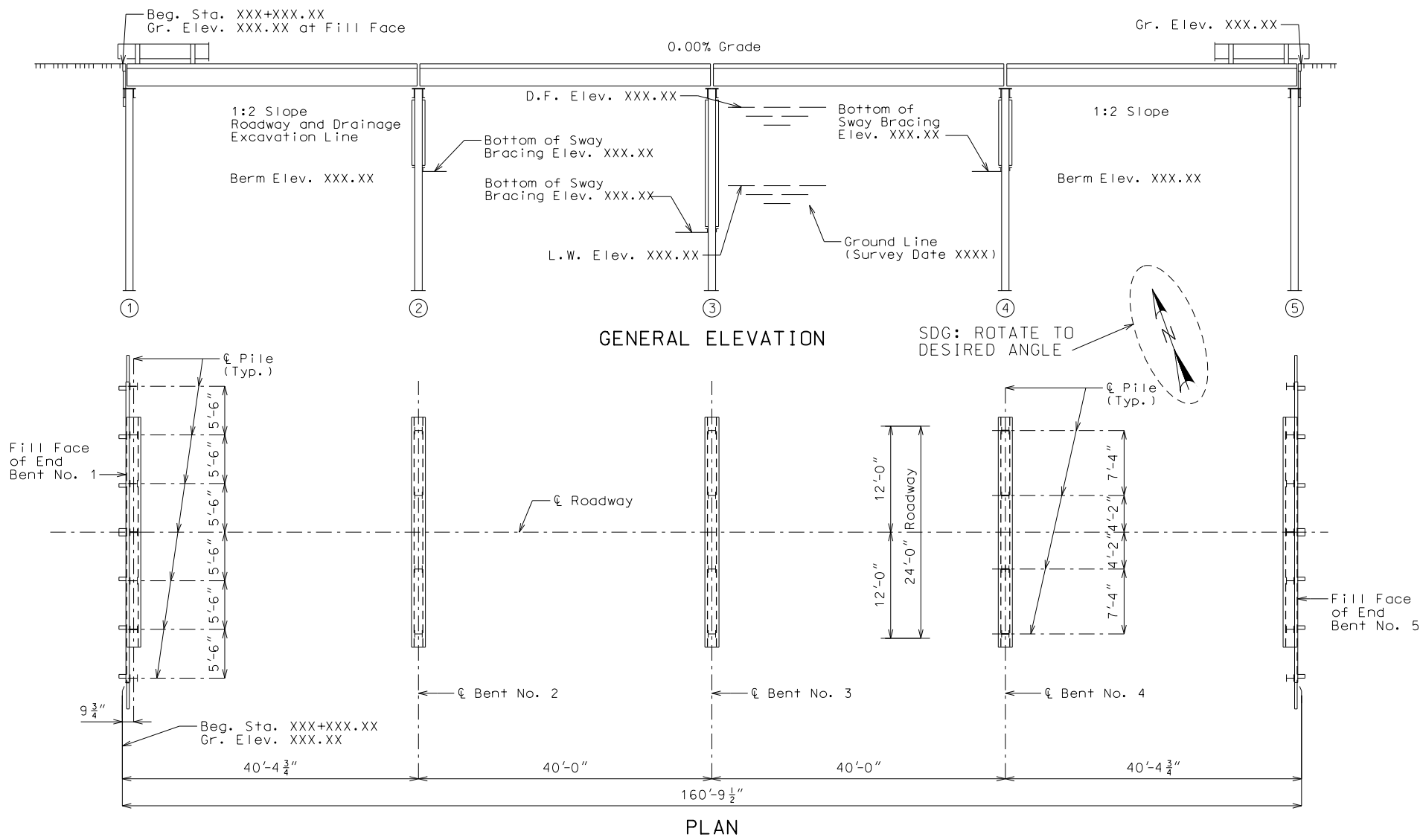


(4 @ 40') PREFABRICATED SIMPLE SEGMENTED WIDE FLANG BEAM SPANS



General Notes

Design Specifications:
 2002 AASHTO LFD (17th Ed.) Standard Specifications
 Seismic Performance Category =
 Acceleration Coefficient =

Design Loading:
 H20-44
 Earth 120 lb/cf, Equivalent Fluid Pressure 45 lb/cf (Min.)

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) $f_y = 50,000$ 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, thrie beam rail assembly and structural tubing. Structural tubing coating shall be in accordance with Sec 718.

Substructure:
 All substructure items specified in Sec 718.3.1 except for the pile point reinforcement and sway bracing will be considered completely covered by the contract unit price for Structural Steel Piles (14 in.).

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

Traffic Handling:
 Traffic to be maintained on existing structure during construction. See roadway plans for traffic control.

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

DATE PREPARED	
10/17/2018	
ROUTE	STATE
* BR	MO
DISTRICT	SHEET NO.
BR	1
COUNTY	
*	
JOB NO.	
*	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
TEMP 1	
DESCRIPTION	DATE

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. __ and may be included in the Electronic Bridge Deliverables. They will also 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.

SDG: REMOVE THE BORING DATA NOTES IF DOES NOT APPLY.

Estimated Quantities		
Item		Total
Structural Steel Pile (14 in.)	linear foot	X
* Fabricated Structural Carbon Steel (Misc.)	pound	1
Partial Furnishing of Superstructure	lump sum	1
Transporting and Erecting Superstructure	lump sum	1
Removing and Storing Superstructure	lump sum	1

*Furnishing and installing sway bracing at intermediate bents.

Hydrologic Data	
Drainage Area =	___ mi ²
Design Flood Frequency =	___ years
Design Flood Discharge =	___ cfs
Design Flood (D.F.) Elevation =	-----
Base Flood (100-year)	
Base Flood Elevation =	-----
Base Flood Discharge =	___ cfs
Estimated Backwater =	__ ft
Average Velocity thru Opening =	__ ft/s
Freeboard (50-year)	
Freeboard =	__ ft
Roadway Overtopping	
Overtopping Flood Discharge =	___ cfs
Overtopping Flood Frequency =	___ years
----- Flood Elevation =	-----

B.M.

Foundation Data							
Type	Design Data	Bent Number					
		1	2	3	4	5	
Load Bearing Pile	Pile Type and Size	HP 14x73	HP 14x73	HP 14x73	HP 14x73	HP 14x73	
	Number	ea	7	4	4	4	7
	Approximate Length Per Each	ft	*	*	*	*	*
	Pile Driving Verification Method		DF	DF	DF	DF	DF
	Design Bearing	kip	22	38	38	38	22
	Min. Hammer Energy Required	ft-lb	*	*	*	*	*

All piling shall be driven to a minimum nominal axial compressive resistance equal to 3.5 times the Design Bearing as shown on the plans.

LOCATION SKETCH

BRIDGE: ROUTE * OVER *

ROUTE * FROM * TO *
 ABOUT * MILES * OF *
 BEGINNING STA. -----

Designed
 Detailed
 Checked

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)