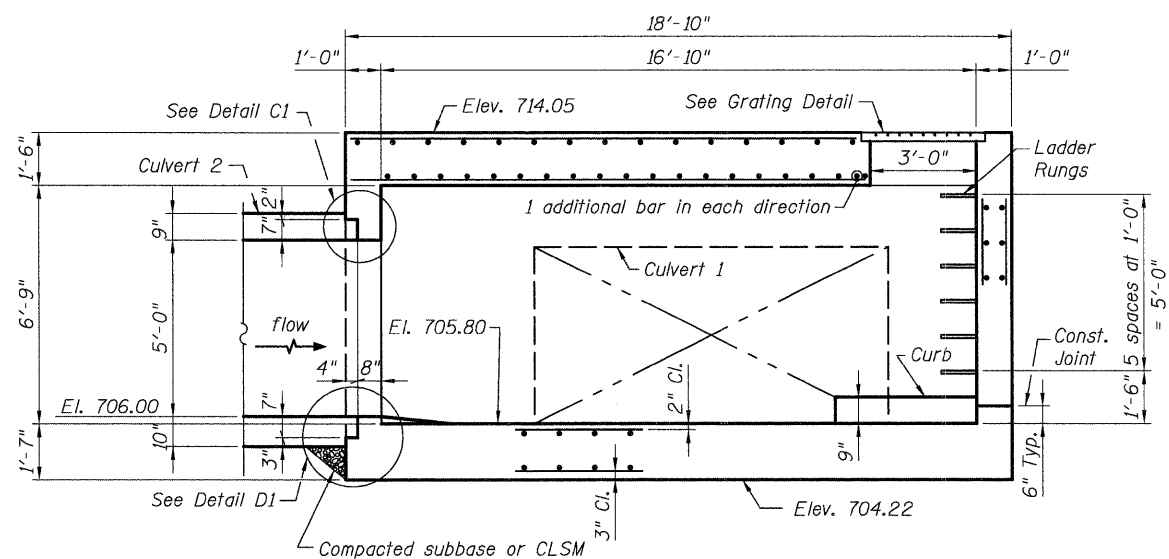
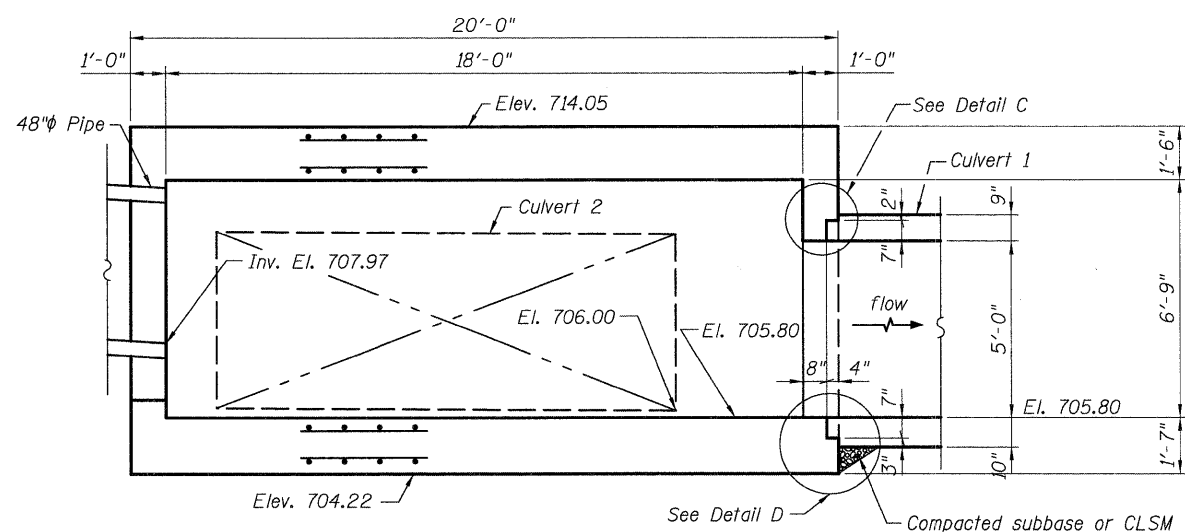


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

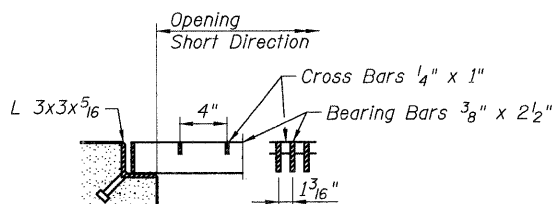


SECTION A-A



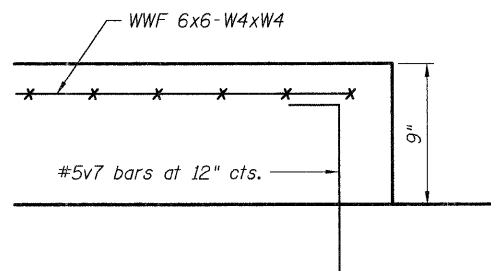
SECTION B-B

Note: All costs for compacted subbase, grating and frame, ladder rungs, welded wire fabric and all other appurtenances required to complete this work shall be included in the item "Junction Chamber."

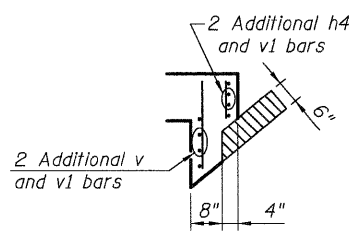


GRATING DETAIL

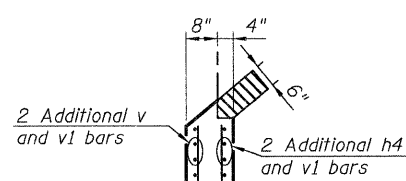
Grating plates, bars and angles shall conform to ASTM A36, galvanized in accordance with ASTM A123, or be fabricated from aluminum, conforming to ASTM B361-alloy 6061-T6. Aluminum surfaces in contact with concrete shall receive a heavy coat of bituminous paint or cold applied asphaltic mastic. Fastener shall consist of stainless steel, Type 304, or be zinc plated conforming to ASTM B633 for exterior use. Provide stainless steel fasteners for aluminum grating.



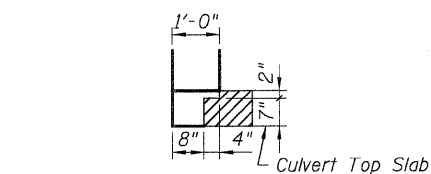
CURB DETAIL



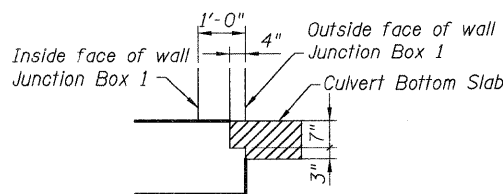
DETAIL A



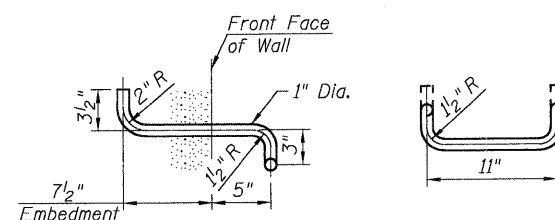
DETAIL B



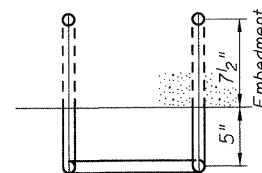
DETAIL C
DETAIL C1 - OPPOSITE HAND



DETAIL D
DETAIL D1 - OPPOSITE HAND



SIDE VIEW
FRONT VIEW
TYPE Z LADDER RUNG ELEVATIONS



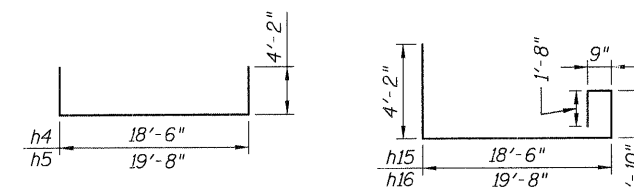
TYPE Z LADDER RUNG PLAN

- The ladder rungs shall be aluminum, conforming to ASTM B361-Alloy 6061-T6 or shall be ductile iron. Aluminum ladder rungs shall receive a heavy coat of bituminous paint or cold applied asphaltic mastic for the portion embedded in concrete. The coating must extend beyond the embedment at least two inches.
- The contractor may submit an alternative ladder rung detail for Engineer's approval.

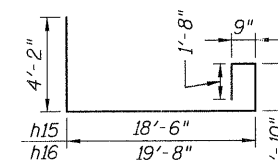
*Quantities are included in Pay Item "Junction Chamber". Contractor will not be compensated additionally for these items.

BILL OF MATERIAL

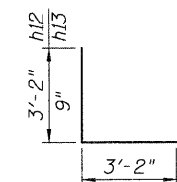
Bar	No.	Size	Length	Shape
h	47	#9	18'-6"	—
h1	52	#5	18'-6"	—
h2	44	#9	19'-8"	—
h3	48	#5	19'-8"	—
h4	14	#5	26'-10"	—
h5	14	#5	28'-0"	—
h6	5	#5	5'-0"	—
h7	5	#5	4'-6"	—
h8	5	#5	3'-2"	—
h9	5	#5	2'-8"	—
h10	5	#5	4'-3"	—
h11	5	#5	4'-7"	—
h12	39	#5	6'-4"	—
h13	5	#5	3'-11"	—
h14	5	#5	2'-0"	—
h15	11	#5	26'-11"	—
h16	10	#5	28'-1"	—
h17	2	#5	4'-0"	—
h18	4	#9	14'-6"	—
h19	5	#9	16'-2"	—
v	61	#5	6'-6"	—
v1	138	#5	7'-5"	—
v2	22	#5	6'-0"	—
v3	10	#5	2'-5"	—
v4	10	#5	2'-11"	—
v5	11	#5	2'-0"	—
v6	11	#5	2'-8"	—
v7	13	#5	2'-9"	—
Junction Chamber No. 1	Each		1	
*Concrete Box Culverts	Cu. Yd.		57	
*Reinforcement Bars	Pound		11,960	
*Structure Excavation	Cu. Yd.		55	
Rock Excavation	Cu. Yd.		144	



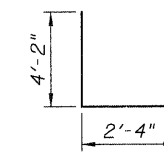
BARS h4 & h5



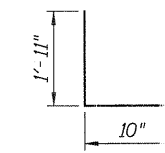
BARS h15 & h16



BARS h12 & h13



BAR v



BAR v7

JUNCTION CHAMBER NO. 1
PLANS AND ELEVATIONS
STRUCTURE NO. 045-2039

DESIGNED	200
CHECKED	EXAMINED
DRAWN	ENGINEER OF BRIDGE DESIGN
CHECKED	PASSED
	ENGINEER OF BRIDGES AND STRUCTURES

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street
Chicago, Illinois 60601
(312) 946-8600

SHEET NO. BC07	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	361	06-00214-02-BR	KANE	219	125
BC09 SHEETS	SN 045-2039		CONTRACT NO. 63073		
	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				