

EXPIRES 11-30-2006

 $f_c' = 3.500 \text{ psi}$ $f_V = 60,000 \text{ psi (reinforcement)}$

fy = 50,000 psi (structural steel) M270 Grade 50W

SEISMIC DATA

Seismic Performance Category (SPC) = A Bedrock Acceleration Coefficient (A) = 0.055g Site Coefficient (S) = I

BOUTE NO.	SECTION	SECTION CO		sTREPs	SHEET NO.	SHEET NO. 1
F.A.S. 738	*	Greene		28	5	20 SHEETS
	'EO. MOAD DEST. NO. 7		PED, ACD PROJECT-			

*01-00072-00-BR CONTRACT NO. 97249

GENERAL NOTES

Fasteners shall be high strength bolts AASHTO M164, Type 3 in unpainted areas and mechanically galvanized AASHTO M164, Type 1 or Type 2 in painted areas. Bolts 34" \$\phi\$, open holes 1316" \$\phi\$, unless otherwise noted.

Calculated weight of Structural Steel = 135,540 Pounds Anchor bolts shall be set before bolting diaphragms over supports.

The structural steel bearing plates of the Elastomeric Bearing Assembly

shall conform to the requirements of AASHTO M 270 Grade 50W. The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams and all splice plate material

Field welding of construction accessories will not be permitted to the beams. Reinforcement bars shall conform to the requirements of AASHTO M31,

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. All Construction joints shall be bonded.

All structural steel shall be AASHTO M 270 Grade 50W.

AASHTO M 270 Grade 50W structural steel shall only be painted for a distance of three times the depth of the beams or girders (but not exceeding 10 feet) each way from the deck joints. All structural steel shall be cleaned as specified in the special provision for "Surface Preparation and Painting Requirements for Weathering Steel".

The Contractor shall take care during construction to protect the existing slopewal If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06 of the Standard Specifications. If additional cantilever forming brackets are required. hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.		8.6	8.6
Removal of Existing Superstructure	Each	1		1
Structure Excavation	Cu. Yd.		48	48
Neoprene Expansion Joint 2''	Foot	78		78
Neoprene Expansion Joint 2½"	Foot	39		39
Elastomeric Bearing Assembly Type I	Each	20		20
Elastomeric Bearing Assembly Type II	Each	10		10
Concrete Structures	Cu. Yd.		12.9	12.9
Furnishing and Erecting Structural Steel	L. Sum	1		1
Reinforcement Bars, Epoxy Coated	Pound	50360	3300	53660
Steel Bridge Rail, Type S-1	Foot	492		492
Name Plates	Each		1	1
Bridge Deck Grooving	Sq. Yd.	765		765
Protective Coating	Sq. Yd.	819		819
Concrete Superstructure	Cu. Yd.	198.4		198.4
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GENERAL PLAN F.A.S. 738 OVER HURRICANE CREEK SECTION 01-00072-00-BR GREENE COUNTY STA. 144+72.46 STR. NO. 031-3005

DRAWN

DESIGNED ABG

CHECKED ZBU

CHECKED JFS

SMS

JANUARY 31, 2005