

F.H.W.A. REGION	STATE	FEDERAL AID		STATE		SHEET NO.	TOTAL SHEETS
		ROUTE	PROJECT	ROUTE	PROJECT		

GENERAL NOTES:

WIDTHS: 5'-0" SIDEWALK, 52'-0" ROADWAY, 5'-0" SIDEWALK, OVERALL WIDTH 62'-0" FACE TO FACE OF PARAPETS.

SPAN LAYOUT: 1-27 FOOT PRESTRESSED CONCRETE SLAB SPAN, 1-64 FOOT PRESTRESSED CONCRETE TYPE III BEAM SPAN, 1-32 FOOT PRESTRESSED CONCRETE SLAB SPAN.

CAPACITY: HS20-44 LOADING.

SPECIFICATIONS:

CONSTRUCTION - VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS, 1982.

DESIGN - AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1977, AND INTERIM SPECIFICATIONS, 1978, 1979, 1980, 1981 AND 1982.

STANDARDS: VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION ROAD AND BRIDGE STANDARDS, 1982.

THESE PLANS ARE INCOMPLETE UNLESS ACCOMPANIED BY THE SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS.

DESIGN LOADING INCLUDES 20P.S.F. ALLOWANCE ON SPAN 2 FOR CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS.

ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.

CONCRETE IN PRESTRESSED MEMBERS SHALL BE CLASS A5. CAST-IN-PLACE CONCRETE IN SUPERSTRUCTURE SHALL BE CLASS A4. ALL OTHER CONCRETE SHALL BE CLASS A3.

DEFORMED REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60; TIE BARS IN PIER COLUMNS MAY BE GRADE 40. ALL REINFORCING BAR DIMENSIONS ON THE DETAILED DRAWINGS ARE TO CENTERS OF BARS EXCEPT WHERE OTHERWISE NOTED. REINFORCING STEEL FABRICATION DRAWINGS SHALL BE SUBMITTED TO THE CITY ENGINEERING DEPARTMENT FOR APPROVAL.

FOOTINGS FOR ABUTMENTS SHALL REST ON FIRM MATERIAL. BEARING CAPACITY OF FOUNDATION SHALL BE 2 TONS/SQ. FT. MIN.

H-PILES IN PIERS ARE DESIGNED FOR A CAPACITY OF 55 TONS PER PILE. IT IS ANTICIPATED THAT SOME SHORT PILES WILL BE REQUIRED IN A PORTION OF PIER 1. WHEN THE CONTRACTOR HAS EXCAVATED TO THE ELEVATION OF THE BOTTOM OF THE PILE FOOTINGS FOR PIER 1, THE CONTRACTOR SHALL EXPLORE BY ROD SOUNDINGS, DRILLINGS OR ANY OTHER MEANS BY WHICH THE PILE LENGTH CAN BE ESTABLISHED. SUCH EXPLORATIONS SHALL EXTEND TO DEPTHS NOT GREATER THAN 10 FEET BELOW THE BOTTOM OF THE PILE FOOTING. THE INFORMATION SHALL BE SUBMITTED TO THE CITY ENGINEERING DEPARTMENT FOR APPROVAL. ALL STEEL H-PILES SHALL HAVE STEEL REINFORCED TIPS.

BRIDGE NO. OF EXISTING STRUCTURE IS 1825.

DECK IN SPANS 1 AND 3 SHALL BE WATERPROOFED WITH CLASS 1 WATERPROOFING IN ACCORDANCE WITH THE REQUIREMENTS OF SEC. 405 AND SEC. 421.

SEEDING, IF REQUIRED, WILL BE DONE BY CITY FORCES.

RAILWAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

B.M.: CHISELED "D" ON TOP OF CURB 35' RIGHT OF STA. 18+00. ELEVATION 984.84.

REVISION	DATE	DESCRIPTION	BY	APP
DESIGNED	HWP	13TH STREET OVER NW RAILWAY CITY OF ROANOKE, VIRGINIA  PLAN AND ELEVATION		
DRAWN	JLS			
CHECKED	HWP RWF			
APPROVED	HOK			
SUBMITTED	1/26/83			
HAYES, SEAY, MATTERN & MATTERN ARCHITECTS - ENGINEERS - PLANNERS ROANOKE, VIRGINIA		SCALE 1" = 10'	COMM. NO. 2802A	
		DATE JULY 1983	SHEET 5 OF 20	

