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### ITEM 622 - BARRIER, MISC: EXTENSION OF BARRIER HEIGHT

THIS ITEM SHALL CONSIST OF EXTENDING THE BARRIER HEIGHT ON PORTIONS OF THE BARRIER ALONG I.R. 71 TO ENCASE THE CURRENTLY EXPOSED ELECTRICAL CONDUIT. THE CONTRACTOR IS ADVISED THAT THE TOP WIDTH OF THE BARRIER WILL VARY. THE BARRIER HEIGHT EXTENSION SHALL BE PROVIDED FOR THE ENTIRE WIDTH OF THE BARRIER AND SHALL BE IN CONFORMANCE WITH THE DETAILS SHOWN IN THE PLANS.

PAYMENT FOR THIS WORK SHALL INCLUDE ALL LABOR, MATERIALS (INCLUDING REINFORCING STEEL AND DOWELS) AND INCIDENTALS REQUIRED TO PERFORM THE WORK, IN PLACE AND ACCEPTED.

### ITEM SPECIAL - CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION

ALL CONCRETE SHALL BE TESTED. ALL TESTING, INSPECTION AND QUALITY CONTROL FOR CONCRETE, NOT INCLUDED UNDER QC/QA PAY ITEMS. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE A CONCRETE TESTING CONSULTANT WITH PREVIOUS EXPERIENCE AND FAMILIARITY IN ODOT PROCEDURES, CONCRETE TESTING REQUIREMENTS AND CONCRETE TESTING DOCUMENTATION. AT LEAST 30 DAYS PRIOR TO CONCRETE PLACEMENT, SUBMIT TO THE ENGINEER FOR APPROVAL, THE PROPOSED CONCRETE TESTING CONSULTANT ALONG WITH THE RESUMES OF THE PROPOSED TESTING PERSONNEL.

TESTING CONCRETE FOR STRUCTURES AND PORTLAND CEMENT CONCRETE PAVEMENT SHALL BE PERFORMED AS OUTLINED IN CMS SPECIFICATIONS 455 RESPECTIVELY.

THROUGH THE CONTRACTOR, THE CONSULTANT SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONCRETE PLACED IS IN ACCORDANCE WITH THE SPECIFICATIONS. SUCH WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THE ODOT CONSTRUCTION INSPECTION MANUAL OF PROCEDURES FOR CONCRETE. THE CONCRETE CONSULTANT SHALL PROVIDE THE NECESSARY TRAINED TECHNICIAN(S), ALL EQUIPMENT, AND SHALL FURNISH THE PROJECT ENGINEER WITH TWO (2) COPIES OF ALL TEST RESULTS WITHIN 24 HOURS AFTER COMPLETION OF CONCRETE PLACEMENT.

THE TECHNICIAN SHALL BE ACI LEVEL 1 CERTIFIED AND WILL BE REQUIRED TO DEMONSTRATE HIS/HER COMPETENCE AND EXPERIENCE LEVELS TO THE ENGINEER PRIOR TO BEGINNING WORK. THE ENGINEER WILL ORDER THE CONTRACTOR TO REPLACE ANY TECHNICIAN THAT IS NOT VERSED IN THE REQUIRED TESTING PROCEDURE.

THE TECHNICIAN SHALL VERBALLY NOTIFY THE ODOT PROJECT ENGINEER OF ANY FAILING TEST AND SHALL SUBMIT FOLLOW-UP WRITTEN NOTIFICATION TO THE PROJECT ENGINEER OF REMEDIAL ACTION(S) TAKEN. TESTS SHALL BE TAKEN AS SPECIFIED WITHIN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, CONCRETE MANUAL OR APPROPRIATE SUPPLEMENTAL SPECIFICATION AS LISTED IN THE PROPOSAL GOVERNING THE PROJECT. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO MAKE IMMEDIATE CORRECTIONS OR ADJUSTMENTS TO THE CONCRETE MIX VIA DIRECT COMMUNICATION WITH THE CONCRETE SUPPLIER'S PLANT PERSONNEL TO MAINTAIN UNINTERRUPTED COMPLIANCE WITH THE SPECIFICATIONS UPON NOTIFICATION OF CONCRETE MIX NON-COMPLIANCE BY THE CONSULTANT TECHNICIAN. THE PROJECT ENGINEER MAY REQUIRE MORE FREQUENT TESTING AS CONDITIONS WARRANT.

### ITEM SPECIAL - CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION (CONT.)

UPON COMPLETION OF DAILY CONCRETE PLACEMENT(S). THE CONCRETE CONSULTANT SHALL PROVIDE THE PROJECT ENGINEER WITH DAILY TEST REPORTS, TE-45'S, INSPECTORS DAILY REPORT AND SUPPORTING DOCUMENTATION FOR EACH ITEM OF CONCRETE WORK PERFORMED SEPARATED BY MIX DESIGN. SUBSEQUENTLY, UPON COMPLETION OF AN ENTIRE CONCRETE SPECIFICATION ITEM, THE CONCRETE CONSULTANT SHALL ALSO PROVIDE THE PROJECT ENGINEER WITH TWO (2) COPIES OF AN ADDITIONAL INSPECTION REPORT BY A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO, WHICH CONTAINS THE TESTING-RESULTS SUMMARY FOR EACH ITEM BY CONTRACT REFERENCE NUMBER AND THE CONSULTANT'S CONCLUSIONS RELATIVE TO SPECIFICATION COMPLIANCE FOR ALL CONCRETE-TESTING WORK.

THE ODOT PROJECT ENGINEER RESERVES THE RIGHT TO MAKE UNANNOUNCED QUALITY-CONTROL TESTS TO VERIFY PROCEDURES USED AND RESULTS BEING OBTAINED BY THE CONTRACTOR.

THE CONCRETE TECHNICIAN SHALL WORK UNDER THE DIRECTION OF A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO, WHO WILL MONITOR THE CONCRETE TEST RESULTS. THE FINAL INSPECTION REPORTS FOR EACH COMPLETED ITEM SHALL BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO, CERTIFYING THAT ALL CONCRETE TESTS PROVIDED BY THE CONTRACTOR MET APPLICABLE CONTRACT REQUIREMENTS. A FINAL REPORT ISSUED BY THE CONSULTING FIRM SHALL CONTAIN A CERTIFIED STATEMENT OF COMPLIANCE WITH ODOT SPECIFICATIONS AND ANY OTHER CONCLUSIONS REGARDING THE CONCRETE MATERIALS INCORPORATED INTO THE PROJECT. SUCH STATEMENT SHALL BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO. AND, THE CONCRETE CONSULTANT SHALL BE REQUIRED TO ATTEND MONTHLY PROGRESS MEETINGS AS REQUIRED BY THE PROJECT ENGINEER.

ADDITIONALLY, THE CONTRACTOR SHALL BE REQUIRED TO KEEP A POSTED LIST OF BEAM AND CYLINDER IDENTIFICATION NUMBERS FOR THE PURPOSE OF IDENTIFYING THE CORRESPONDING PLACEMENT LOCATION AND CONCRETE SPECIFICATION ITEM.

PAYMENT SHALL BE BID AS LUMP SUM FOR ITEM SPECIAL MISC.: CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION.

### THE ITEM WILL BE PAID FOR AS FOLLOWS:

UPON APPROVAL OF CONSULTANT . . . . . . . . . 20% PROGRESSIVE EQUIVALENT PAYMENTS . . . . . . 50% UPON SUBMISSION OF FINAL REPORT ..... 30%.

THE TECHNICIAN SHALL HAVE THE FULL EFFECT AND AUTHORITY OF AN ODOT PROJECT INSPECTOR IN DETERMINING ACCEPTABILITY OF MATERIAL AND CONCRETE PLACEMENT PRACTICES.

# CITY OF CINCINNATI STANDARD CONSTRUCTION DRAWINGS

THIS PROJECT REFERENCES CITY OF CINCINNATI STANDARD CONSTRUCTION DRAWINGS AND SPECIFICATIONS IN ADDITION TO ODOT STANDARD CONSTRUCTION DRAWINGS AND SPECIFICATIONS. THESE ARE LISTED UNDER "CINCINNATI DOTE STANDARD DRAWINGS" ON THE TITLE SHEET. THEY CAN BE FOUND AT THE LINKS BELOW.

https://www.cincinnati-oh.gov/dote/permits-licenses/dote-resourcepage/traffic-safety-standards/traffic-engineering-standard-drawings/

AND

https://www.cincinnati-oh.gov/dote/permits-licenses/dote-resourcepage/odot-specifications-and-certification/

### ITEM 253 - PAVEMENT REPAIR, AS PER PLAN

THIS ITEM SHALL CONSIST OF FULLY REMOVING AND REPLACING THE EXISTING PAVEMENT OF THE DRIVEWAY AT STA. 7+25 E. COURT ST., AS DIRECTED BY THE ENGINEER. THE WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF ITEM 253 AND WITH THE BUILDUP DETAIL SHOWN BELOW. DEPTHS SHOWN ARE APPROXIMATE AND THE ACTUAL DEPTH OF REPLACEMENT SHALL MATCH THE THICKNESS OF THE EXISTING SURROUNDING PAVEMENT.

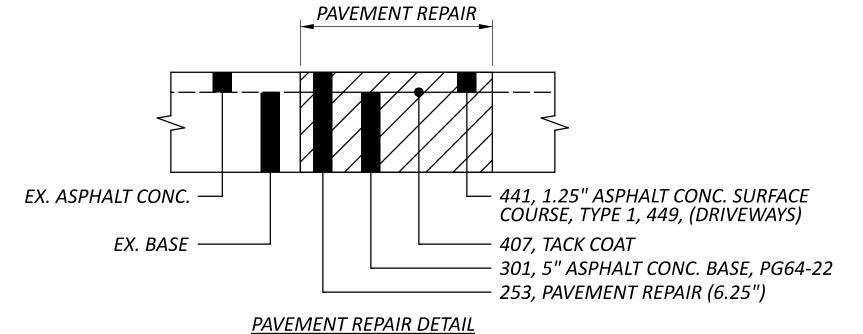
PAYMENT FOR THIS WORK SHALL INCLUDE ALL LABOR. MATERIALS AND INCIDENTALS REQUIRED TO PERFORM THE WORK, IN PLACE AND ACCEPTED.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE PROJECT ENGINEER FOR THE REPAIR OF THE ACCESS RAMP:

ITEM 253, PAVEMENT REPAIR, AS PER PLAN

316 SY

179 SY



## REPLACEMENT, AS PER PLAN

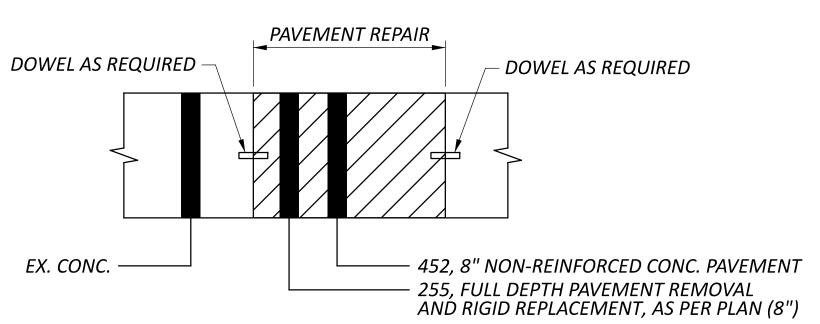
THIS ITEM SHALL CONSIST OF FULLY REMOVING AND REPLACING PORTIONS OF THE EXISTING PARKING LOT AT THE END OF THE DRIVEWAY AT STA. 7+25 E. COURT ST., AS DIRECTED BY THE ENGINEER. THE WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS AND SPECIFICATIONS OF ITEM 255, THE BUILDUP DETAIL SHOWN BELOW, AND STANDARD CONSTRUCTION DRAWINGS BP-2.1 AND BP-2.2.

ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID

PAYMENT FOR THIS WORK SHALL INCLUDE ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO PERFORM THE WORK, IN PLACE AND **ACCEPTED** 

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE PROJECT ENGINEER FOR THE REPAIR OF THE PARKING LOT:

ITEM 255, FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 2, CLASS MS, AS PER PLAN



FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT DETAIL



SHEET NUM. PART. GRAND ITEM SEE SHEET **DESCRIPTION** UNIT TOTAL P.68 EXT P.49 P.53 P.41 P.51 P.52 Office Calcs 01/IMS/10 02/S>2/40 **PAVEMENT** 316 316 253 P.9 *3* 255 179 FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 2, CLASS QC MS, AS PER PLAN ASPHALT CONCRETE BASE, PG64-22/(449) 56000 15 19 AGGREGATE BASE CY 117 304 20000 117 16 16 407 GAL TACK COAT 10000 16 50000 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449) 442 22100 13 13 442 22400 13 CY ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449) 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P 33 33 452 12010 33 89 89 452 15030 SY 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS 89 318 609 318 16000 FT CURB, TYPE 2-B 115 609 24000 115 FT CURB, TYPE 4-A CURB, TYPE 6 60 609 26000 60 FT LIGHTING CONNECTION, FUSED PULL APART 625 00450 625 00460 EACH CONNECTION, UNFUSED PULL APART SUMMARY 366 366 625 366 00480 EACH CONNECTION, UNFUSED PERMANENT 625 P.53 10481 LIGHT POLE, AESTHETIC, AS PER PLAN, SHEPHERD'S CROOK P.53 625 14501 EACH LIGHT POLE FOUNDATION, AS PER PLAN 18,390 18,390 18,390 625 22990 FT NO. 6 AWG 600 VOLT DISTRIBUTION CABLE 3,660 3,660 625 3,660 23306 NO. 10 AWG 600 VOLT DISTRIBUTION CABLE ENERAL 45 45 625 23400 45 FT NO. 10 AWG POLE AND BRACKET CABLE 45 45 625 23410 45 NO. 12 AWG POLE AND BRACKET CABLE 1,220 CONDUIT, 3/4", 725.04, AS PER PLAN 1,220 1,220 625 FT P.53 25001 P.53 830 830 625 830 CONDUIT, 2", 725.04, AS PER PLAN 25401 1,265 1,265 625 25408 1,265 FT CONDUIT, 2", 725.051 27551 P.53 625 LUMINAIRE, DECORATIVE, AS PER PLAN, TYPE 3, 36 WATT, LED, 3000K 122 122 625 EACH P.53 27600 122 LUMINAIRE, MISC.: BRIDGE LIGHT 45 45 625 29000 45 FT 122 625 122 JUNCTION BOX, AS PER PLAN P.53 29901 PULL BOX, 725.08, 18" 625 30700 EACH 625 31600 P.53 PULL BOX, MISC.: TYPE B 32000 EACH 625 GROUND ROD 75800 DISCONNECT CIRCUIT 625 EACH POWER SERVICE, AS PER PLAN 625 34001 632 83600 P.53 EACH STRAIN POLE, MISC.: FOUNDATION, FDN-4 **ELECTRICAL** CONDUIT, 2", 725.04 10 625 10 25400 10 FT 625 33000 STRUCTURE GROUNDING SYSTEM 625 98000 LIGHTING, MISC.: MEDIAN LIGHT POLE ADJUSTMENT P.8 TRAFFIC SURVEILLANCE 29010 TRENCH, 30" DEEP 10 625 10 FT 31510 625 EACH PULL BOX REMOVED 46 46 625 46 36010 UNDERGROUND WARNING/MARKING TAPE P.52 LS LS 804 98200 LS FIBER OPTIC CABLE, MISC.: ITS INSTALLATION 809 02000 32" ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY ESIGN AGENCY 809 46 46 24000 46 CONDUIT, MULTICELL, JACKED OR DRILLED, 4" ARCADIS
OUTH MAIN STREET SUITE 200 TRAFFIC CONTROL 621 00100 EACH 621 54000 EACH RAISED PAVEMENT MARKER REMOVED 00102 BARRIER REFLECTOR, TYPE 1, BIDIRECTIONAL 626 5 EACH 626 00110 EACH BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL ESIGNER 630 94 03100 GROUND MOUNTED SUPPORT, NO. 3 POST 94 AZF REVIEWER 630 08600 SIGN POST REFLECTOR SMG 10/02/24 630 79610 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED ROJECT ID 51 51 630 80100 SIGN, FLAT SHEET 51 SF 102790 84001 630 CONCRETE BARRIER MEDIAN OVERHEAD SIGN SUPPORT FOUNDATION, TYPE TC-21.40, AS PER PLAN P.38 160 RIGID OVERHEAD SIGN SUPPORT FOUNDATION 630 84510 EACH