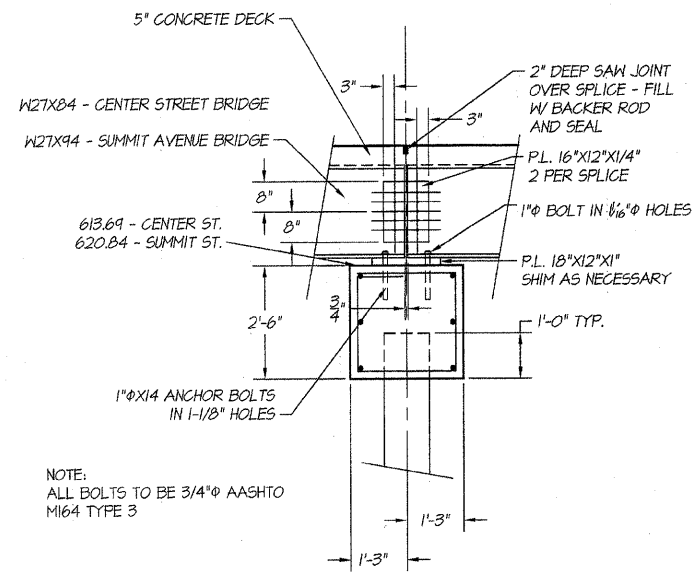
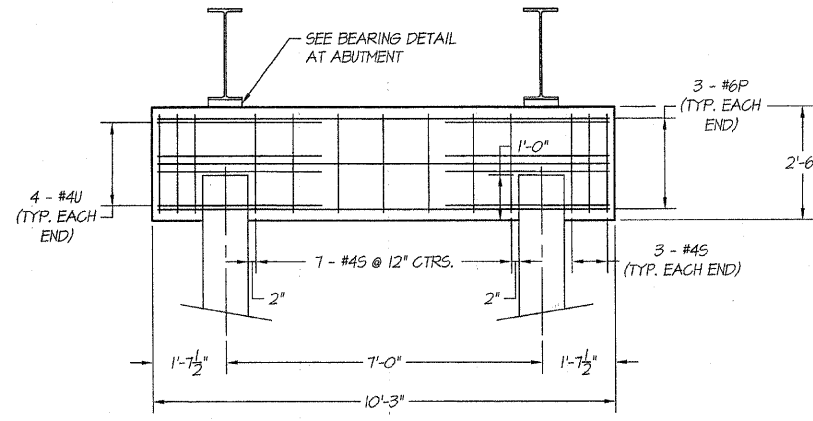


ROUTE NO.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
STEVENS CREEK BIKEWAY	89-P4000-00-BP	DECATUR PARK DIST	145	34
FED. ROAD DIST. NO.	ILLINOIS		PROJECT TE-00D7(27)	

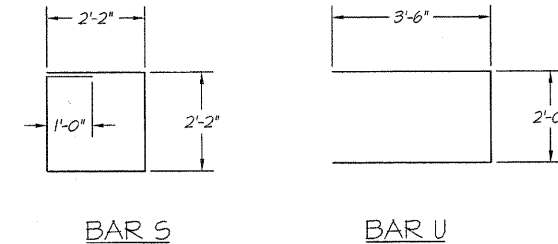


PIER ELEVATION  
SCALE: 1/2" = 1'



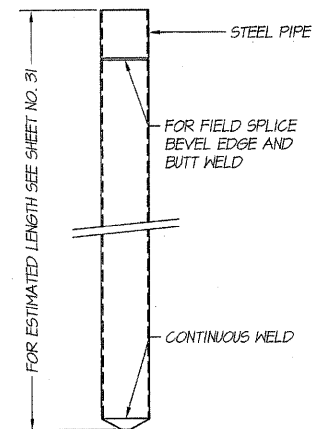
PIER SECTION  
SCALE: 1/2" = 1'

BILL OF MATERIALS (1 PIER)				
BAR SIZE	NUMBER	LENGTH	SHAPE	WEIGHT
#6P	6	10'-0"		90
#4U	8	9'-0"	SEE DETAIL	49
#4S	13	9'-8"	SEE DETAIL	84
TOTAL WEIGHT OF REINFORCEMENT = 223 LBS.				
CONCRETE QUANTITY = 2.4 CU. YDS.				
CENTER ST. - 12" CONCRETE PILES = 70 LIN. FT.				
SUMMIT AVE. - 12" CONCRETE PILES = 71 LIN. FT.				



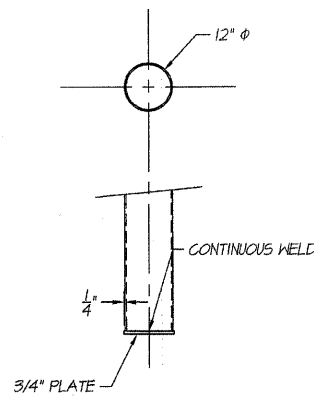
BAR S

BAR U

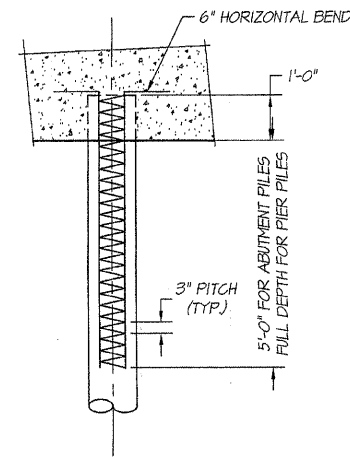


ELEVATION  
DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES  
SCALE: 1/2" = 1'

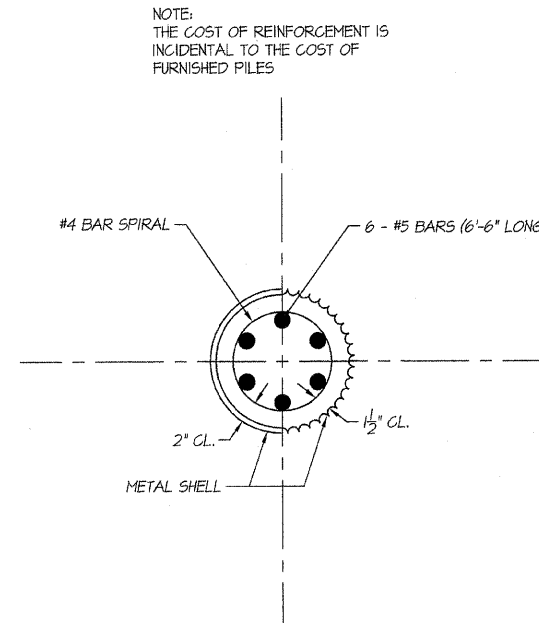
NOTE:  
DRIVING AND BEARING ENDS OF PIPE SHALL BE CUT SQUARE.  
THE THICKNESS OF THE SHELL SHALL BE 0.1743 INCHES WITH A TOLERANCE OF 5%.



ELEVATION - OPTIONAL FLAT END  
DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES  
SCALE: 1/2" = 1'



ELEVATION  
DETAIL OF REINFORCEMENT FOR METAL SHELLS  
SCALE: 1/2" = 1'

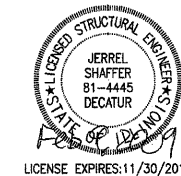


SECTION  
DETAIL OF REINFORCEMENT FOR METAL SHELLS  
SCALE: 1-1/2" = 1'

NOTE:  
REINFORCEMENT IN TOP OF PILE SHALL BE OMITTED UNDER PIER FOOTINGS WHEN PLACED IN NATURAL GROUND.

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements for the current AASHTO Standard Specifications for Highway Bridges.

*Jerrel L. Shaffer*  
JERREL L. SHAFFER  
ILLINOIS STRUCTURAL ENGINEER NO. 81-4445



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**GEB**  
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180 SOUTH WASHINGTON ROAD  
DECATUR, ILLINOIS 62526  
PHONE: 217/402-7200

REVISIONS	NO.	BY	DATE
SCALE	As Noted		
DESIGNED	JLS		
DRAWN	RJZ		
FIELD BOOK	XXX		
DATE	April 2004		
JOB NO.	99099		

DECATUR PARK DISTRICT  
STEVENS CREEK BIKEWAY - PHASE I  
FABRICATED BRIDGE DESIGN  
DETAILS

**ENGINEERS, INC.**  
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FAX: 217/402-7201 • E-MAIL: INFO@GEBM.COM

SHEET NO.  
**34**  
OF  
**145**