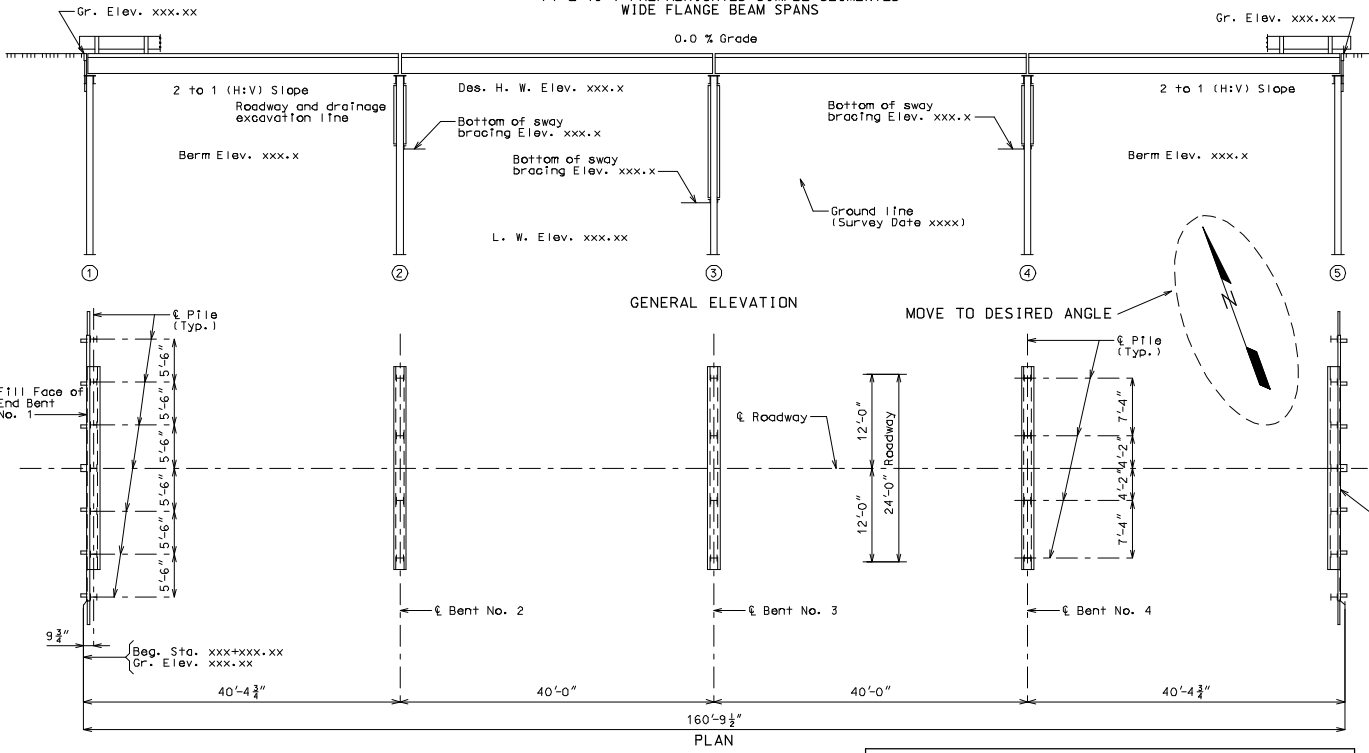


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ROUTE *	STATE MO	DISTRICT BR	SHEET NO. *
JOB NO. *			
CONTRACT ID.			
PROJECT NO.			
COUNTY *			DATE
SEC/SUR *	TWP *	RGE *	

THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.



GENERAL ELEVATION

MOVE TO DESIRED ANGLE

PLAN

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.
- Bolts:**
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, triple beam rail assembly and structural tubing. Structural tubing coating shall be in accordance with Sec 718.
- Fill Face of End Bent No. 5**
- 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 bridge plan sheet(s) for this structure. Boring data for the numbered locations is shown on sheet(s) no. _____. 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, is available from the Project Contact upon written request as outlined in the Project Special Provisions. No greater significance or weight should be given to the boring data depicted on the plan sheets than is 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	Linear Foot	TOTAL
Structural Steel Piles (14")	XXX	
Partial Furnishing of Superstructure	Lump Sum	1
Transporting and Erecting Superstructure	Lump Sum	1
Removing and Storing Superstructure	Lump Sum	1

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.

B.M.

BRIDGE

STATE ROAD

ABDUT

STA.

STD.
STD.
STD.
STD.
ITEM 1

LOCATION SKETCH

Designed
Detailed
Checked

Note: This drawing is not to scale. Follow dimensions.

Sheet No. of

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