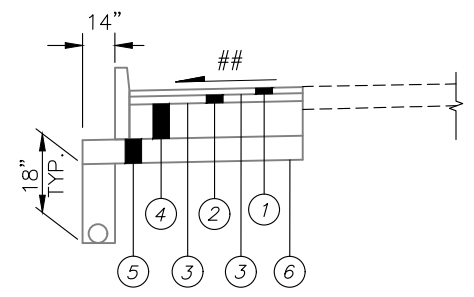
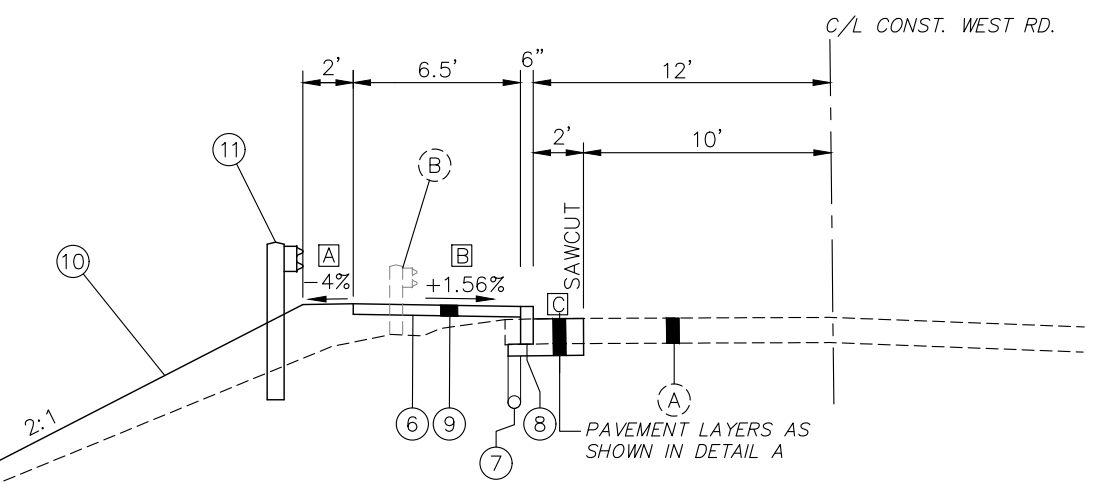


TYPICAL 1
STA. 1+60 - STA. 2+39
STA. 16+49 - STA. 21+00



PAVEMENT LAYER DETAIL A
N.T.S.

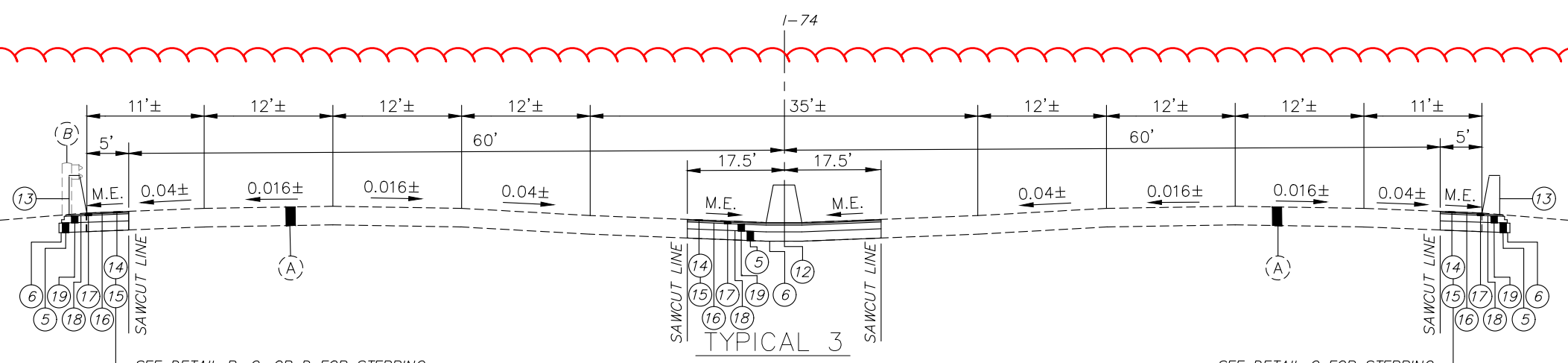


TYPICAL 2
STA. 2+39 - STA. 7+89
BRIDGE LIMITS: STA. 7+89 - STA. 10+39
STA. 10+39 - STA. 16+49

- [A] +4.0% FROM STA. 3+50 TO 7+66
- [B] -1.56% FROM STA. 13+75 TO 16+49
- [C] MATCH EXISTING LANE CROSS SLOPE

LEGEND

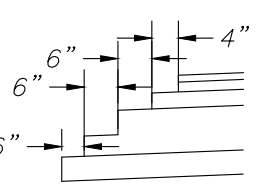
- (A) EX. PAVEMENT (DEPTH UNKNOWN)
- (B) EX. GUARDRAIL (TO BE REMOVED)
- (7) ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG64-22
- (2) ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (449)
- (3) ITEM 407 - NON-TRACKING TACK COAT
- (4) ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22 (449)
- (5) ITEM 304 - 6" AGGREGATE BASE
- (6) ITEM 204 - SUBGRADE COMPACTION
- (7) ITEM 605 - 6" BASE PIPE UNDERDRAIN
- (8) ITEM 609 - CURB, TYPE 6
- (9) ITEM 608 - 5" CONCRETE WALK
- (10) ITEM 659 - SEEDING AND MULCHING
- (11) ITEM 606 - GUARDRAIL, TYPE MGS WITH LONG POSTS
- (12) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B
- (13) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
- (14) ITEM 442 - 1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)
- (15) ITEM 442 - 2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)



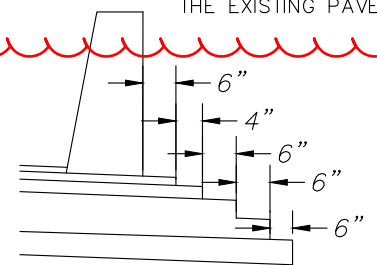
TYPICAL 3

WITHIN 144' OF WEST RD BRIDGE
THE EXISTING PAVEMENT EDGE SHALL BE SAWCUT TO LOCATE A SOUND PAVEMENT EDGE

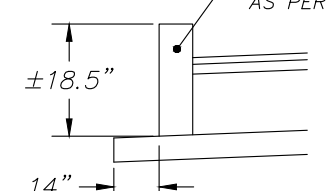
M.E. = MATCH EXISTING



DETAIL B
N.T.S.



DETAIL C
N.T.S.



DETAIL D
N.T.S.

- (16) ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE (.06 GAL/SY)
- (17) ITEM 301 - 3" ASPHALT CONCRETE BASE, PG 64-22
- (18) ITEM 407 - TACK COAT (.075 GAL/SY)
- (19) ITEM 302 - 12" ASPHALT CONCRETE BASE, PG64-22 (TWO 6" LIFTS)

DISINCENTIVE CONTRACT TABLE

DESCRIPTION OR LOCATION OF CRITICAL WORK	COMPLETION OF WORK	TIME PERIOD	DISINCENTIVE \$ PER TIME PERIOD
ALL WORK AS OUTLINED IN THE CONTRACT EXCEPT PAINTING OF NEW BEAMS	11-1-23	DAY	\$1,000
PAINTING OF NEW BEAMS	7-1-24	DAY	PER CMS 108.07

ASBESTOS ABATEMENT

AN ASBESTOS SURVEY FOR BRIDGE SFN 3107957, SCHEDULED FOR DEMOLITION/RENOVATION WORK WAS CONDUCTED BY A LICENSED ASBESTOS HAZARD EVALUATION SPECIALIST ON 9-27-2021. A COPY OF THE ASBESTOS SURVEY REPORT FOR THE STRUCTURE IS INCLUDED IN THE PLAN PACKAGE FOR THIS PROJECT. THE ASBESTOS SURVEY REPORT DID NOT IDENTIFY THE PRESENCE OF ANY ASBESTOS CONTAINING MATERIALS. (THE REMOVAL AND DISPOSAL OF THE ASBESTOS CONTAINING MATERIAL MUST COMPLY WITH THE OHIO ADMINISTRATIVE CODE (OAC) REGULATIONS AND THE NATIONAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS (NESHAP) STANDARD FOR ASBESTOS). ALTHOUGH ASBESTOS ABATEMENT IS NOT REQUIRED, THE HIGHWAY OR DEMOLITION CONTRACTOR IS REQUIRED TO FILE AN OEPA NOTIFICATION OF DEMOLITION OR REMOVAL FORM. NOTIFICATION MUST BE SUBMITTED AT LEAST TEN (10) WORKING DAYS BEFORE OPERATIONS BEGIN FOR ANY PROJECT CONTAINING ASBESTOS OR ANY DEMOLITION PROJECT, WHETHER ASBESTOS IS PRESENT OR NOT. THE LINK FOR THE REPORTING CAN BE FOUND HERE:
[HTTP://EPA.OHIO.GOV/DAPC/ATU/ASBESTOS](http://EPA.OHIO.GOV/DAPC/ATU/ASBESTOS)

ADA WAIVER

AN APPROVED ADA DESIGN WAIVER IS REQUIRED ON THIS PROJECT. THE FOLLOWING FEATURES LISTED BELOW CANNOT FEASIBLY BE CONSTRUCTED TO MEET ADA GUIDELINES.

ADA DESIGN WAIVER

ADA FEATURE	APPROVAL DATE	SHEET NUMBER
RMP0008814 (HAM-23-1.825)	06/15/2022	43

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF _ FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND THE ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO FILE A NEW FAA FORM 7460-1, ADVISING THE FAA THAT AERONAUTICAL STUDY NUMBER IS BEING RESUBMITTED AND THAT AN ALTERATION TO THE ORIGINAL SUBMISSION IS REQUESTED.

NOTIFY THE ODOT OFFICE OF AVIATION WHEN RESUBMITTING FORM 7460-1. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FAA APPROVAL MAY TAKE UP TO 45 DAYS. ALL SUBMISSIONS SHALL BE DIRECTED TO THESE OFFICES:

FEDERAL AVIATION ADMINISTRATION SOUTHWEST REGIONAL OFFICE OBSTRUCTION EVALUATION GROUP 10101 HILLWOOD PARKWAY FORT WORTH, TX 76177 FAX: (817) 222-5920 HTTP://CEAAA.FAA.GOV	OHIO DEPARTMENT OF TRANSPORTATION OFFICE OF AVIATION 2829 WEST DUBLIN-GRANVILLE ROAD COLUMBUS, OH 43235
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CONCRETE TESTING (CONT.)

UPON COMPLETION OF DAILY CONCRETE PLACEMENT(S), THE CONCRETE CONSULTANT SHALL PROVIDE THE PROJECT ENGINEER WITH DAILY TEST REPORTS, TE-45'S, INSPECTOR'S 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 FULL EFFECT AND AUTHORITY OF AN ODOT PROJECT INSPECTOR IN DETERMINING ACCEPTABILITY OF MATERIAL AND CONCRETE PLACEMENT PRACTICES

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

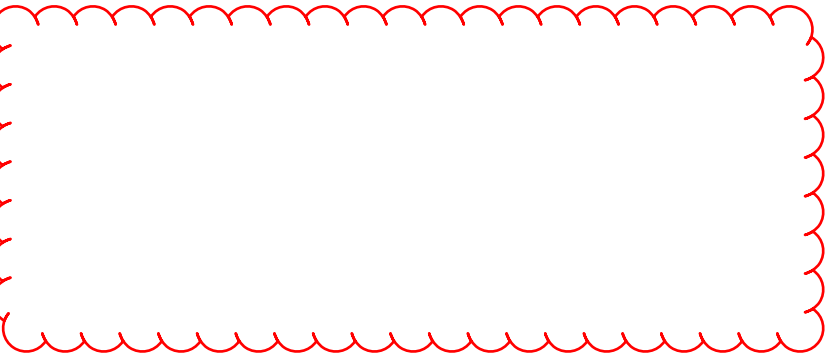
690, SPECIAL MISC.:CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION **LUMP SUM**

EXISTING PAVEMENT SAWCUT LOCATIONS

THE EXISTING PAVEMENT SHALL BE SAWCUT PER THE LOCATIONS SHOWN IN THE TYPICAL SECTIONS OR AS OTHERWISE APPROVED BY THE ENGINEER. THE INTENTION IS FOR THE SAWCUTS TO BE IN SOUND FULL-DEPTH PAVEMENT TO PROVIDE A CLEAN AND SOLID JOINT WITH THE PROPOSED WIDENING AREAS. IF SAWCUTS LIMITS ARE FIELD ADJUSTED TO MEET THE SOUND FULL-DEPTH PAVEMENT EDGE REQUIREMENT, THEY SHALL NOT BE LOCATED WITHIN THE LONGITUDINAL WHEEL PATH OF A LANE AS DEFINED BY THE ODOT PAVEMENT DESIGN MANUAL SECTION 504.7.4.

ITEM 630 REMOVAL OF GROUND MOUNTED MAJOR SIGN AND REERECTION, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS SET FORTH IN ODOT CMS 630.12, THIS ITEM SHALL CONSIST OF THE REMOVAL AND REERECTION OF THE EXISTING WEIGH STATION ELECTRONIC SIGN AND EXISTING EXTRUSHEET SIGN. THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND FURNISHING NECESSARY TO REMOVE AND REERECT THE EXISTING ELECTRONIC SIGN ON THE NEW STRUCTURAL BEAM SIGN SUPPORTS IN A MANNER THAT SECURELY FASHIONS THE UNIT TO THE SUPPORTS, AS APPROVED BY THE ENGINEER.



ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN

WHERE DESIGNATED, EXISTING ANCHOR ASSEMBLIES INCLUDING ALL POSTS AND HARDWARE SHALL BE REMOVED. THIS ITEM SHALL ALSO INCLUDE THE REMOVAL OF THE ENTIRE CONCRETE ANCHOR AND CONCRETE ENCASEMENT. ALL HOLES LEFT AFTER REMOVAL OF ASSEMBLIES AND POSTS SHALL BE FILLED WITH GRANULAR MATERIAL AS DIRECTED BY THE ENGINEER. PAYMENT SHALL INCLUDE ALL NECESSARY LABOR AND EQUIPMENT REQUIRED TO PERFORM THE WORK AS INDICATED ABOVE. PAYMENT SHALL BE AT THE UNIT BID PRICE.

CONCRETE TESTING

ITEM SPECIAL MISC.: 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 SPECIFICATION 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 TECHNICIANS 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 A 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.

