

ALIGNMENT AND PROFILE

THE WORK PROPOSED BY THIS PROJECT CONSISTS OF PLANING AND RESURFACING OF THE EXISTING PAVEMENT. THE ALIGNMENT OF THE EXISTING PAVEMENT WILL NOT BE CHANGED AND THE PROFILE OF THE PROPOSED SURFACE WILL BE SIMILAR TO THAT OF THE EXISTING PAVEMENT.

ITEM 253 - PAVEMENT REPAIR, AS PER PLAN

PAVEMENT REPAIR SHALL BE IN ACCORDANCE WITH ITEM 253 - PAVEMENT REPAIR, WITH THE FOLLOWING ADDITIONS:

THE AREAS OF ITEM 253, PAVEMENT REPAIR, AS PER PLAN ARE LOCATED THROUGHOUT THE PROJECT LIMITS.

THE ENGINEER SHALL DESIGNATE THE LOCATIONS AND LIMITS OF THE AREAS TO BE REPAIRED. THE AREAS SHALL BE ROUGHLY RECTANGULAR IN SHAPE AND SAWED OR MILLED TO A NEAT LINE. THE DEPTH OF REMOVAL, AS DIRECTED BY THE ENGINEER, SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT. THE ENTIRE AREA INCLUDING VERTICAL FACES SHALL BE COATED PRIOR TO PLACING THE REPLACEMENT MATERIAL PER 253.03. THE REPLACEMENT MATERIAL SHALL BE ITEM 301 - ASPHALT CONCRETE BASE, PG64-22.

THE ESTIMATED PAVEMENT REPAIR AREAS SHALL BE A MINIMUM OF 4 FEET IN WIDTH AND 4 INCHES IN DEPTH MEASURED FROM THE TOP OF THE MILLED SURFACE OR AS DIRECTED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 253 - PAVEMENT REPAIR, AS PER PLAN = 200 SQ YD

ITEM 252 - FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, AS PER PLAN
ITEM 252 - FULL DEPTH RIGID PAVEMENT SAWING

THESE PAVEMENT REPAIRS SHALL BE IN ACCORDANCE WITH ITEM 252 WITH THE FOLLOWING ADDITIONS:

THE ENGINEER SHALL DESIGNATE THE LOCATIONS AND LIMITS OF THE AREAS TO BE REPAIRED. THE AREAS SHALL BE ROUGHLY RECTANGULAR IN SHAPE AND SAWED OR MILLED TO A NEAT LINE. THE DEPTH OF REMOVAL, AS DIRECTED BY THE ENGINEER, SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT. THE ENTIRE AREA INCLUDING VERTICAL FACES SHALL BE COATED PRIOR TO PLACING THE REPLACEMENT MATERIAL PER 253.03. THE REPLACEMENT MATERIAL SHALL BE ITEM 301 - ASPHALT CONCRETE BASE (ESTIMATED DEPTH OF 12"), PG64-22 OVER A 4" THICKNESS OF ITEM 304 AGGREGATE BASE.

THE ESTIMATED PAVEMENT REPAIR AREAS SHALL BE A MINIMUM OF 6 FEET IN WIDTH OR AS DIRECTED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 252 - FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, AS PER PLAN = 100 SY

ITEM 252 - FULL DEPTH RIGID PAVEMENT SAWING = 300 FT

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE

AN ESTIMATED QUANTITY OF ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE HAS BEEN CARRIED TO THE GENERAL SUMMARY AND INCLUDED IN THE PLANS TO BE USED AS DIRECTED BY THE ENGINEER.

THE APPROXIMATE DEPTH OF PAVEMENT PLANING SHALL BE ONE AND THREE QUARTERS INCH (1 3/4") AS SHOWN ON THE TYPICAL SECTIONS.

THE APPROXIMATE WIDTH OF THE PAVEMENT PLANING WILL VARY FROM 23.0' TO 57.0'.

THE CONTRACTOR SHALL BEGIN PLACEMENT OF ITEM 442 - ASPHALT CONCRETE WITHIN 48 HOURS AFTER ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE IS COMPLETED ON A DAILY OPERATION.

THERE ARE FOURTEEN (14) INTERSECTIONS WITHIN THE LIMITS OF THE PAVEMENT PLANING.

THERE ARE APPROXIMATELY EIGHTY EIGHT (88) CASTINGS WITHIN THE PLANING AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL LABOR AND EQUIPMENT NECESSARY TO MAINTAIN TRAFFIC AROUND THE CASTINGS AND SHALL INCLUDE THE COST IN THE UNIT PRICE BID FOR: ITEM 614 - MAINTAINING TRAFFIC

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 611 - MANHOLE ADJUSTED TO GRADE = 5 EACH
ITEM 638 - VALVE BOX ADJUSTED TO GRADE = 3 EACH

ANY CASTINGS THAT REQUIRE ADJUSTING DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR THE ADJUSTMENTS OF CASTINGS SHALL BE INCLUDED IN ITEMS 611 AND 638. ANY NEW CASTINGS REQUIRED SHALL BE FURNISHED TO THE CONTRACTOR BY THE CITY OF CENTERVILLE. ADJUSTING DEVICES ON MANHOLE COVERS ARE PROHIBITED.

ITEM 254 - PATCHING PLANED SURFACE, AS PER PLAN

PAVEMENT AREAS DESIGNATED FOR PATCHING AFTER PAVEMENT PLANING OPERATION SHALL BE MILLED 2 INCHES (2") IN DEPTH AND PATCHED PER 254.04.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 254 - PATCHING PLANED SURFACE, AS PER PLAN = 100 SQ YD

PLANING/PAVING LIMITS

THE CITY OF CENTERVILLE SHALL ASSIST THE ODOT PROJECT ENGINEER IN MARKING THE PLANING/PAVING LIMITS OF THE INTERSECTING SIDE STREETS.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN, PG76-22M

THE MATERIAL USED FOR THE RESURFACING SHALL CONSIST OF ONE AND THREE QUARTERS INCH (1.75") OF ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, (448), AS PER PLAN. THE BINDER SHALL BE PG 76-22M.

ITEM SPECIAL - ASPHALT REJUVENATING AGENT

THE ASPHALT REJUVENATING AGENT SHALL BE COMPOSED OF A PETROLEUM RESIN OIL BASE UNIFORMLY EMULSIFIED WITH WATER. THE MATERIAL SHALL HAVE A SATISFACTORY RECORD OF SERVICE AS AN ASPHALT REJUVENATING AGENT AND IN-DEPTH SEALER; SUCH SATISFACTORY SERVICE BEING BASED ON THE CAPABILITY OF THE MATERIAL TO INCREASE THE DUCTILITY AND PENETRATION VALUE OF THE ASPHALT BINDER IN THE PAVEMENT SURFACE AND TO SEAL THE PAVEMENT IN DEPTH TO THE INTRUSION OF AIR AND WATER.

THE CONTRACTOR SHALL FURNISH THE MANUFACTURER'S CERTIFICATION THAT THE MATERIAL PROPOSED FOR USE IS IN COMPLIANCE WITH THE SPECIFICATION REQUIREMENTS AND INCLUDE COPIES OF SUPPORTING TESTS AND PREVIOUS USE DOCUMENTATION. THE PRODUCT "RECLAMITE", AS APPLIED BY PAVEMENT TECHNOLOGY, INC., 11260 BEREA ROAD, CLEVELAND, OHIO 44102 OR AN APPROVED EQUAL, IS ACCEPTABLE FOR THESE REQUIREMENTS.

THE ASPHALT REJUVENATING AGENT SHALL BE APPLIED BY DISTRIBUTOR AT THE TEMPERATURE RECOMMENDED BY THE MANUFACTURER AND AT THE PRESSURE REQUIRED FOR PROPER DISTRIBUTION. BEFORE SPREADING, THE ASPHALT REJUVENATING AGENT SHALL BE BLENDED WITH WATER AT THE STANDARD DILUTION RATIO OF 2:1. THE COMBINED MIXTURE OF ASPHALT REJUVENATING AGENT AND WATER SHALL BE SPREAD AT THE MAXIMUM RATE OF 0.08 GALLONS PER SQUARE YARD, AS APPROVED BY THE ENGINEER.

WHEN APPLICATION IS MADE UNDER TRAFFIC, A LIGHT COAT OF DRY, GRITTY SAND SHALL BE APPLIED TO THE SURFACE IN SUFFICIENT AMOUNT TO PROTECT THE TRAVELING PUBLIC. NO TREATED AREA SHOULD BE CONSIDERED COMPLETED UNTIL THAT AREA IS DETERMINED BY THE PROJECT ENGINEER TO BE SAFE FOR TRAVEL. NO MATERIAL SHALL BE APPLIED OPPOSITE THE TREATED AREA UNTIL THE TREATED AREA IS DEEMED SAFE FOR TRAVEL.

TESTING - PRIOR TO APPLICATION OF THE ASPHALT REJUVENATING AGENT TO THE ENTIRE PROJECT, THE CONTRACTOR SHALL APPLY TEST STRIPS OF SAID AGENT AS SPECIFIED ABOVE. THE CONTRACTOR SHALL APPLY THREE (3) TEST STRIPS ON AREAS OF PAVEMENT WHICH ARE REPRESENTATIVE SAMPLES OF THE PAVEMENT TO BE TREATED AS DIRECTED BY THE ENGINEER. THE TEST STRIPS SHALL BE TEN FEET (10') IN WIDTH AND APPROXIMATELY FIFTY FEET (50') IN LENGTH. THE APPLICATION RATE SHALL BE 0.05 GALLONS PER SQUARE YARD; 0.065 GALLONS PER SQUARE YARD; AND 0.08 GALLONS PER SQUARE YARD, RESPECTIVELY. THE ENGINEER MAY VARY THE APPLICATION RATES AS FIELD CONDITIONS MAY REQUIRE. NO WORK SHALL BE PERMITTED UNTIL THE ENGINEER AND THE PRODUCT TECHNICAL REPRESENTATIVE HAVE EVALUATED THE TEST AREAS AND DETERMINED THE REQUIRED RATE OF APPLICATION FOR THE PROJECT.

LOCATION: MOT-48-SLM 1.70 TO 3.25

TOTAL AREA: 53,265 SQ. YD.

ESTIMATED APPLICATION RATE: 0.065 GALLONS PER SQ. YD.

DILUTED AMOUNT: 3462 GALLONS

THE REJUVENATING AGENT SHOULD BE ATTEMPTED TO BE PLACED, IF POSSIBLE, PRIOR TO THE PLACEMENT OF THE FINAL PAVEMENT MARKINGS.

APPLICATION OF COVER AGGREGATE

COVER AGGREGATE SHALL ONLY BE USED AS DIRECTED BY THE ENGINEER IN THE EVENT THE ASPHALT REJUVENATING AGENT DOES NOT CURE IN A REASONABLE AMOUNT OF TIME (PER THE MANUFACTURER'S RECOMMENDATION, IF ADEQUATE PENETRATION DOES NOT OCCUR LEAVING EXCESS MATERIAL ON THE SURFACE OF THE PAVEMENT OR IF APPLICATION IS REQUIRED TO FACILITATE THE OPENING OF LANES TO TRAFFIC. IF SAND IS APPLIED, ANY ADDITIONAL COSTS FOR CLEAN UP INCLUDING BROOMING OR SWEEPING OF EXCESS AGGREGATE OFF THE PAVEMENT WILL BE INCIDENTAL TO THIS ITEM OF WORK.

METHOD OF MEASUREMENT

THE DEPARTMENT WILL MEASURE ASPHALT REJUVENATING AGENT BY THE NUMBER OF GALLONS OF UNDILUTED MATERIAL APPLIED.

BASIS OF PAYMENT

THE COST OF COVER AGGREGATE AND WATER TO DILUTE AN ASPHALT REJUVENATING AGENT IS INCIDENTAL TO ITEM SPECIAL: ASPHALT REJUVENATING AGENT.

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICES AS FOLLOWS:

ITEM SPECIAL 2308 GALLON ASPHALT REJUVENATING AGENT
ITEM SPECIAL LS TESTING

COORDINATION OF WORK:

MOT-48-1.70 (PID 102713)
MOT-725-18.18 (PID 102710)
CITY OF CENTERVILLE'S SPRING VALLEY RD TRAFFIC SIGNAL PROJECT

THE CONTRACTOR IS ADVISED THAT ADJACENT CONSTRUCTION PROJECTS WITHIN OR NEAR THE WORK LIMITS OF THIS PLAN MAY IMPACT THE PROJECT SCHEDULE, SEQUENCE OF CONSTRUCTION AND/OR TRAFFIC CONTROL BETWEEN ADJACENT ZONES. THE CONTRACTOR IS REQUIRED TO COORDINATE ALL MAINTENANCE OF TRAFFIC OPERATIONS WITH ADJACENT CONSTRUCTION PROJECTS. COOPERATION WITH THE ENGINEER, INSPECTORS AND ALL OTHER CONTRACTORS ON OR ADJACENT TO THE PROJECT IS REQUIRED PER CMS 105.08.

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