

UTILITIES

THERE ARE NO EXISTING UTILITY FACILITIES SHOWN ON THIS PLAN, NOR WILL ANY EXISTING UTILITY FACILITIES BE RELOCATED AHEAD OF THIS PROJECT. HOWEVER, THE NATURE OF THE WORK REQUIRED BY THIS PROJECT MAY HAVE THE POTENTIAL TO AFFECT UTILITIES THAT MAY EXIST WITHIN OR ADJACENT TO THE WORK AREA. IT IS THE RESPONSIBILITY OF THE PROJECT CONTRACTOR TO IDENTIFY POTENTIAL UTILITY CONFLICTS, BY BOTH VISUAL INSPECTION AND BY CONTACTING THE OHIO UTILITIES PROTECTION SERVICE (OHIO 811) FOR FIELD MARKINGS OF THE UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE UTILITY OWNERS TO RESOLVE ALL UTILITY CONFLICTS PRIOR TO CONSTRUCTION OR, WITH THE APPROVAL OF THE PROJECT ENGINEER, THE CONTRACTOR SHALL ADJUST THE PROJECT CONSTRUCTION ACCORDINGLY, SO AS TO AVOID DAMAGE TO THE EXISTING UTILITY FACILITIES.

THE UTILITY CONTACT INFORMATION FOR THE PROJECT CAN BE OBTAINED THROUGH THE ODOT DISTRICT 9 UTILITY COORDINATOR AT 740-774-9075.

WINDOW CONTRACT TABLE

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE	DISINCENTIVE (\$ PER DAY)
ALL WORK ON PROJECT	60	\$1,500

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 AS SHOWN ON THE TYPICAL SECTIONS.

DISPOSAL OF ASPHALT GRINDINGS

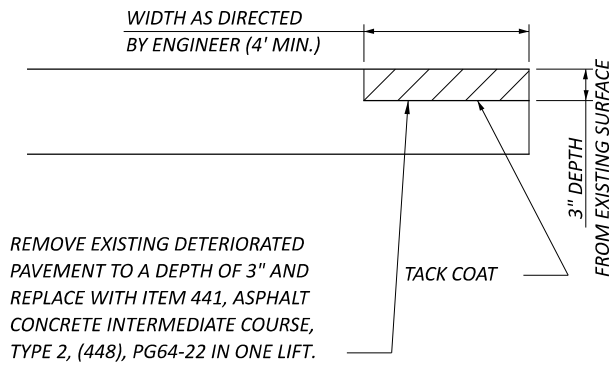
THE REMAINDER OF THE ASPHALT GRINDINGS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

RPM

IN ADDITION TO CMS 621.03, RPMs SHALL NOT BE INSTALLED ON BRIDGES OR APPROACH SLABS THAT HAVE A CONCRETE SURFACE. INSTALL RPMs IN ASPHALT CONCRETE BEFORE AND AFTER THE SUPERSTRUCTURE. RPM'S LOCATED IN EXISTING CONCRETE BRIDGE DECKS OR APPROACH SLABS SHALL BE LEFT IN PLACE.

INSTALL NEW RPMs IN ACCORDANCE WITH ODOT STANDARD DRAWINGS TC-65.10 AND TC-65.11.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441)



REMOVE EXISTING DETERIORATED PAVEMENT TO A DEPTH OF 3" AND REPLACE WITH ITEM 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22 IN ONE LIFT.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441),AS PER PLAN 01/STR/05 2,000 SQ. YDS.

ITEM 254- PATCHING PLANED SURFACE

THIS ITEM SHALL BE IN ACCORDANCE WITH SECTION 254 OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 254 - PATCHING PLANED SURFACE 01/STR/05 14,443 SQ. YD.

SHOULDER WORK

THE PURPOSE OF THIS WORK IS TO CREATE PROPER ROADWAY DRAINAGE BY REMOVING HIGH BERM AND TO ELIMINATE DROP-OFFS BY PLACING COMPACTED AGGREGATE IN LOW AREAS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR WORK ALONG S.R. 772 AND HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR AREAS TO BE DESIGNATED BY THE ENGINEER.

ITEM 209 - LINEAR GRADING 01/STR/05 1.00 MILE

ITEM 617 - COMPACTED AGGREGATE 01/STR/05 196 CY

PLACEMENT OF PAVEMENT

UNLESS AN ALTERNATE SEQUENCE IS APPROVED BY THE ENGINEER, COMPLETE THE MILL AND FILL OPERATIONS IN A LANE BEFORE MILLING THE ADJACENT LANE TO ELIMINATE UNCONFINED LONGITUDINAL JOINTS WHEREVER POSSIBLE.

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, AS PER PLAN

FOLLOW THE SPECIFICATIONS OF ITEM 441 EXCEPT FOR THE REQUIREMENTS LISTED BELOW:

FOLLOW CMS 403, EXCEPT AS FOLLOWS:

- OFFSET THE AC GAUGE FOR EACH JMF FOR THE PROJECT PRIOR TO THE PROJECT'S START USING 403.06.A AND THE MODIFIED SUPPLEMENT 1043 PROCEDURE LISTED BELOW.
- DURING S-1043.07 PROCESS, A RAP SAMPLE OBTAINED FROM THE JMF-DESIGNATED RAP PILE WILL BE EXTRACTED IN THE ASPHALT LEVEL 3 LAB TO VERIFY THE RAP AC %. THE RAP AC % WILL BE WITHIN 0.3 % OF THE AVERAGE RAP AC % FROM THE JMF. IF RAP AC % IS OUTSIDE OF THE 0.3 %, THE VERIFICATION PAN PROCESS WILL STOP, AND DISTRICT TESTING WILL ALLOW ONE OPPORTUNITY TO REWORK THE RAP PILE AT THE MIX PLANT AND RESAMPLE. RESAMPLING REQUIRES DISTRICT TESTING TO BE PRESENT. IF THE RESAMPLE IS STILL OUTSIDE OF THE 0.3 %, THE JMF AND ALL JMF'S USING THIS PILE WILL BE RESCINDED AND NEED TO BE REDESIGNED.

FOLLOW CMS 403.06 EXCEPT AS FOLLOWS:

- ENSURE ASPHALT BINDER CONTENT DOES NOT EXCEED TABLE 403.06.G-1. TOTAL AC % ADJUSTMENTS TO THE MIX PLANT CONTROL SETTINGS MUST BE SUBMITTED TO AND APPROVED BY DISTRICT TESTING PRIOR TO MAKING THE ADJUSTMENT. THE ADJUSTMENT CANNOT EXCEED +/- 0.2 % FROM THE JMF DESIGN AC %. DO NOT LOWER VIRGIN BINDER CONTENT OR INCREASE RAP PERCENT. ENSURE PLANT TICKET SHOW THE ADJUSTMENT AND IS SET TO THE ADJUSTED TOTAL AC % AT ALL TIMES AFTERWARDS.
- RECORD THE DAILY VERIFICATION PAN RESULTS IN A SEPARATE WORKSHEET AND MAKE SURE IT IS POSTED IN THE PLANT FACILITY AND AVAILABLE TO THE MONITORS. INCLUDE THE DATE RAN, VERIFICATION PAN RESULT, AND INITIALS OF WHO RAN IT. ENSURE A PRINTOUT OF THE DAILY VERIFICATION PAN IS ALSO INCLUDED WITH THE TE-199.

FOLLOW SUPPLEMENT 1043 FOR AC GAUGE OFFSET, EXCEPT AS MODIFIED BELOW:

FOLLOW 1043.07, EXCEPT AS FOLLOWS:

- NOTIFY DISTRICT TESTING A MINIMUM OF ONE WEEK PRIOR TO MAKING CALIBRATION AND VERIFICATION PANS.
- DISTRICT TESTING WILL WITNESS A SOLVENT EXTRACTION FROM A SAMPLE FROM THE RAP PILE THAT IS TO BE USED IN THE JMF TO VERIFY THE RAP AC % AND GRADATION. RAP AC % WILL BE WITHIN 0.3 % OF RAP AC % AND THE PASSING THE NO. 4 SIEVE WILL BE WITHIN 4 % OF THE NO. 4 SIEVE BASED ON THE ESTABLISHED RAP PILE USED IN THE JMF. IF OUTSIDE OF 0.3 %, DO NOT PROCEED AND THE JMF WILL NEED TO BE REDESIGNED.
- DISTRICT TESTING WILL WITNESS THE VERIFICATION PANS BEING BLENDED, MIXED, AND COMPACTED.
- MAKE A MINIMUM OF THREE VERIFICATION PANS FOR THE JMF THAT ARE AT THE JMF ASPHALT BINDER CONTENT. MAKE ONE ADDITIONAL PAN FOR EACH ADDITIONAL DISTRICT THE JMF WILL BE USED IN.
- IN ADDITION, TURN POSSESSION OVER OF THE CALIBRATION AC GAUGE PANS USED TO DETERMINE THE FIT COEFFICIENT TO DISTRICT TESTING.

FOLLOW SUPPLEMENT 1043 FOR AC GAUGE OFFSET, EXCEPT AS MODIFIED BELOW (CONT.):

REPLACE 1043.08, FOR AC CONTENT PAY ACCEPTANCE, WITH THE FOLLOWING:

CALCULATE AN AC GAUGE OFFSET AMOUNT FOR EACH JMF AND MIX PLANT IN ACCORDANCE WITH THE FOLLOWING PROCEDURE PRIOR TO START OF ANY PRODUCTION FOR THE JMF. NOTIFY DISTRICT TESTING 24 HOURS PRIOR TO OFFSETTING GAUGE.

1. ENSURE PRINTER IS ON AND PLACE THE FIRST VERIFICATION PAN IN THE AC GAUGE AND RUN.
2. AFTER THE 16 MINUTE TEST, TAKE THE VERIFICATION PAN OUT AND TURN 180 DEGREES AND PLACE BACK IN AC GAUGE AND RUN.
3. REPEAT STEPS 1 AND 2 WITH SECOND AND THIRD VERIFICATION PANS.
4. FOR EACH RUN, TAKE THE JMF ASPHALT BINDER CONTENT MINUS THE AC GAUGE AC % TO OBTAIN THE OFFSET FOR THAT RUN.
5. AVERAGE ALL OFFSETS FOR A FINAL OFFSET.
6. RETAIN ALL OF THE VERIFICATION PANS. AFTER THE FINAL OFFSET IS DETERMINED, DISTRICT TESTING WILL CHOOSE TWO OF THE VERIFICATION PANS AND OFFSET THEIR AC GAUGE.
7. DISTRICT TESTING WILL USE THE TWO VERIFICATION PANS TO OFFSET THEIR AC GAUGE. DISTRICT TESTING MAY OPT TO TAKE ALL THREE PANS AND OFFSET THEIR AC GAUGE.
8. STORE THE VERIFICATION PAN IN THE PLANT LAB AND IN A MANNER IN WHICH TO AVOID HUMIDITY, MOISTURE, AND ALL OTHER SOURCES WHICH MAY POTENTIALLY CONTAMINATE THE SAMPLE IN THE PAN.

BEFORE THE BEGINNING OF A PRODUCTION DAY, RUN THE VERIFICATION PAN IN THE AC GAUGE AND ENSURE THE OFFSET AC GAUGE AMOUNT IS WITHIN 0.14 % OF THE JMF ASPHALT BINDER CONTENT. NOTIFY THE DEPARTMENT IF THE AC GAUGE EXCEEDS 0.14 % OF THE JMF. IF THE VERIFICATION PAN EXCEEDS ON THE HIGH SIDE AND IT IS BELIEVED TO BE DUE TO EXCESS MOISTURE FROM HUMIDITY, THE DEPARTMENT MAY ALLOW THE VERIFICATION PAN TO BE PLACED IN AN OVEN AT 230 DEG. F (110 DEG. C) FOR ONE HOUR AND RERAN.

DURING THE START OF PRODUCTION FOR THE JMF, SOLVENT EXTRACT THE FIRST TWO QA SAMPLES (QC, VA, AND SUBLOT) AND COMPARE TO THE OFFSET AC GAUGE. ENSURE SOLVENT EXTRACTION IS WITHIN 0.3 % OF OFFSET AC GAUGE. IF MORE THAN 0.3 % OFF, IMMEDIATELY RESAMPLE AND RUN AC GAUGE AND SOLVENT EXTRACT IMMEDIATELY. IF TWO CONSECUTIVE SAMPLES ARE MORE THAN 0.3 % OFF, IMMEDIATELY STOP PRODUCTION, CONTACT MONITORING TEAM, AND INVESTIGATE THE REASON FOR THE PROBLEM. ONCE TWO CONSECUTIVE QA SAMPLES ARE WITHIN 0.3 % OF OFFSET AC GAUGE, THE FINAL GAUGE IS CONFIRMED.

AFTER CONFIRMING THE AC GAUGE OFFSET AMOUNT PROCEED WITH DETERMING AC CONTENTS OF PRODUCTION SAMPLES BY THE AC GAUGE ACCORDING TO 1043.09.

ONLY DETERMINE ONE AC GAUGE OFFSET AMOUNT PER JMF. IF MORE THAN 30 DAYS HAS LAPSED SINCE THE JMF WAS LAST TESTED, RE-DO THE OFFSET PROCEDURE ABOVE WITH TWO VERIFACATION PANS (ONE FROM THE CONTRACTOR AND ONE FROM THE DISTRICT). IF THE THIRD PAN IS STILL AVAILABLE, USE ALL THREE PANS. IF AN AC GAUGE OFFSET AMOUNT IS LATER DETERMINED, BY AN INVESTIGATION OF BOTH THE CONTRACTOR AND THE DISTRICT, TO BE INCORRECT, RE-DO THE OFFSET PROCEDURE.

DESIGN AGENCY



DESIGNER

JRH

REVIEWER

EMB 12-10-24

PROJECT ID

118761

SHEET

P.3

TOTAL

P.8