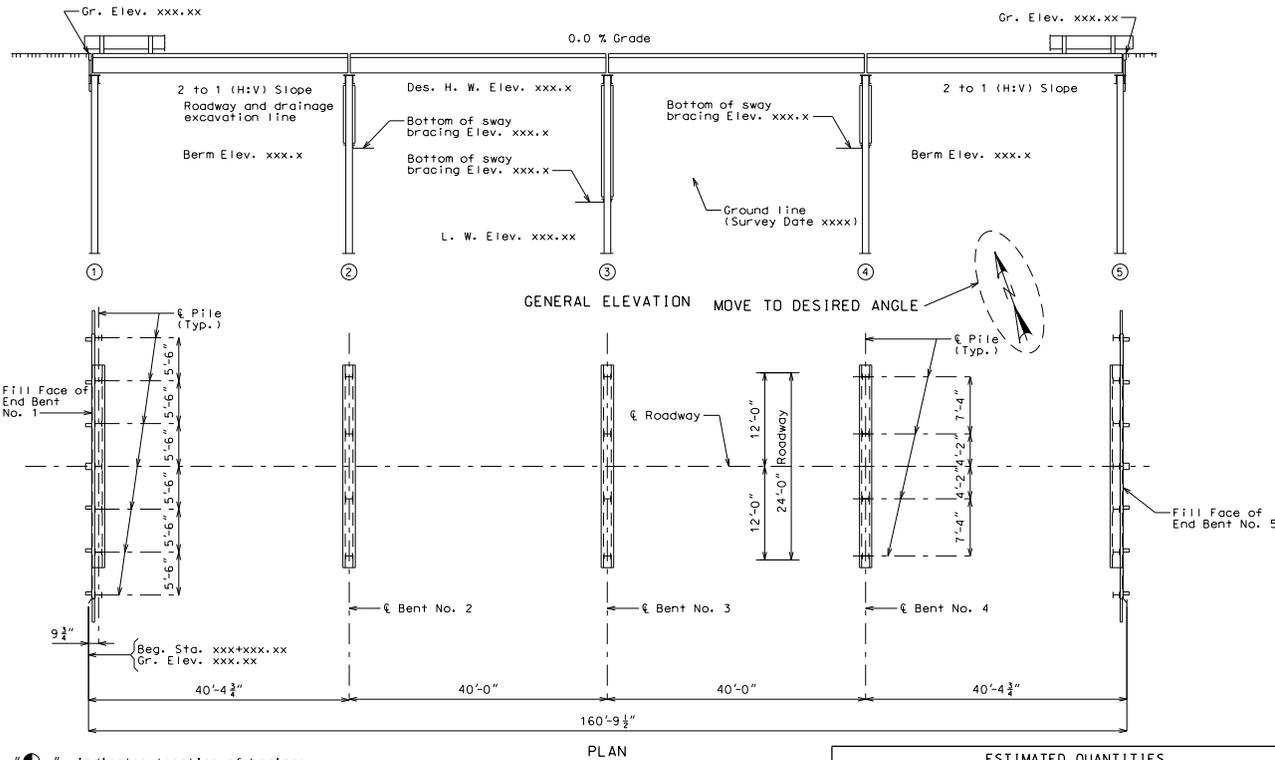


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

(4 @ 40') PREFABRICATED SIMPLE SEGMENTED WIDE FLANGE BEAM SPANS

SEC/SUR * TWP * RGE *



GENERAL NOTES:

Design Specifications:
 2002 - AASHTO 17th Edition
 Seismic Performance Category
 Acceleration Coefficient =

Design Loading:
 H20-44
 Earth 120 #/Cu. Ft., Equivalent Fluid Pressure 45#/Cu. Ft.

Design Unit Stresses:
 Structural Steel (ASTM A709 Grade 50W) $f_y = 50,000$ psi
 Structural Steel (ASTM A709 Grade 36) $f_y = 36,000$ psi
 Steel Pile (ASTM A709 Grade 50) $f_b = 9,000$ psi, $f_y = 50,000$ psi
 Structural Steel Tubing (ASTM A500) $f_y = 46,000$ psi

Timber:
 All timber shall be standard rough sawn. At the contractor's option, timber may be untreated or protected with commercially applied timber preservatives. All timber shall have a minimum strength of 1500 psi and shall be either douglas fir in accordance with paragraph 123B (MC-19), 124B (MC-19) and 130BB of the current edition of Standard Grading Rules for West Coast Lumber, southern pine in accordance with paragraphs 312 (MC-19), 342 (MC-19) and 405.1 of the current edition of Southern Pine Inspection Bureau Grading Rules, or a satisfactory grade of sound native oak.

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED		3/27/2012	
ROUTE	STATE	ROUTE	STATE
* BR	* MO	* BR	* MO
DISTRICT		SHEET NO.	
BR		*	
COUNTY			
*			
JOB NO.			
*			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			
TEM 1			

Boils:
 All bolts shall be high strength ASTM A325 except as noted.

Structural Steel:
 All structural steel shall be ASTM A709 Grade 50W except piles, sway bracing, trile beam rail assembly and structural tubing. Structural tubing coating shall be in accordance with Sec 718.

Misc:
 The superstructure only & cap beam units will be provided by the State and shall be transported from Maintenance Lot. The superstructure shall be returned and stored at the same location as designated by the engineer after Bridge No. is open to traffic.

Traffic:
 Use existing bridge during construction.

"⊕" Indicates location of borings.

Notice and Disclaimer Regarding Boring Log Data

The locations of all subsurface borings for this structure are shown on the plan sheet(s) for this structure. The boring data for all locations indicated, as well as any other boring logs or other factual records of subsurface data and investigations performed by the department for the design of the project, are shown on Sheet(s) No. or will be available from the Project Contact upon written request. No greater significance or weight should be given to the boring data depicted on the plan sheets than is given to the subsurface data available from the district or elsewhere.

The Commission does not represent or warrant that any such boring data accurately depicts the conditions to be encountered in constructing this project. A contractor assumes all risks it may encounter in basing its bid prices, time or schedule of performance on the boring data depicted here or those available from the district, or on any other documentation not expressly warranted, which the contractor may obtain from the Commission.

ESTIMATED QUANTITIES		
ITEM		TOTAL
Structural Steel Piles (14")	Linear Foot	XXX
Partial Furnishing of Superstructure	Lump Sum	1
Transporting and Erecting Superstructure	Lump Sum	1
Removing and Storing Superstructure	Lump Sum	1

HYDROLOGIC DATA	
Drainage Area	= xx.x Sq. Mi.
Des. Discharge	= xxxx c.f.s. (xx years)
Des. H. W. Elev.	= xxx.x feet (xx years)
Estimated Backwater	= xxx feet
BASIC FLOOD DATA	
Discharge	= xxxx c.f.s. (xxx years)
H. W. Elev.	= xxx.x feet
Estimated Backwater	= xxx feet
OVERTOPPING FLOOD DATA	
Discharge	= xxxx c.f.s. (xxx years)

PILE DATA					
BENT NO.	1	2	3	4	5
Pile Type and Size	HP 14 x 73				
Number	7	4	4	4	7
Approximate Length Ft.	XX	XX	XX	XX	XX
Design Bearing Tons	11	19	19	19	11
Hammer Energy Required Ft.-Lbs.	X.XXX	X.XXX	X.XXX	X.XXX	X.XXX

NOTE TO DETAILER:
 REMOVE THE BORING DATA
 NOTES IF DOES NOT APPLY.

Note: Minimum energy requirement of hammer is based on plan length and design bearing value of piles. All piles shall be driven to practical refusal.

LOCATION SKETCH

B.M.

 BRIDGE

 STATE ROAD
 ABOUT
 STA.

STD.
STD.
STD.
STD.

Note: This drawing is not to scale. Follow dimensions. Sheet No. of

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESIGNER: [Signature]
 DATE: 3/27/2012

CHECKED: [Signature]
 DATE: 3/27/2012

PROJECT NO. [Blank]
 BRIDGE NO. [Blank]

COUNTY [Blank]
 JOB NO. [Blank]

CONTRACT ID. [Blank]

DISTRICT [Blank]

ROUTE [Blank] STATE [Blank]

SHEET NO. [Blank] OF [Blank]

DATE: 3/27/2012

DESIGNER: [Signature]

CHECKED: [Signature]

DATE: 3/27/2012