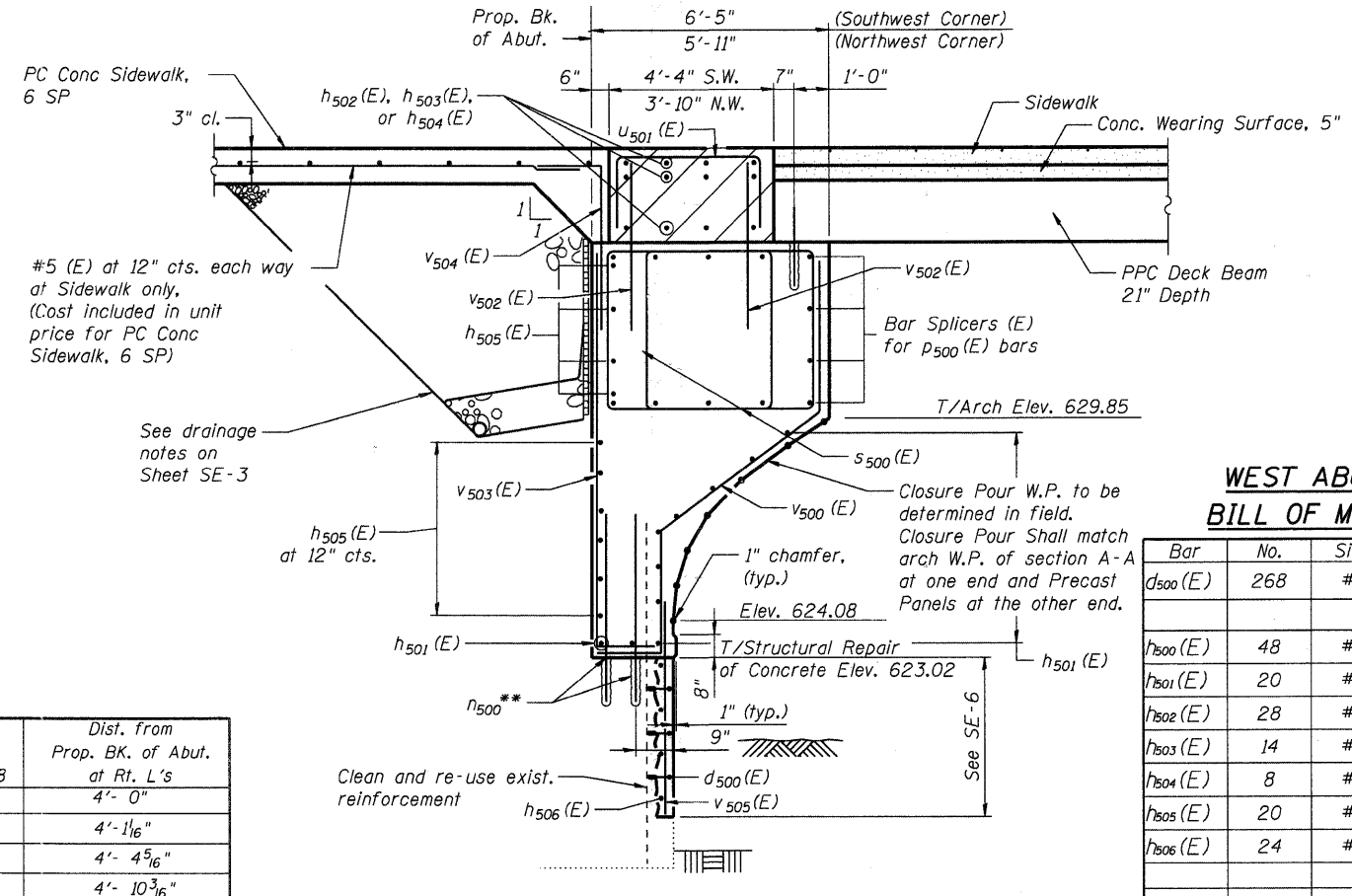


SECTION A-A THRU ABUTMENT
Horizontal Dimensions at Rt. L's



SECTION B-B THRU ABUTMENT
Horizontal Dimensions at Rt. L's

W.P. Height from Elev. 624.08	Dist. from Prop. BK. of Abut. at Rt. L's
0"	4'-0"
1'-0"	4'-1 1/16"
2'-0"	4'-4 5/16"
3'-0"	4'-10 3/16"
4'-0"	5'-7 13/16"
5'-0"	6'-10 13/16"
5'-9 15/16"	8'-2 1/8"

Notes:
 ** = Drill and grout into existing concrete in conformance with Article 509.06 and furnish adhesive in conformance with Article 1027.01. The cost of drilling, cleaning and furnishing the adhesive shall be included under the contract unit price for "Reinforcement Bars" and will not be paid for separately. Follow the approved manufacturer's instructions except that the following minimum hole sizes and adhesive embedment lengths shall govern if the manufacturer calls for less:

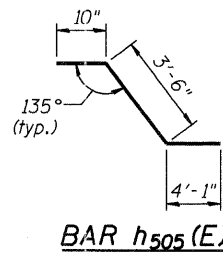
Rebar Size	Min. Hole Size	Min. Adhesive Embedment
#8	1 1/8" Dia. X 12" deep	10 1/2"
#5	3/4" Dia. X 7 1/2" deep	6 1/2"

For #8 bars at existing buttress locations:

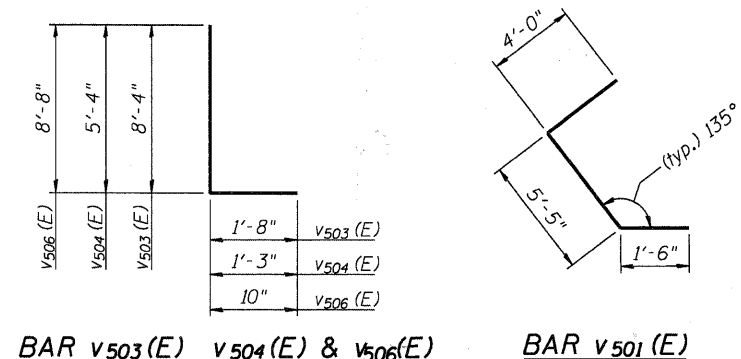
Exact layout and spacing of #8 n501 Bars will be adjusted by Engineer based upon field conditions uncovered after the back of the existing abutment is excavated. The same configuration and number of anchored rebars is anticipated with spacing and distribution modified to fit existing conditions.

See Roadway Plan and Profile and Intersection Details for limits of Conc. Sidewalk, 6 SP. Reinforcement shall be included from back of abutment to 14'-0" from back of abutment or first joint if shown in plan.

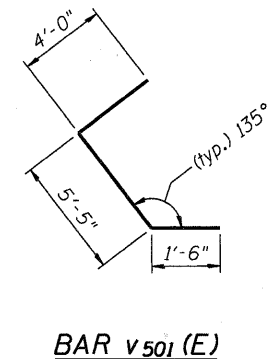
See pouring sequence notes on previous sheet.



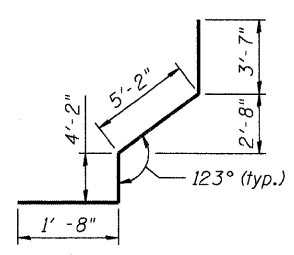
BAR h505(E)



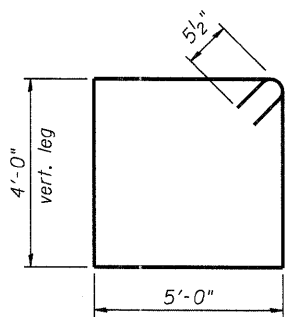
BAR v503(E), v504(E) & v506(E)



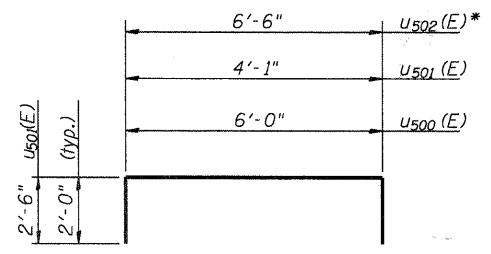
BAR v501(E)



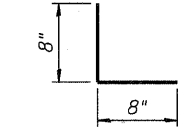
BAR v500(E)



BARS s500(E)



BAR u500(E), u501(E), & u502(E)



BAR d500(E)

* = bend to fit skew

**WEST ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
d500(E)	268	#4	1'-4"	L
h500(E)	48	#5	18'-9"	—
h501(E)	20	#5	6'-5"	—
h502(E)	28	#5	33'-3"	—
h503(E)	14	#5	10'-4"	—
h504(E)	8	#5	5'-3"	—
h505(E)	20	#5	8'-5"	~
h506(E)	24	#5	23'-3"	—
h500	88	#5	1'-10"	—
h501	42	#8	4'-10"	—
D500(E)	54	#7	19'-7"	—
S500(E)	130	#5	18'-11"	□
U500(E)	55	#5	10'-0"	┌┐
U501(E)	10	#5	9'-1"	┌┐
U502(E)	12	#5	10'-6"	┌┐
V500(E)	65	#5	14'-7"	┌┐
V501(E)	48	#5	10'-11"	<
V502(E)	130	#5	4'-3"	—
V503(E)	16	#5	10'-0"	L
V504(E)	65	#5	6'-7"	L
V505(E)	65	#5	8'-8"	—
V506(E)	6	#5	9'-6"	L
Structure Excavation		Cu. Yd.	135.0	
Cofferdam Excavation		Cu. Yd.	82.5	
Cofferdam (Location - 4)		Each	1	
Concrete Structures		Cu. Yd.	177.0	
Concrete Superstructure		Cu. Yd.	35.2	
Reinforcement Bars		Pound	710	
Reinforcement Bars, Epoxy Coated		Pound	12,140	
Bar Splicers		Each	62	
Concrete Sealer		Sq. Ft.	102	

For details of Bar Splicers, see sheet SE-43

HRGreen
 COMPANY NAME: HRGreen
 PROJECT CONTACT: Jeffery C. Herding
 CLIENT: City of Aurora
 DATE PLOTTED: 7/26/2011 11:05:54 AM
 FILE NAME: 86090412-E-WAB-1001.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: Struct 22x34.tbl



USER NAME = whood	DESIGNED - JMW	REVISED -
PLOT SCALE = N.T.S.	CHECKED - RGD	REVISED -
PLOT DATE = 7/26/2011	DRAWN - WJH	REVISED -
	CHECKED -	REVISED -

**CITY OF AURORA
 DOWNER PLACE OVER THE EAST BRANCH
 OF THE FOX RIVER**

**WEST ABUTMENT DETAILS
 STRUCTURE NO. 045-6005**
 SHEET NO. SE-31 OF SE-45 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00264-00-BR	KANE	164	131
			CONTRACT NO.	63620
ILLINOIS FED. AID PROJECT				