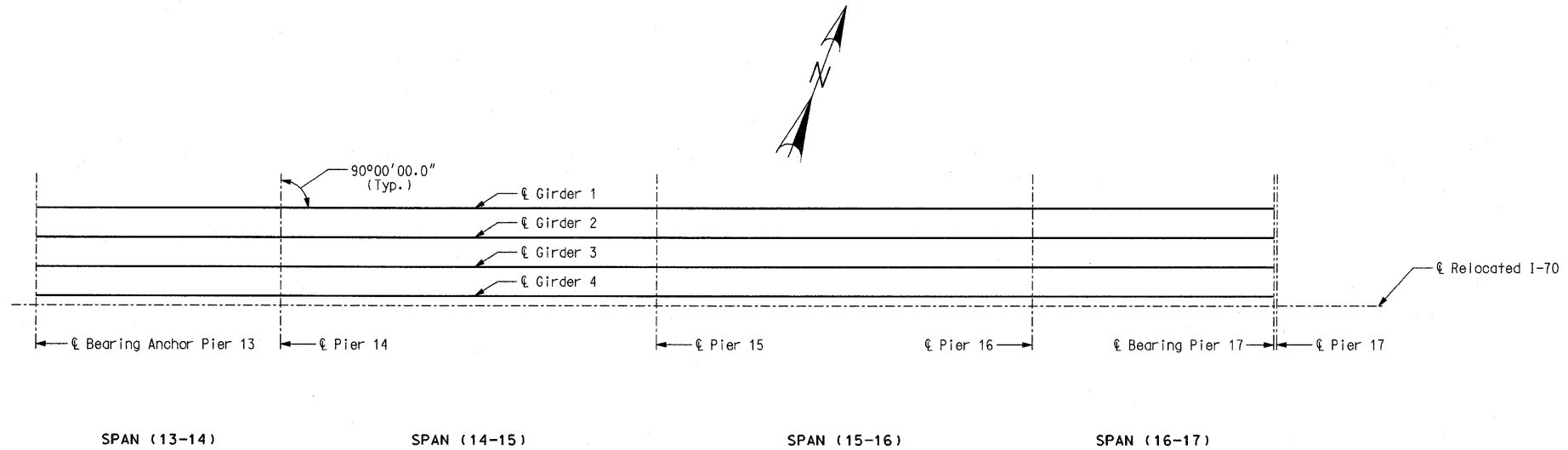
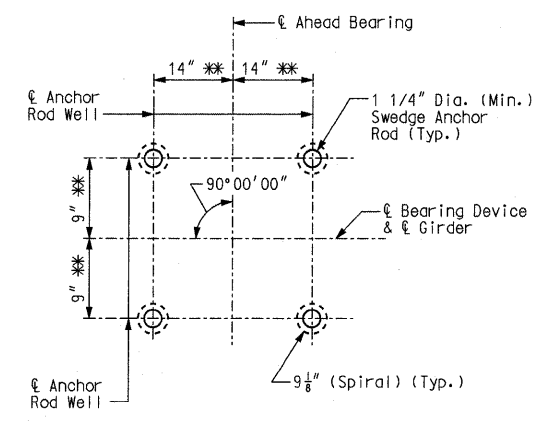


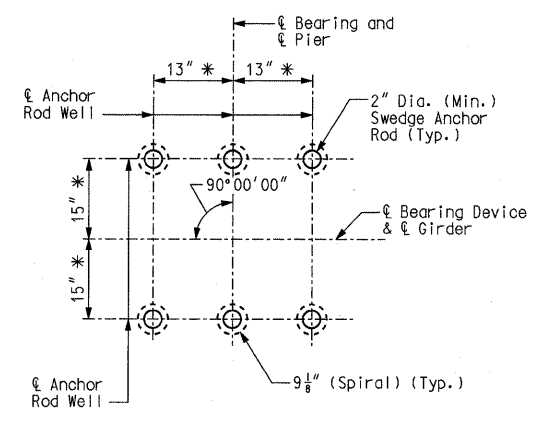
CONTRACT NO. 76D61	
F.A. ROUTE	SECTION
999	82-1B-2
FED. AID PROJECT	ILLINOIS
COUNTY	ST. CLAIR
USER NAME = Jjolliff	
PLOT SCALE = *SCALE*	
PLOT DATE = 4/14/2010	
DESIGNED -	HNTB
CHECKED -	CMT
DRAWN -	CMT / HNTB
REVISED -	
REVISED -	
REVISED -	
REVISED -	



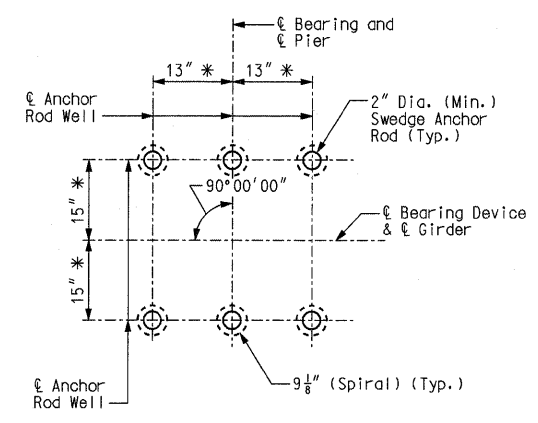
**BEARING DEVICE ALIGNMENT PLAN**



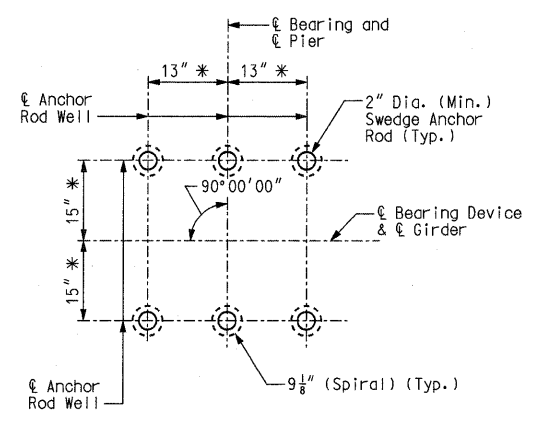
**ANCHOR ROD SETTING PLAN  
ANCHOR PIER 13**



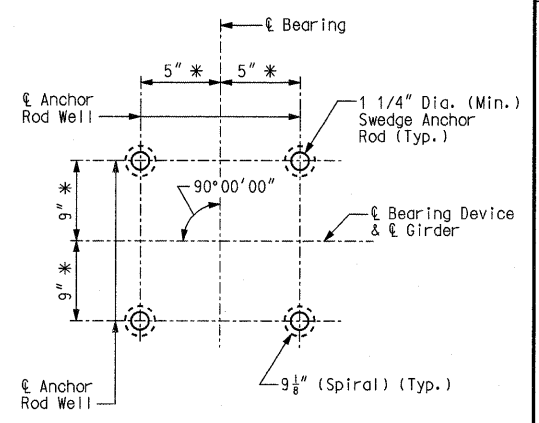
**ANCHOR ROD SETTING PLAN  
PIER 14**



**ANCHOR ROD SETTING PLAN  
PIER 15**

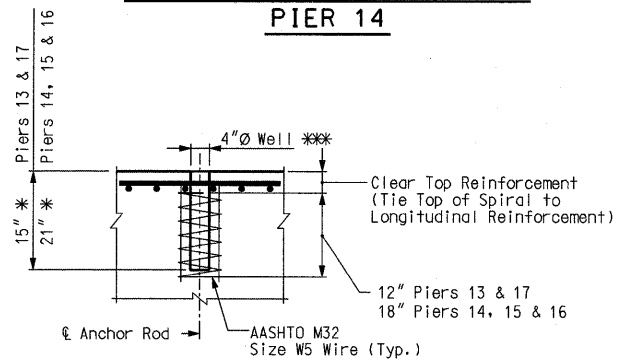


**ANCHOR ROD SETTING PLAN  
PIER 16**



**ANCHOR ROD SETTING PLAN  
PIER 17 (SPAN 16-17)**

Note: Anchor Rod Wells will be provided by others (Pier 13 Only).



**ANCHOR ROD WELL DETAIL**

Notes:

Anchor Rod Well sizes are conceptual and shall be sized by Contractor and coordinated with anchor rod requirements of the multi-rotational bearing manufacturer.

\* The contractor, in coordination with the bearing manufacturer, shall be responsible for determining the size, number, and location of anchor rods based on the load and movement capacities, as indicated in the Bearing Data shown on Sheet Nos. 42 and 43.

\*\* Anchor rods at Pier 13 have been located to avoid conflict with reinforcement steel in pier cap. Locations of these anchor rods are not subject to adjustment during design of bearing components by bearing manufacturer.

\*\*\* At the contractor's option the anchor bolt wells may be omitted, and in lieu thereof, holes drilled into the substructure. The anchor bolt holes shall be drilled in the exact location shown, to the required depth and perpendicular to the plane of the bridge seat. The drilled holes shall be no smaller than the diameter of the holes in the steel bearing plates or castings. The contractor shall not interfere with the beam cap reinforcing steel in any manner. The reinforcing steel shall not be cut or lanced in the event that the drilling for anchor rods interferes with the bars. When the anchor bolts are set in holes or wells, the hole or well shall be clean and dry prior to grouting with an expansive mortar in accordance with Sec 1066. Excess mortar forced out of holes shall be removed.

Detailed JUL 2009  
Checked JUL 2009

Note: This drawing is not to scale. Follow dimensions. Sheet No. 44 of 152

**BEARING DEVICE ALIGNMENT AND ANCHOR ROD SETTING PLAN WB - UNIT 1**

ILLINOIS APPROACH STRUCTURE FOR NEW I-70 MISSISSIPPI RIVER BRIDGE	
STATE OF ILLINOIS	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
DEPARTMENT OF TRANSPORTATION	

**HNTB**  
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CERTIFICATE OF AUTHORITY NO. 001270

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ENGINEERING CORPORATION - 000631