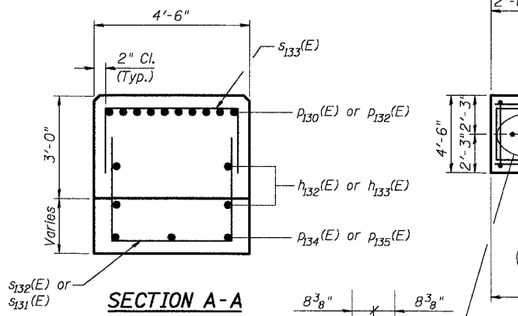
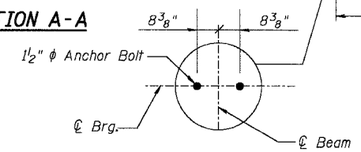
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1517	03-00247-00-BR	KANE	121	70
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

CONTRACT #83867

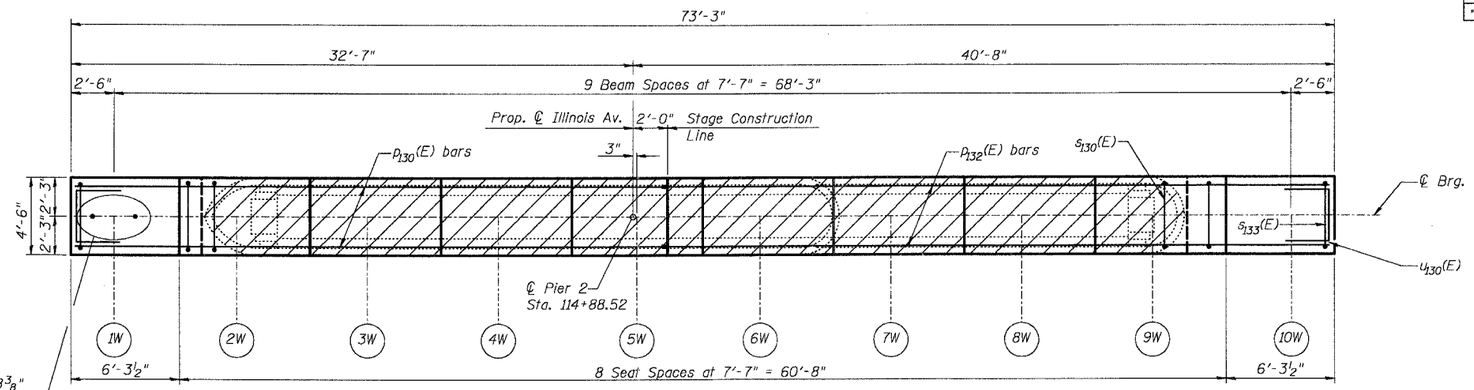
SHEET NO. SW-29
SW-30 SHEETS



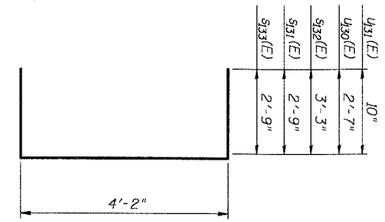
SECTION A-A



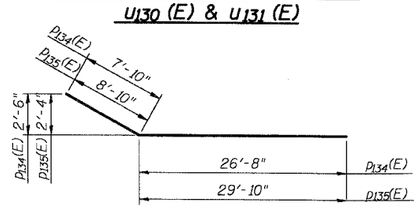
ANCHOR BOLT DETAIL



TOP PLAN



BARS $s_{133}(E)$, $s_{131}(E)$, $s_{132}(E)$ $u_{130}(E)$ & $u_{131}(E)$



BARS $p_{134}(E)$ & $p_{135}(E)$

BEAM SEAT ELEVATION TABLE

Beam #	1W	2W	3W	4W	5W	6W	7W	8W	9W	10W
Seat Elevation	637.54	637.70	637.85	637.98	638.09	637.97	637.84	637.69	637.53	637.37

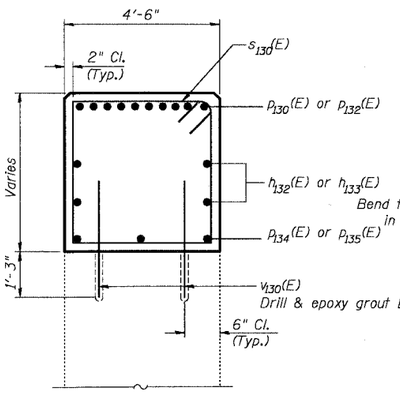
BAR $s_{130}(E)$

BILL OF MATERIAL PIER 2

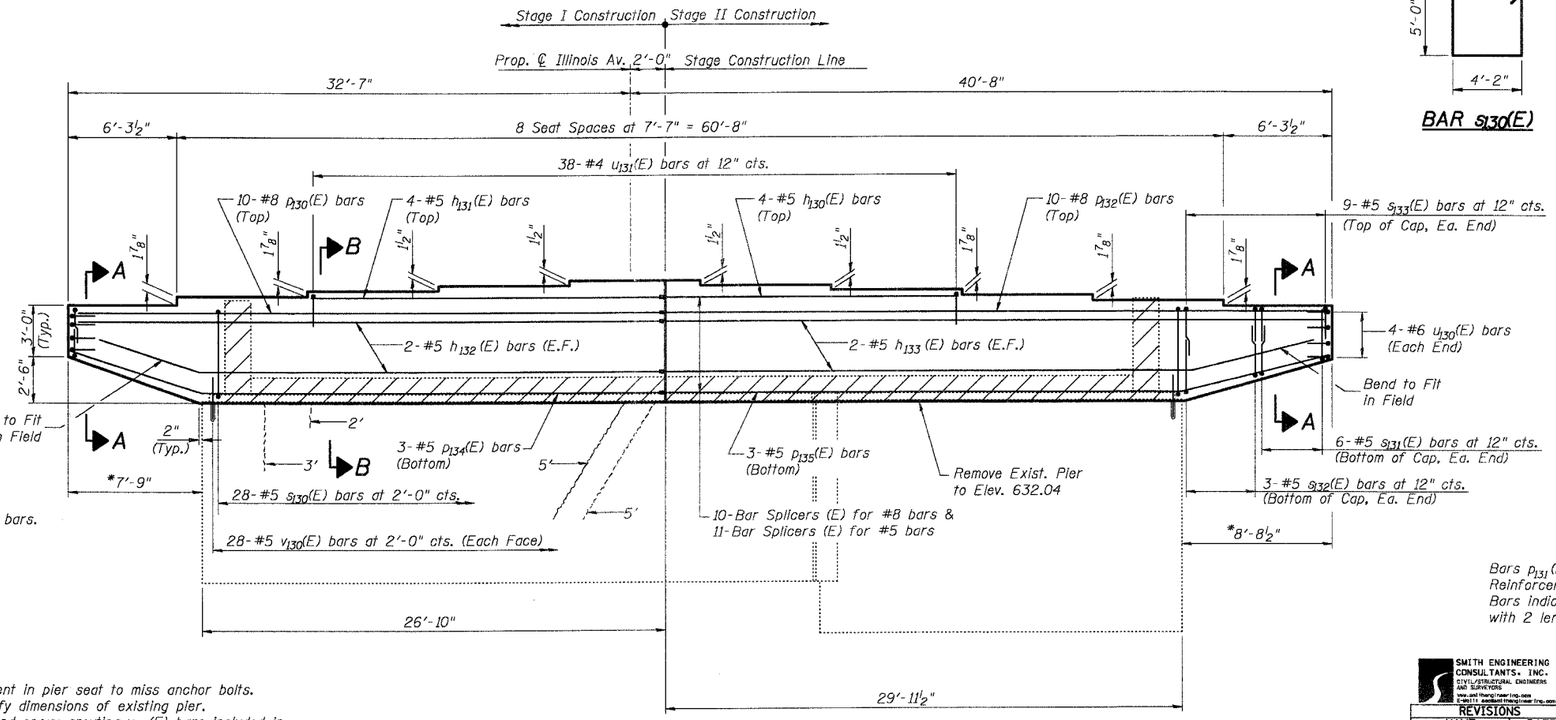
Bar	No.	Size	Length	Shape
$h_{130}(E)$	4	#5	16'-10"	—
$h_{131}(E)$	4	#5	20'-3"	—
$h_{132}(E)$	4	#5	34'-3"	—
$h_{133}(E)$	4	#5	38'-4"	—
$p_{130}(E)$	10	#8	34'-3"	—
$p_{132}(E)$	10	#8	38'-4"	—
$p_{134}(E)$	3	#5	34'-6"	⌒
$p_{135}(E)$	3	#5	38'-8"	⌒
$s_{130}(E)$	28	#5	19'-3"	□
$s_{131}(E)$	12	#5	9'-8"	⊓
$s_{132}(E)$	6	#5	10'-8"	⊓
$s_{133}(E)$	18	#5	9'-8"	⊓
$u_{130}(E)$	8	#6	9'-4"	⊓
$u_{131}(E)$	38	#4	5'-10"	⊓
$v_{130}(E)$	56	#5	2'-10"	—
Reinforcement Bars, Epoxy Coated			Pound	3,980
Concrete Removal			Cu. Yd.	16.5
Concrete Structures			Cu. Yd.	66.6
Epoxy Crack Sealing			Foot	15

LEGEND:

- Indicates Concrete Removal Areas
- Indicates Epoxy Crack Sealing (Near Face)
- Indicates Epoxy Crack Sealing (Far Face)



SECTION B-B



ELEVATION

Looking East

*Measured Along ℄ of Pier

NOTES:

1. Space reinforcement in pier seat to miss anchor bolts.
2. Contractor to verify dimensions of existing pier.
3. Cost for drilling and epoxy grouting $v_{130}(E)$ bars included in cost of Reinforcement Bars, Epoxy Coated.

Bars $p_{131}(E)$ & $p_{133}(E)$ are not used.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 1 x 2 -#5 etc. indicates 1 line of bars with 2 lengths per line.

DESIGNED	AEU
CHECKED	RGD
DRAWN	WJH
CHECKED	NRF

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

REVISIONS

NAME	DATE

CITY OF AURORA

PIER 2 DETAILS
ILLINOIS AVENUE
OVER THE FOX RIVER
SECTION NO. 03-00247-00-BR
KANE COUNTY
STRUCTURE NO. 045-6009

DATE 7-28-2006

COMPANY NAME, ETC. HERE
PROJECT CONTACT, TELEPHONE, EMAIL
PLOT DATE AND TIME
X:\Data\smith\0247-00BR\Sheets\Pier 2.dwg by city of aurora\smith\arch\dwg
X:\Projects\0247-00BR\Sheets\Pier 2.dwg by city of aurora\smith\arch\dwg