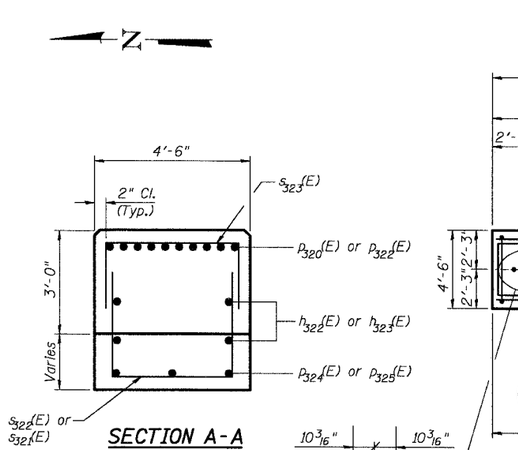
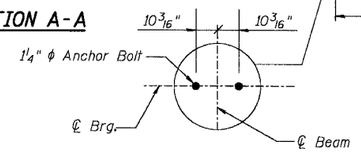
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1517	03-00247-00-BR	KANE	121	110
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

SHEET NO. SE-27
SE-27 SHEETS

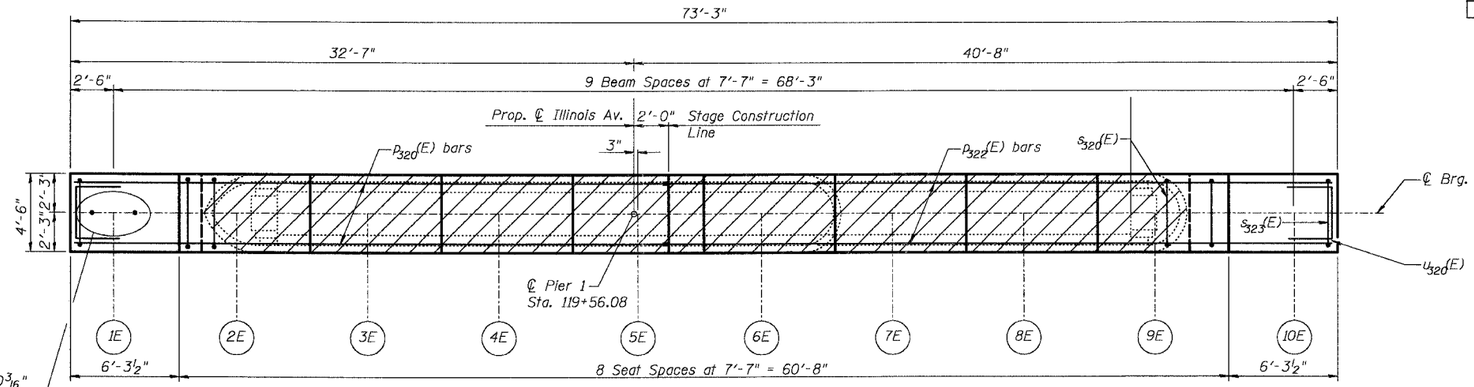
CONTRACT #83867



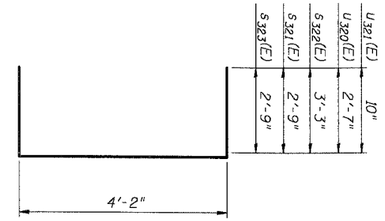
SECTION A-A



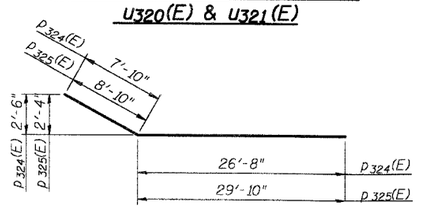
ANCHOR BOLT DETAIL



TOP PLAN



BARS $s_{323}(E)$, $s_{321}(E)$, $s_{322}(E)$ $u_{320}(E)$ & $u_{321}(E)$



BARS $p_{324}(E)$ & $p_{325}(E)$

BEAM SEAT ELEVATION TABLE

Beam #	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E
Seat Elevation	636.64	636.80	636.96	637.08	637.19	637.07	636.95	636.79	636.63	636.47

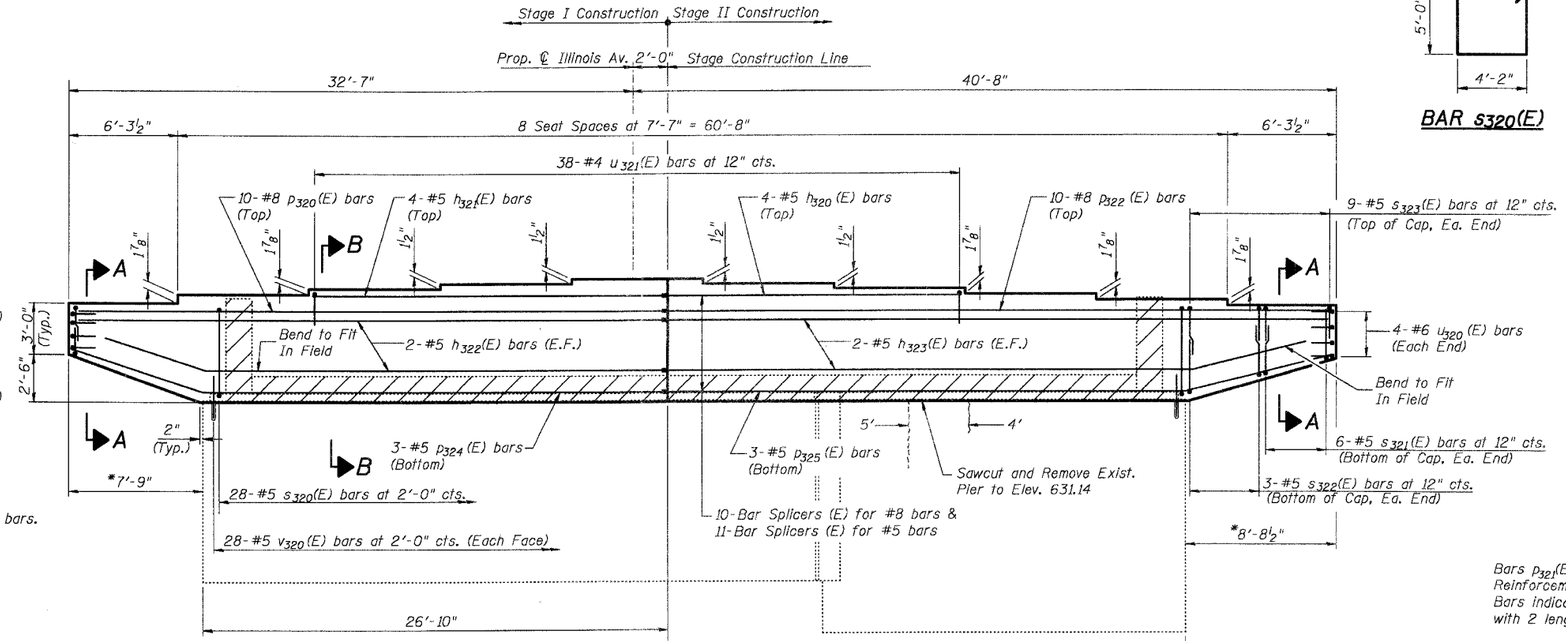
BILL OF MATERIAL PIER 1

Bar	No.	Size	Length	Shape
$h_{320}(E)$	4	#5	16'-10"	——
$h_{321}(E)$	4	#5	20'-3"	——
$h_{322}(E)$	4	#5	34'-3"	——
$h_{323}(E)$	4	#5	38'-4"	——
$p_{320}(E)$	10	#8	34'-3"	——
$p_{322}(E)$	10	#8	38'-4"	——
$p_{324}(E)$	3	#5	34'-6"	⌒
$p_{325}(E)$	3	#5	38'-8"	⌒
$s_{320}(E)$	28	#5	19'-3"	□
$s_{321}(E)$	12	#5	9'-8"	⌐¬
$s_{322}(E)$	6	#5	10'-8"	⌐¬
$s_{323}(E)$	18	#5	9'-8"	⌐¬
$u_{320}(E)$	8	#6	9'-4"	⌐¬
$u_{321}(E)$	38	#4	5'-10"	⌐¬
$v_{320}(E)$	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	9

BAR $s_{320}(E)$

LEGEND:

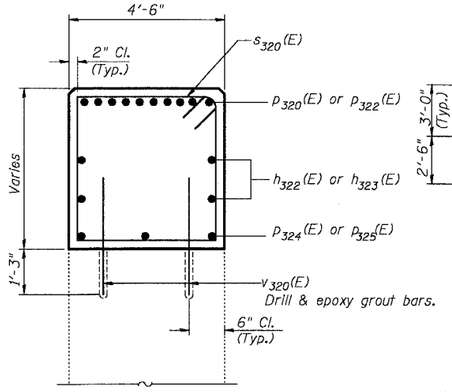
- Indicates Concrete Removal Areas
- Indicates Epoxy Crack Sealing (Near Face)
- Indicates Epoxy Crack Sealing (Far Face)



ELEVATION

Looking East

*Measured Along ℄ of Pier



SECTION B-B

NOTES:

Space reinforcement in pier seat to miss anchor bolts.
Contractor to verify dimensions of existing pier.
Cost for drilling and epoxy grouting $v_{320}(E)$ bars included in cost of Reinforcement Bars, Epoxy Coated.

Bars $p_{321}(E)$ & $p_{323}(E)$ 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
2411 Galena Road, Suite 2 Aurora, Illinois 60506
(630) 897-7900 Fax (630) 897-7904
e-mail: mail@smithengineering.com

REVISIONS

NAME	DATE

CITY OF AURORA

PIER 1 DETAILS
ILLINOIS AVENUE
OVER THE FOX RIVER
SECTION NO. 03-00247-00-BR
KANE COUNTY
STRUCTURE NO. 045-6008

DATE 7-28-2006

COMPANY NAME, ETC. FILE
DESIGN AGENCY PROJECT CONTACT
CLIENT AGENCY
PLOT SCALE PM
N:\Data\aurora\2005\05068\dgn\se phase 2 kane bridge-str pl dur\struct\structure\se1 bridge\str05068-SE27-R56.dgn