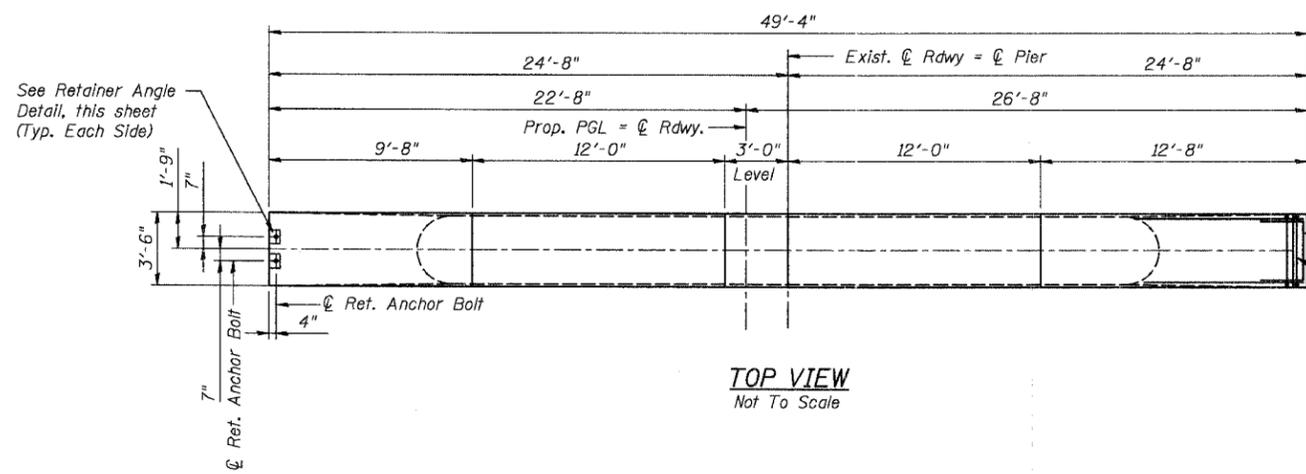
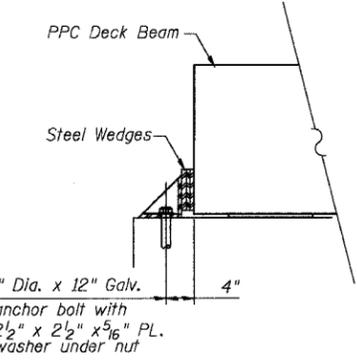


SECTION A-A
Not To Scale



TOP VIEW
Not To Scale

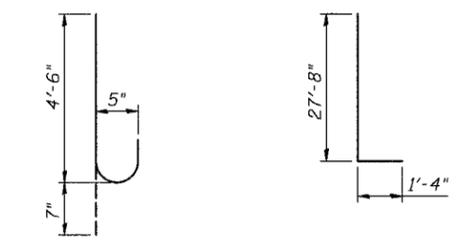


SECTION D-D
Not To Scale

A & B DIMENSIONS

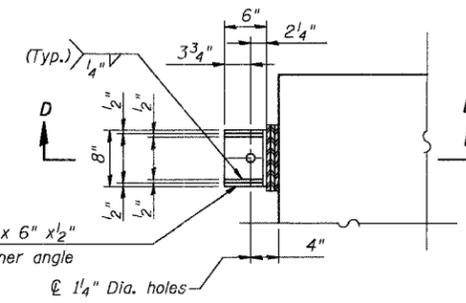
Bar	A	B
S ₁₀₀ (E)	3'-2"	3'-2"
S ₁₀₁ (E)	2'-7"	3'-2"
S ₁₀₂ (E)	2'-7"	3'-8"
U ₁₀₀ (E)	3'-0"	2'-2"

BAR S₁₀₀(E), S₁₀₁(E), U₁₀₀(E)



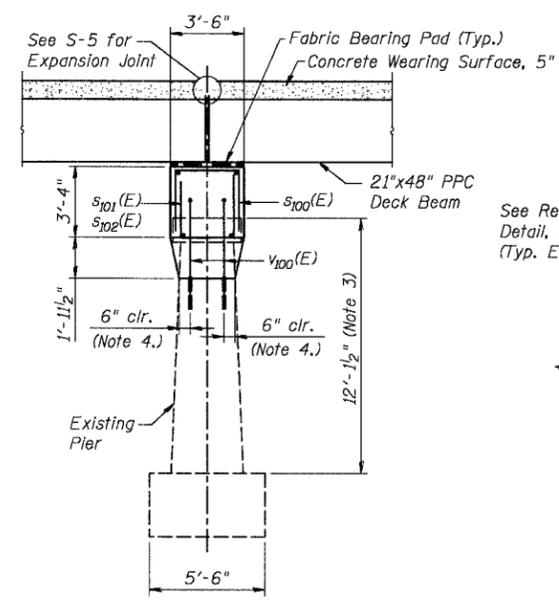
BAR V₁₀₀(E)

BAR D₁₀₀(E)

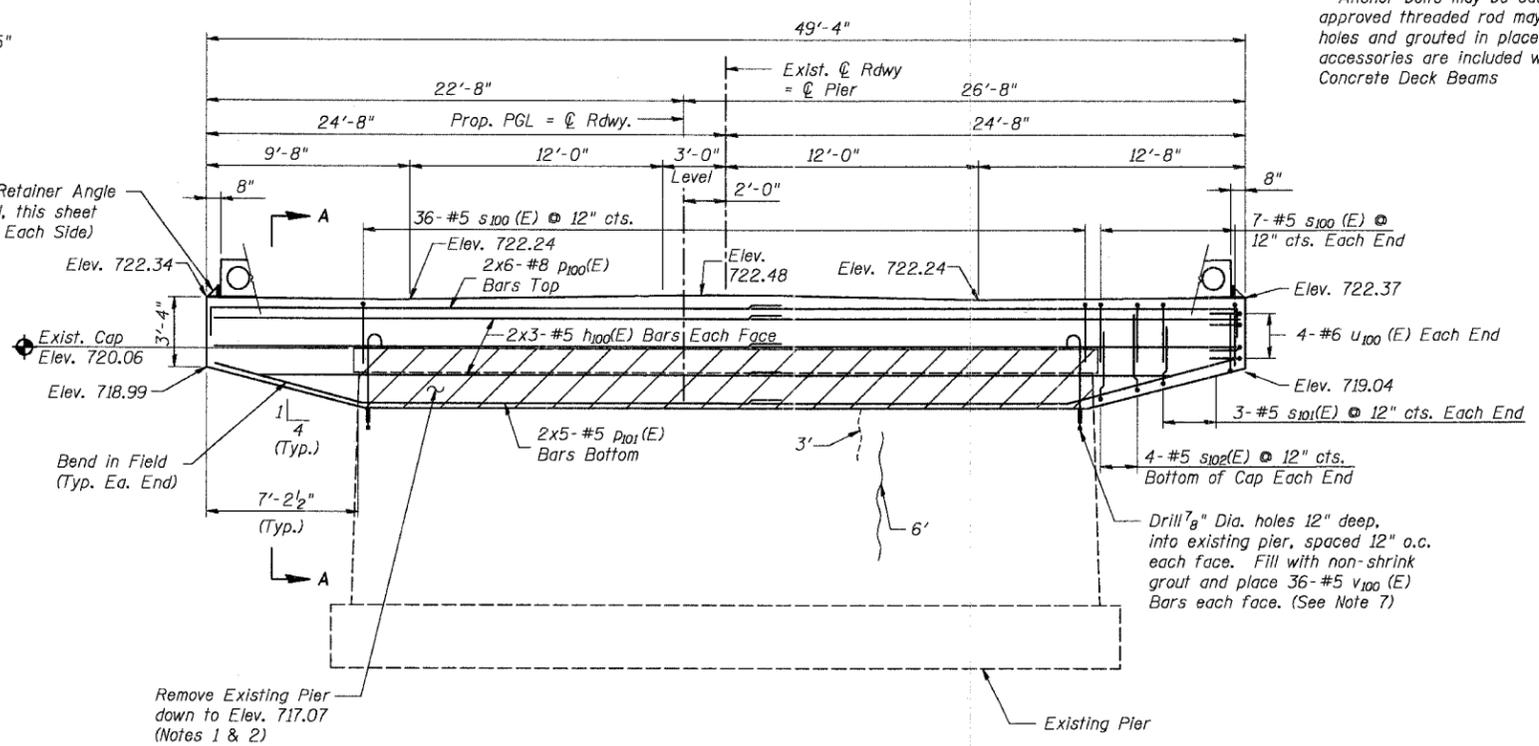


SIDE RETAINER ANGLE DETAIL
Not To Scale

* Anchor bolts may be cast into the masonry or approved threaded rod may be placed in drilled holes and grouted in place. Cost of retainer and accessories are included with Precast Prestressed Concrete Deck Beams



END VIEW
Not To Scale



PIER 3 ELEVATION
West Side Looking East
Not To Scale

LEGEND

- Indicates Epoxy Crack Sealing (Far Face)
- Indicates Epoxy Crack Sealing (Near Face)
- /// Indicates Concrete Removal Area
- ▨ Indicates Formed Concrete Repair ≤ 5"

BILL OF MATERIAL

Bar	No.	Size	Length (FT)	Shape
h ₁₀₀ (E)	12	# 5	25'-7"	—
p ₁₀₀ (E)	12	# 8	29'-0"	—
p ₁₀₁ (E)	10	# 5	25'-7"	—
S ₁₀₀ (E)	50	# 5	9'-6"	□
S ₁₀₁ (E)	6	# 5	8'-11"	□
S ₁₀₂ (E)	8	# 5	9'-11"	□
U ₁₀₀ (E)	8	# 5	7'-4"	□
V ₁₀₀ (E)	72	# 5	5'-1"	—
Reinforcement Bars, Epoxy Coated		Pound	2,590	
Concrete Removal		Cu. Yds.	11.6	
Concrete Structures		Cu. Yds.	30.9	
Epoxy Crack Sealing		Foot	9	
Bridge Seat Sealer		Sq. Ft.	173	

Reinforcement Bars designated (E) shall be Epoxy Coated

GENERAL NOTES

- Removal of existing concrete shall conform to Article 501.03 of the Standard Specifications.
- Preserve and incorporate 1'-0" length of a minimum of 50% of existing vertical reinforcement in removal area.
- Existing Pier Dimensions based on existing design drawings.
- Maintain 2" clear distance between existing vertical reinforcement and proposed drilled holes for V₁₀₀(E) bars.
- Space reinforcement in cap to miss anchor bolts
- Reinforcement Bar Bending dimensions are out to out.
- Cost for Drilling and Grouting V₁₀₀(E) Bars shall be included in Reinforcement Bars, Epoxy Coated.

DESIGNED	KMA
CHECKED	RGD
DRAWN	WJH
CHECKED	NRF

SMITH ENGINEERING CONSULTANTS, INC.
CIVIL/STRUCTURAL ENGINEERS AND SURVEYORS

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

Pier 3 Details
Main Street Over Fox River
"Public Waters"
Village of Carpentersville
Section 02-00059-00-BR
SN. 045-6150
Kane County

DATE 02-25-2005