET THE REQUIREMENTS OF ITEM 302007
 - GRADED AGGREGATE BASE COURSE, TYPE 'B':
 - CRUSHED STONE (PER STANDARD SPECIFICATION 821)
 - CRUSHED CONCRETE (PER STANDARD SPECIFICATION 821)
 - HOT-MIX MILLINGS (PER SPECIAL PROVISION 302514 MILLED HOT-MIX BASE COURSE)
 THE CONTRACTOR WILL NOT BE ALLOWED TO MIX DIFFERENT MATERIALS (OR SIMILAR MATERIALS FROM DIFFERENT SOURCES) TO MEET THE REQUIREMENTS OF ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'. ALL OF THE ABOVE LISTED MATERIALS ARE PERMITTED FOR USE ON THE JOB, PROVIDED THEY ARE SEPARATED INTO APPROVED AREAS. EACH AREA OF BASE COURSE MUST BE CONSTRUCTED USING MATERIALS FROM A SINGULAR SOURCE, FULL DEPTH, IN ORDER THAT PROPER TESTING MAY BE ACCOMPLISHED. THE CONTRACTOR AND ENGINEER SHALL AGREE ON THE LIMITS OF EACH SOURCE OF MATERIAL PRIOR TO PLACEMENT.
 - THE QUANTITY USED FOR BASE OF EACH OF THE ABOVE LISTED MATERIALS WILL BE THE CONTRACTOR'S CHOICE, WITH THE TOTAL BEING EQUAL TO THE ACTUAL QUANTITY USED UNDER ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'.
 - THE CONTRACTOR MAY ALSO ELECT TO RECYCLE MILLINGS FOR USE IN HOT-MIX AS PERMITTED BY THE STANDARD SPECIFICATIONS. THE CHOICE OF THE QUANTITY OF MILLINGS USED FOR THIS PURPOSE, OR FOR BASE COURSE, LIES WITH THE CONTRACTOR. ALL EXCESS MILLING MATERIAL SHALL BECOME PROPERTY OF THE CONTRACTOR.
 - HOT-MIX MILLINGS MAY BE GENERATED FROM THE FOLLOWING SOURCES:
 - MATERIAL MADE AVAILABLE WHEN MILLED ON THIS CONTRACT UNDER ITEM 760006.
 - MATERIAL MILLED ON THIS CONTRACT AT THE CONTRACTOR'S CHOICE UNDER ITEM 202000.
 - MILLED MATERIAL FURNISHED ON THE JOB FROM THE CONTRACTOR'S YARD OR OTHER OUTSIDE SOURCE.
 ALL MILLED MATERIALS SHALL MEET THE MATERIAL REQUIREMENTS OF ITEM 302514 - MILLED HOT-MIX BASE COURSE.
 - PAYMENT CLARIFICATION
 - SHOULD THE CONTRACTOR ELECT TO MILL PORTIONS OF HOT-MIX SHOWN ON THE PLANS TO BE REMOVED UNDER ITEM 202000 - EXCAVATION AND EMBANKMENT THE COST OF MILLING THIS HOT-MIX WILL BE PAID AS ITEM 202000 - EXCAVATION AND EMBANKMENT. THE MILLINGS GENERATED MAY BE RECYCLED INTO HOT-MIX, UTILIZED FOR BASE COURSE, OR DISPOSED OF TO AN APPROVED SITE. HAULING COSTS FOR DISPOSAL AND/OR RECYCLING ARE INCIDENTAL TO ITEM 202000 - EXCAVATION AND EMBANKMENT.
 - SHOULD THE CONTRACTOR ELECT TO TEMPORARILY STOCKPILE MILLINGS ON THE JOB SITE FOR LATER USE, ALL COSTS FOR STOCKPILING AND SUBSEQUENT REHANDLING SHALL BE INCIDENTAL TO ITEM 202000 - EXCAVATION AND EMBANKMENT.
 - MILLINGS USED FOR BASE COURSE SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIAL PROVISION 302514 - MILLED HOT-MIX BASE COURSE. NO SEPARATE PAYMENT WILL BE MADE TO FURNISH MILLINGS FROM AN OUTSIDE SOURCE OR TRANSPORT MILLINGS WITHIN THE PROJECT LIMITS. MILLINGS USED FOR BASE COURSE WILL BE PAID FOR AT THE UNIT BID PRICE FOR ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'.
 - ALL COSTS TO UTILIZE MILLINGS IN RECYCLED HOT-MIX WILL BE INCIDENTAL TO THE UNIT PRICE BID FOR THE HOT-MIX ITEM USING THE RECYCLED MATERIAL.
 - SPECIAL PROVISION 302514 - MILLED HOT-MIX BASE COURSE IS PROVIDED TO SPECIFY THE MEANS OF LAY DOWN AND COMPACTION AS WELL AS THE MATERIAL REQUIREMENTS FOR MILLINGS USED AS BASE COURSE. ALL COSTS TO BRING THE MILLINGS INTO COMPLIANCE WITH THE REQUIREMENTS OF ITEM - 302514 MILLED HOT-MIX BASE COURSE ARE INCIDENTAL TO ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'. NO PAYMENT WILL BE MADE FOR ITEM 302514 - MILLED HOT-MIX BASE COURSE. THE QUANTITY OF MILLINGS USED FOR BASE COURSE WILL BE PAID FOR UNDER ITEM 302007 - GRADED AGGREGATE BASE COURSE.

SECTION 700

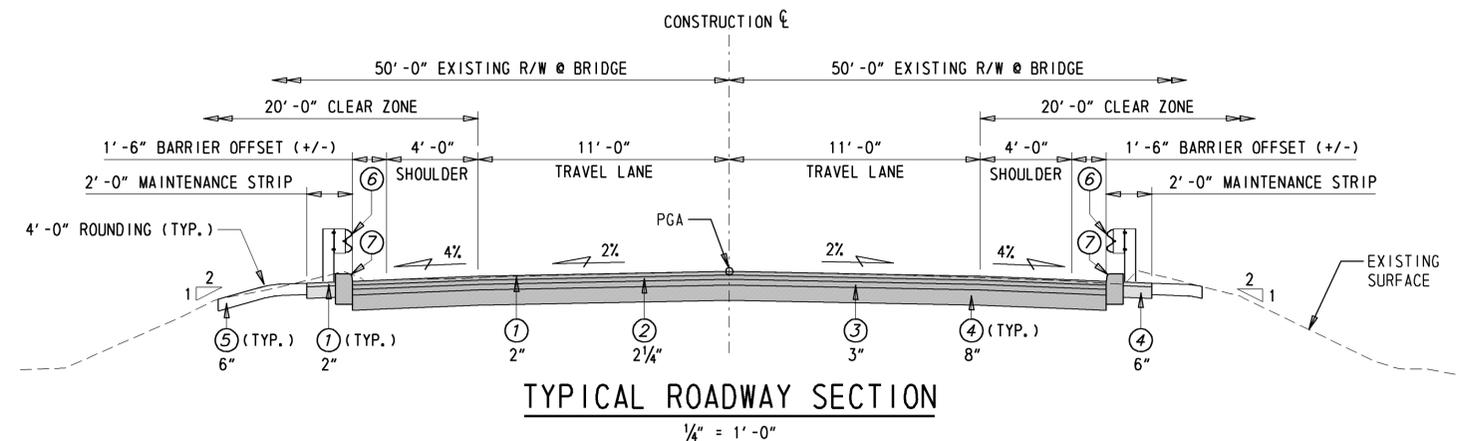
- ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT. ALL HOT-MIX SAW CUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- STRIPING
PROPOSED STRIPING SHALL MATCH EXISTING STRIPING PATTERN OF A DOUBLE YELLOW CENTERLINE AND WHITE EDGE LINES. LANE WIDTHS HAVE BEEN MODIFIED AS PER PLANS. PROPOSED EDGE LINE STRIPING SHALL TIE INTO EXISTING EDGE LINE STRIPING OVER A 25 FEET TRANSITION PERIOD. PAYMENT FOR PERMANENT PAVEMENT STRIPING UNDER ITEM #748548 - PERMANENT PAVEMENT STRIPING.
- SIGNING
EXISTING "HIDDEN ENTRANCE" AND "PEDESTRIAN ADVISORY" SIGN SHALL REMAIN AS IS UPON PROJECT COMPLETION. TO AVOID DAMAGE, THE SIGNS MAY BE REMOVED DURING CONSTRUCTION, BUT MUST BE REPLACED TO MATCH EXISTING CONDITIONS BEFORE REOPENING THE ROADWAY. ALL WORK RELATED TO MOVING AND REINSTALLING SIGNS SHALL BE INCIDENTAL TO ITEM #211000-REMOVAL OF STRUCTURES AND OBSTRUCTIONS. IF A SIGN IS DAMAGED, IT MUST BE REPLACED AT THE CONTRACTORS EXPENSE.
- ALL M.O.T. ITEMS WITH THE EXCEPTION OF CHANGEABLE MESSAGE BOARDS AND FLAGGERS WILL BE INCLUDED IN ITEM #763643-MAINTENANCE OF TRAFFIC, ALL INCLUSIVE.

MISCELLANEOUS

- DESIGN CRITERIA
2012 AASHTO LRFD BRIDGE DESIGN, 6TH EDITION. U.S. CUSTOMARY UNITS.
- LOADING
AASHTO HL-93 FOR LIVE LOAD
25 PSF DEAD LOAD HAS BEEN INCLUDED FOR FUTURE OVERLAY.
- HYDRAULIC DATA
-DRAINAGE AREA = 8.98 SQ. MILES
-DESIGN FREQUENCY = 50 YEARS
-DESIGN DISCHARGE = 2623.00 CFS
-50 YEAR FLOOD ELEVATION = 7.78 FT
- SCOUR ANALYSIS
THE PROPOSED STRUCTURE HAS BEEN ANALYZED FOR THE EFFECTS OF SCOUR IN ACCORDANCE WITH HEC-14 - 'HYDRAULIC DESIGN OF ENERGY DISSIPATORS FOR CULVERTS AND CHANNELS', HEC-18 - 'EVALUATING SCOUR AT BRIDGES' AND HEC-23 - 'BRIDGE SCOUR AND STREAM INSTABILITY COUNTERMEASURE'. SCOUR COUNTERMEASURES HAVE BEEN DETERMINED WITH CONSIDERATION OF EXISTING CONDITIONS AND THE USE OF ENGINEERING JUDGEMENT.
-DESIGN EVENT: 500 YEAR
-DESIGN VELOCITY: 10.47 FT/S
-DESIGN DISCHARGE: 1978.65 CFS
-TAILWATER DEPTH: 7.81 FT
- UTILITIES
IT IS THE RESPONSIBILITY OF THE INDIVIDUAL UTILITY COMPANY(IES) WORKING AT THIS PROJECT LOCATION TO OBTAIN ALL THE REQUIRED PERMITS/AUTHORIZATIONS FROM THE APPROPRIATE MUNICIPAL, COUNTY, STATE AND FEDERAL REGULATORY AGENCIES FOR AUTHORIZATION OF THEIR WORK. THE ENVIRONMENTAL PERMITS CITED ON THIS EC SHEET DO NOT AUTHORIZE ANY PART OF THE UTILITY WORK ASSOCIATED WITH THIS PROJECT. SEE THE UTILITY STATEMENT FOR RELOCATION DETAILS.
- ENVIRONMENTAL COMPLIANCE
AT THIS PARTICULAR LOCATION, LIGHT GRADATION CHANNEL BED FILL MAY BE USED IN LIEU OF MEDIUM GRADATION. REFER TO THE ENVIRONMENTAL COMPLIANCE PLAN FOR ANY RESTRICTIONS AND ADDITIONAL GUIDANCE THAT MAY BE ASSOCIATED TO THIS PROJECT.

LEGEND

- ITEM 401801 - WMA, SUPERPAVE TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)
- ITEM 401810 - WMA, SUPERPAVE TYPE B, 160 GYRATIONS, PG 64-22
- ITEM 401819 - WMA, SUPERPAVE BCBC, 160 GYRATIONS, PG 64-22
- ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- ITEM 732002 - TOPSOIL, 6" DEPTH
ITEM 734013 - PERMANENT GRASS SEEDING, DRY GROUND
- ITEM 720043 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-27
- ITEM 701012 - PORTLAND CEMENT CONCRETE CURB, TYPE 1-4



ADDENDUMS / REVISIONS

NOTE #9 ADDED. SMW 9/3/14

SCALE: AS NOTED

BR 2-371A ON K371
BARRATTS CHAPEL ROAD
OVER DOUBLE RUN

CONTRACT	BRIDGE NO.	2-371A	SHEET NO.
T201107210	DESIGNED BY:	SMW	3
COUNTY	CHECKED BY:	EM	TOTAL SHTS.
KENT			16

NOTES AND
TYPICAL SECTION