GENERAL NOTES:

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.

THE EXISTING STRUCTURE CONSISTING OF A 3 SPAN CONTINUOUS REINFORCED CONCRETE SLAB SUPERSTRUCTURE WITH SPANS OF 24'-0", 22'-0" AND 24'-0"; CLEAR ROADWAY WIDTH OF 28'-0"; AND REINFORCED CONCRETE END BENTS AND BENTS SUPPORTED ON PRECAST PRESTRESSED CONCRETE PILES; AND HAVING PRECAST CONCRETE BULKHEADS; AND LOCATED 93 FT WEST OF THE PROPOSED STRUCTURE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY POSTED FOR LOAD LIMIT. SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORATE DURING CONSTRUCTION OF THE PROPOSED BRIDGE, THE LOAD LIMIT MAY BE REDUCED AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT.

RAILROAD TRACKS AND OTHER RAILROAD PROPERTY MUST BE PROTECTED FROM DAMAGE DURING REMOVAL OF THE EXISTING STRUCTURE. THE CONTRACTOR SHALL SUBMIT A DETAILED PROCEDURE FOR DEMOLITION OF THE EXISTING STRUCTURE IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED BY NORFOLK SOUTHERN'S GUIDELINES FOR DESIGN OF HIGHWAY SEPARATION STRUCTURES OVER RAILROAD (OVERHEAD GRADE SEPARATION). DEMOLITION PLANS AND PROCEDURE SHALL BE SUBMITTED TO THE CHIEF ENGINEER BRIDGES & STRUCTURES FOR REVIEW AND APPROVAL PRIOR TO BEGINNING DEMOLITION.

THE SUBSTRUCTURE TYPE INDICATED FOR THE EXISTING BRIDGE IS FROM THE BEST INFORMATION AVAILABLE. SINCE THIS INFORMATION IS IDENTIFIED FOR THE CONVENIENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE IDENTIFIED AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

THE RAILROAD TRACK TOP OF RAIL ELEVATIONS SHOWN ON THE PLANS ARE FROM THE BEST INFORMATION AVAILABLE. PRIOR TO BEGINNING BRIDGE CONSTRUCTION, VERIFY THE TOP OF RAIL ELEVATIONS AND REPORT ANY VARIATIONS TO THE ENGINEER. ANY PLAN REVISIONS NECESSARY TO ACHIEVE THE REQUIRED MINIMUM VERTICAL CLEARANCE WILL BE PROVIDED BY THE DEPARTMENT.

REMOVABLE FORMS MAY BE USED IN LIEU OF STAY-IN-PLACE METAL FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.

PRESTRESSED CONCRETE DECK PANELS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS. THE SKEWED END CONDITION AT EACH END BENT AND BENT IS SUCH THAT THE USE OF 4'WIDE PRESTRESSED CONCRETE DECK PANELS IS NOT POSSIBLE: USE OF 8'WIDE PRESTRESSED CONCRETE DECK PANELS IS NECESSARY.

NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.

THE CLASS AA CONCRETE IN THE BRIDGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE SUBSTITUTION RATE SPECIFIED IN ARTICLE 1024-1 AND IN ACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF THE STANDARD SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE REINFORCED CONCRETE DECK SLAB.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

FOR PLACING LOAD ON STRUCTURE MEMBERS, SEE SPECIAL PROVISIONS.

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA ON SHEET 1 OF 4 SHALL BE EXCAVATED FOR A DISTANCE OF 90± FEET EACH SIDE OF CENTERLINE ROADWAY AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR UNCLASSIFIED STRUCTURE EXCAVATION. SEE SECTION 412 OF THE STANDARD SPECIFICATIONS.

WORK SHALL NOT BE STARTED ON THIS BRIDGE UNTIL EXCAVATION IS COMPLETE.

FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS.

FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.

PROJECT NO. U-2707
FORSYTH COUNTY

STATION: ____

17+34.88 -Y-

SHEET 3 OF 4

BRIDGE NO.109

AECOM TECHNICAL SERVICES, INC.
701 CORPORATE CENTER DRIVE, SUITE 475
RALEIGH, NC 27607
(919) 854-6200 www.aecom.com
AECOM License No. F-0342

SEAL
John (. Morrison

AZONE MEMBER SON

3/2/2016

DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON SR 2999
(HAMPTON ROAD) OVER
NORFOLK SOUTHERN RAILROAD
BETWEEN US 158 AND SR 3104

REVISIONS

SHEET NO. S-45

O. BY: DATE: NO. BY: DATE: S-45

TOTAL SHEETS

86

DRAWN BY: KHC DATE: 10/2015
CHECKED BY: JCM DATE: 10/2015

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED