

ITEM 441, TRIAL BMD, (CONT'D)

ADDITIONAL MATERIALS NEEDED:

- THE DEPARTMENT PLANS TO SAMPLE EACH TRIAL SECTION AND CONTROL FOUR TIMES EACH WITH APPROXIMATELY 750 POUNDS OF MIX FROM EACH OR 3,000 POUNDS FOR EACH SECTION.
- THE DEPARTMENT PLANS TO GRAB RAW MATERIALS USED IN THE MIX DESIGNS NEAR THE FACE OF THE PILE (EACH AGGREGATE USED, RAP, AND BAGHOUSE FINES, IF USED). APPROXIMATELY 5,000 POUNDS OF MATERIAL TOTAL WILL BE GRAB. THE BREAKDOWN FOR EACH AGGREGATE AND RAP WILL BE BASED ON PERCENTAGES USED IN THE MIX DESIGNS.
- THE DEPARTMENT PLANS TO GRAB 50 – 1-QUART SAMPLES OF EACH VIRGIN PG BINDER USED.

PRODUCTION AND PLACEMENT:

- IT'S EXPECTED THAT PRODUCTION AND PLACEMENT WILL BE SLOWER THAN NORMAL PRODUCTION AND PLACEMENT OPERATIONS DUE TO THE INCREASED SAMPLING AND VARIOUS TRIAL SECTIONS.

TRIAL SECTION ACCEPTANCE OF MIX EXCLUDING CONTROL:

- OFFSET AC NUCLEAR GAUGE AT LEAST THE PRODUCTION DAY BEFORE EACH TRIAL.
- FOLLOW THE AC NUCLEAR GAUGE AS PER PLAN FOR THE TRIALS, EXCEPT AS FOLLOWS:
 - DO NOT RUN THE EXTRACTIONS OUTSIDE OF TROUBLESHOOTING DUE TO ISSUES.
 - CALIBRATION AND VERIFICATION PANS FOR TRIAL SECTIONS 3 AND 4 SHOULD BE DONE AFTER THE TEST BATCHES IN CASE OF CHANGES.
 - ADJUST THE PLANT TOTAL AC TO TARGET THE TRIAL SECTION TOTAL AC BASED ON AC NUCLEAR GAUGE TESTS. THE ADJUSTMENT COULD BE RAP BIN PERCENTAGE AND TOTAL AC (VIRGIN AC).
- SAMPLE AND TEST ONE FULL QUALITY CONTROL SAMPLE PER TRIAL SECTION PER 403.05 AND 403.06 AT 75 TO 100 TONS. FOR TRIAL SECTIONS 1, 2, 5, AND 6, SAMPLE AND TEST THE AC NUCLEAR GAUGE AT 400 TONS ± 50 TONS AND AC NUCLEAR GAUGE AND GRADATION AT 600 TONS ± 50 TONS. FOR TRIAL SECTIONS 3 AND 4, SAMPLE AND TEST THE AC NUCLEAR GAUGE AND GRADATION AT 275 TONS ± 50 TONS. CURE SPECIMENS IN THE OVEN THE SAME TIME THAT THE CONTROL WAS CURED (1-HOUR OR 2-HOUR PER 403.06). ACCEPT MIX ON ASPHALT CONTENT, GRADATION, AND F-T ONLY HOWEVER REPORT ALL RESULTS. USE THE MSG RESULT TO CALCULATE THE DENSITY OF THE CORES FOR THAT SECTION. CALCULATE AIR VOIDS AND VMA FOR INFORMATIONAL PURPOSES. DO NOT USE AIR VOIDS OR VMA IN ACCEPTANCE, PAY DEDUCTIONS, OR PLANT SHUT DOWN.
- CORE FIVE (5) FOUR-INCH NON-JOINT CORES AND AVERAGE FOR EACH TRIAL SECTION FOLLOWING 446 AND TABLE 446.04-2.

SIGNAGE:

- SPECIAL SIGNS FOR EACH TRIAL SECTION WITH TRIAL SECTION # WITH PG 64 OR PG 70, RAP %, AND TOTAL AC. **SIGNS ITEMIZED SEPARATELY IN PLANS (SEE SHEET 19).**

ITEM 202, CATCH BASIN REMOVED, AS PER PLAN

PAYMENT INCLUDES REMOVAL OF EXISTING CONCRETE APRON, IF PRESENT, AND SHALL BE DISPOSED OFF-SITE.

ITEM 611, CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN

THIS ITEM SHALL BE USED TO RECONSTRUCT EXISTING CATCH BASINS AT THE LOCATIONS SHOWN IN THESE PLANS, AS DIRECTED BY THE ENGINEER.

RECONSTRUCT ALL CATCH BASINS AS FOLLOWS:

- 1.) REMOVE AND DISPOSE OF EXISTING BASIN TOP AND GRATE
- 2.) REBUILD STRUCTURE WALLS DOWN TO 12 INCHES BELOW THE BASIN TOP, IF NECESSARY.
- 3.) TIE-IN EXISTING UNDERDRAINS, IF NECESSARY
- 4.) INSTALL NEW BASIN TOP AND GRATE AT EXISTING GRADE SHOWN IN THE PLANS PER STANDARD DRAWING **CB-4/CB-6.**
- 5.) REMOVE AND INSTALL NEW APRON, IF SPECIFIED. (RIPRAP ITEMIZED SEPARATELY)
- 6.) REGRADE AND PERFORM SEEDING AND MULCHING (ITEMIZED SEPARATELY)

THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING ALL CATCH BASIN DEBRIS AND DISPOSING OFF SITE AT THE COMPLETION OF THE PROJECT. THIS WORK SHALL BE INCLUDED IN THE CATCH BASIN RECONSTRUCTION COSTS.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS DESCRIBED ABOVE AND SHALL BE INCLUDED FOR PAYMENT.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS AFFECTED BY MEDIAN CATCH BASIN RECONSTRUCTION.

ITEM 659, SEEDING AND MULCHING, CLASS 2 LOCATION 1: 300 SY

ITEM 623, MONUMENT ASSEMBLY RECONSTRUCTED TO GRADE, AS PER PLAN

THIS ITEM IS FOR THE RECONSTRUCTION OF EXISTING MONUMENT BOXES BURIED UNDER THE ASPHALT CONCRETE SURFACE AT THE LOCATIONS SPECIFIED BELOW.

STA. 50+02.10, 0.99' RT (N 286461.462, E 1956786.543)
STA. 1079+99.32, 1.62' RT (N 310129.934, E 1954401.254)

THE CONTRACTOR SHALL EXCAVATE DOWN **APPROX. 18"** TO REMOVE THE EXISTING MOUNMENT FRAME AND COVER AND INSTALL A NEW MONUMENT BOX PER STANDARD DRAWING **RM-1.1** AT THE PROPOSED SURFACE ELEVATION. BACKFILL AROUND THE MONUMENT BOX WITH CLASS QC 1 CONCRETE OR APPROVED EQUAL AND BRING CONCRETE TO SURFACE AT A DIMENSION NO LARGER THAN **2'W X 2'L**. SEAL AROUND CONCRETE SURFACE PER 705.04 AFTER RESURFACING HAS BEEN COMPLETED.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS DESCRIBED ABOVE AND SHALL BE INCLUDED FOR PAYMENT.

ITEM 623, MONUMENT ASSEMBLY RECONSTRUCTED TO GRADE, AS PER PLAN LOCATION 1: 2 EACH

ITEM 623, CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE DEPARTMENT:

THE CONTRACTOR SHALL PROVIDE AS-BUILT DATA FOR THE SPECIFIED COMPLETED CONSTRUCTION ITEMS IN OHIO STATE PLANE COORDINATES (GRID). THE CONSTRUCTION ITEMS SHALL BE LOCATED AS PER THE SURVEY FEATURE CODE LIST FOUND ON THE OHIO DEPARTMENT OF TRANSPORTATION OFFICE OF CADD & MAPPING SERVICES WEBSITE. **AN EMAIL** CONTAINING A COMMA DELIMITED ASCII FILE AND A SURVEYOR'S CERTIFICATION SHALL BE DELIVERED TO CODY.GIERHART@DOT.OHIO.GOV WITH THE PROJECT ENGINEER AND AREA ENGINEER COPIED ON THE EMAIL. AFTER ALL THE INFORMATION HAS BEEN COLLECTED. THE ASCII FILE SHALL INCLUDE A HEADER CONTAINING NAME OF SURVEYOR, DATE(S) OF COLLECTION, HORIZONTAL DATUM (I.E. NAD83 (2011), OHIO STATE PLANE COORDINATE SYSTEM NORTH OR SOUTH), VERTICAL DATUM (I.E. NAVD 88, GEOID12A) AND METHOD OF COLLECTION (I.E. OHIO VRS, GPS RTK, TOTAL STATION, ETC.) AND BE IN A TABLE FORM AS FOLLOWS:

POINT NUMBER, NORTHING, EASTING, ELEVATION, FEATURE CODE, DESCRIPTION

BELOW IS A LIST OF THE ITEMS THE CONTRACTOR IS REQUIRED TO PROVIDE FOR THE PROJECT:

- NEWLY INSTALLED OR RECONSTRUCTED: CATCH BASINS, CONDUIT, SIGNS, AND MONUMENT BOXES

THE ABOVE ITEMS SHALL BE COLLECTED USING SURVEY GRADE EQUIPMENT MEETING THE REQUIREMENTS OF SECTION 400 IN THE OHIO DEPARTMENT OF TRANSPORTATION SURVEY & MAPPING SPECIFICATIONS MANUAL.

ALL COST ASSOCIATED WITH OBTAINING THE INFORMATION LISTED ABOVE SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN.

ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT

THIS ITEM CONSISTS OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING **12" INCH** DIAMETER CONDUIT AND FILLING THE AREA SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

LOCATE THE BULKHEADS AT THE LIMITS OF THE AREA TO BE FILLED, AS INDICATED ON THE PLANS. THE BULKHEADS CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

PUMP THE FILL MATERIAL INTO PLACE OR BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH IS FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR IS THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED PER 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT.

DESIGN AGENCY



DESIGNER
RMA

REVIEWER
JSL 08/01/24

PROJECT ID
110418

SHEET TOTAL
5 | 34