

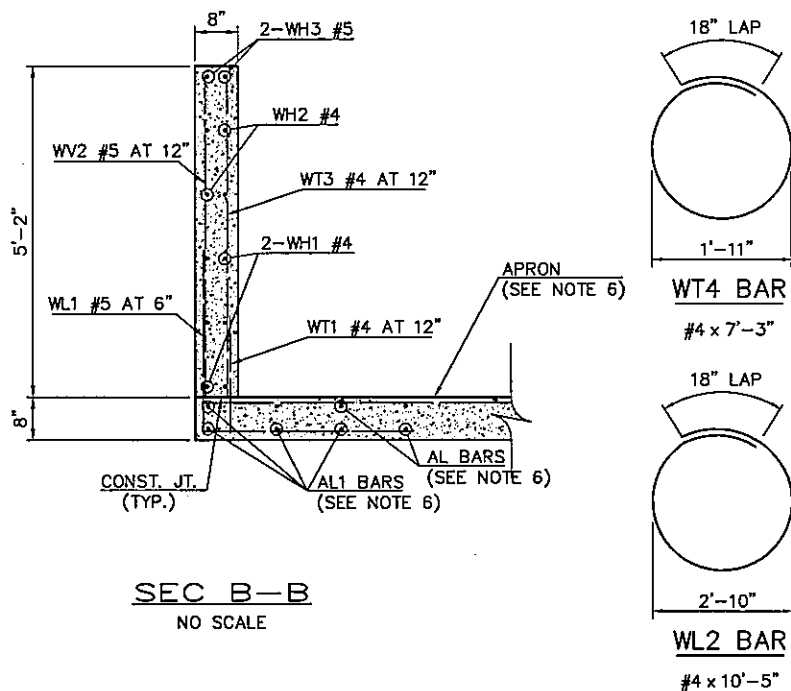
STRUCTURE N3 PLAN
STA. 3260+34.37, 209.50' RT CRL US 69
NO SCALE

GENERAL NOTES:

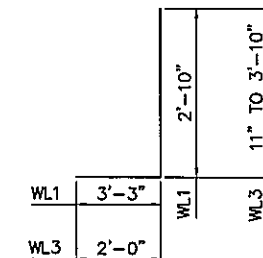
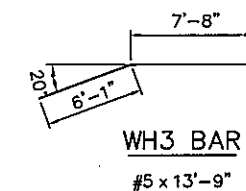
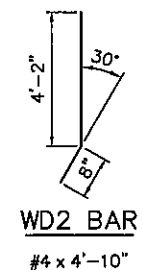
1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
2. ALL CONCRETE EDGES SHALL HAVE A 3/4" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.
3. ALL REINFORCING STEEL SHALL HAVE A 2" MINIMUM CLEAR COVER UNLESS OTHERWISE SHOWN.
4. ROUGHEN SURFACE AT ALL CONSTRUCTION JOINTS.
5. SEE BRIDGE STANDARD RCB-C1-10(2-14) FOR DETAILS OF 10'X3' RCB.
6. SEE BRIDGE STANDARDS RCB-E1-H3-30-1, RCB-E1-H3-30-2, AND RCB-E1-H3-30-3 FOR END SECTION DETAILS OF END CONNECTION, HEADWALL, APRON, AND LONG WINGWALL. THE ONLY MODIFICATIONS TO THESE STANDARDS ARE AS SHOWN HERE AND APPLY ONLY TO THE SHORT WINGWALL.
7. SEE BRIDGE STANDARD RCB-CW1-D4-30 FOR CURTAIN WALL DETAILS.

DESIGN DATA:

1. DESIGNED IN ACCORDANCE WITH 2007 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND INTERIM SPECIFICATIONS FROM 2008.
2. DESIGNED FOR HL-93 LOADING AND OVERLOAD TRUCK.
3. MATERIALS:
CONCRETE (CLASS AA) F'C = 4 KSI
REINFORCING STEEL FY = 60 KSI



SEC B-B
NO SCALE

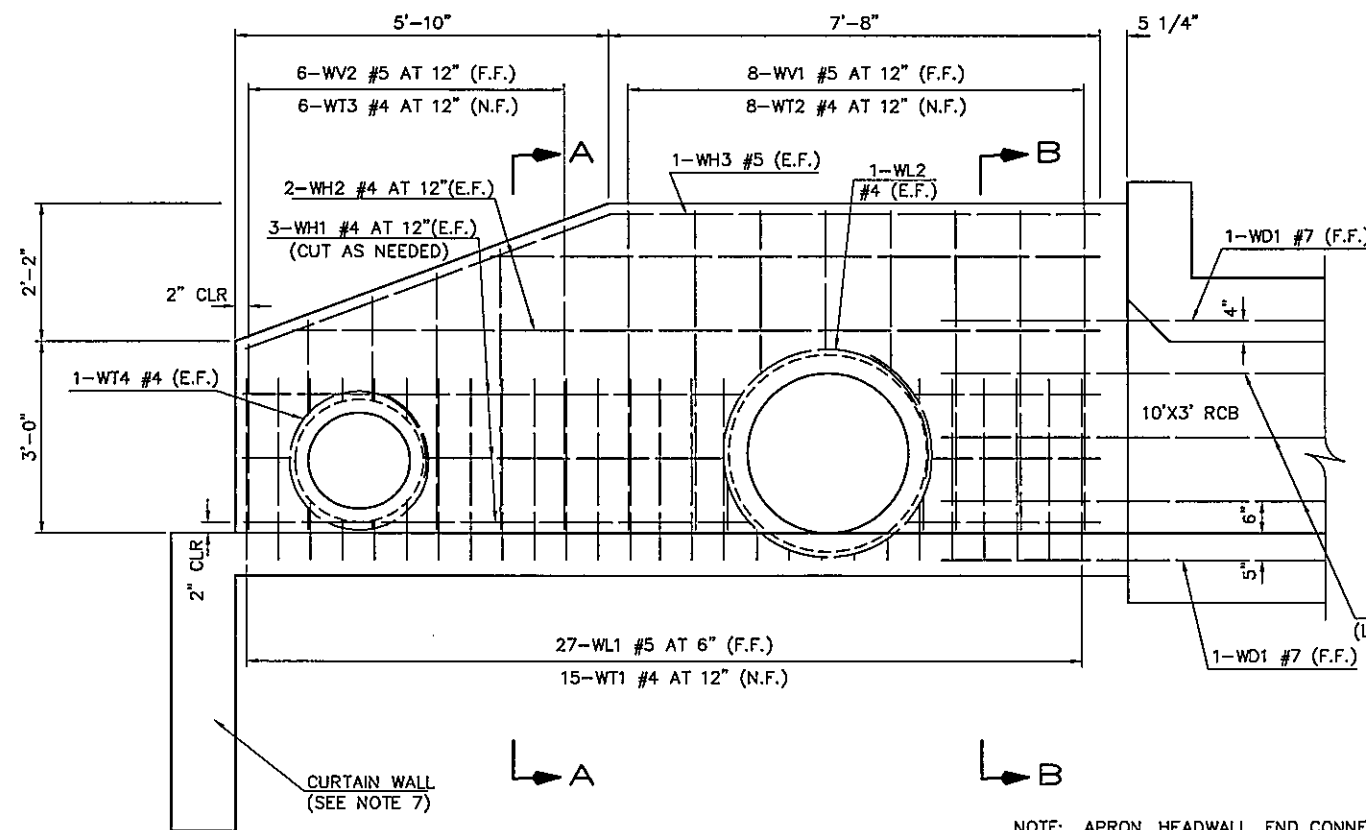


WL BAR
WL1 #5 x 6'-1"
WL3 #5 x 4'-4 1/2" AVG.

WINGWALL BAR LIST
(LONG AND SHORT WING INCLUDED)

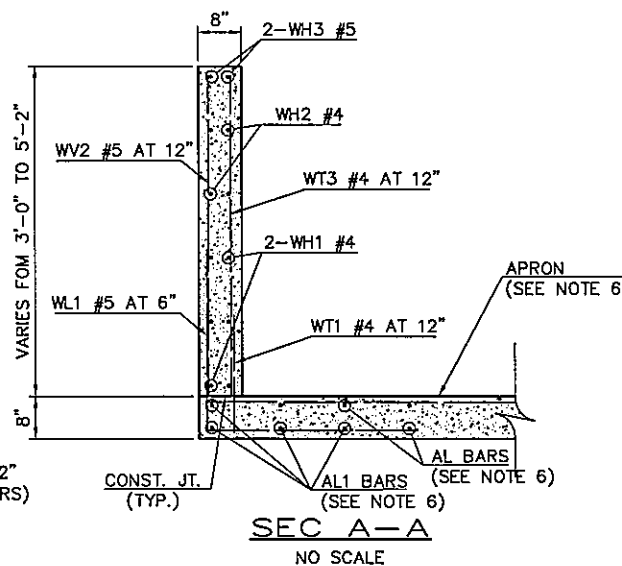
MARK	SIZE	QTY.	FORM	LENGTH	REMARKS
WD1	#7	10	BNT	8'-4"	
WH1	#4	6	STR	13'-4"	
WH2	#4	4	STR	11'-0" AVG	2x 12'-7" AND 2x 9'-5"
WH3	#5	2	BNT	13'-9"	
WH4	#4	2	STR	26'-3"	
WH5	#4	8	STR	13'-7 1/2" AVG	5'-5" TO 21'-10"
WH6	#5	2	STR	25'-8"	
WL1	#5	42	BNT	6'-1"	
WL2	#4	2	BNT	10'-5"	CHANGED BAR
WL3	#5	17	BNT	4'-4 1/2" AVG	2'-11" TO 5'-10"
WT1	#4	23	STR	2'-10"	
WT2	#4	11	STR	5'-0"	
WT3	#4	6	STR	3'-10" AVG	2'-11" TO 4'-9"
WT4	#4	2	BNT	7'-3"	CHANGED BAR
WT5	#4	8	STR	4'-3" AVG	3'-7" TO 4'-11"
WT6	#4	17	STR	2'-4 1/2" AVG	11" TO 3'-10"
WV1	#5	10	STR	5'-0"	
WV2	#5	6	STR	3'-10" AVG	2'-11" TO 4'-9"
WV3	#5	8	STR	4'-3" AVG	3'-7" TO 4'-11"
U1	#4	1	BNT	1'-10"	2'-11" TO 5'-10"

NOTE: WINGWALL BAR LIST ABOVE SHOULD REPLACE LIST SHOWN ON BRIDGE STANDARD RCB-E1-H3-30-3 TO REFLECT MODIFICATIONS TO THE SHORT WINGWALL DESIGN.



SHORT WING ELEVATION
NO SCALE

NOTE: APRON, HEADWALL, END CONNECTION, AND CURTAIN WALL REINFORCING STEEL NOT SHOWN FOR CLARITY. SEE GENERAL NOTES 6 AND 7.



SEC A-A
NO SCALE

ROADWAY PAY QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
508(A) 0319	CLASS AA CONCRETE	CY	73.82
511(A) 0332	REINFORCING STEEL	LB	12,930.00

NOTE: QUANTITIES ABOVE ARE FOR STRUCTURE N3, WHICH INCLUDE 41 LF OF 10'X3' RCB CULVERT, ONE END CONNECTION, ONE HEADWALL, ONE APRON, TWO WINGWALLS, AND ONE CURTAIN WALL.



Design	CKS	U.S. 69 - COMANCHE AVENUE	PITTSBURG COUNTY
Drawn	CKD		
Checked	CKE		
Approved			
Squad	C & K	JOB PIECE NO. 14998(04)	SHEET NO. 53

STRUCTURE N3 DETAILS