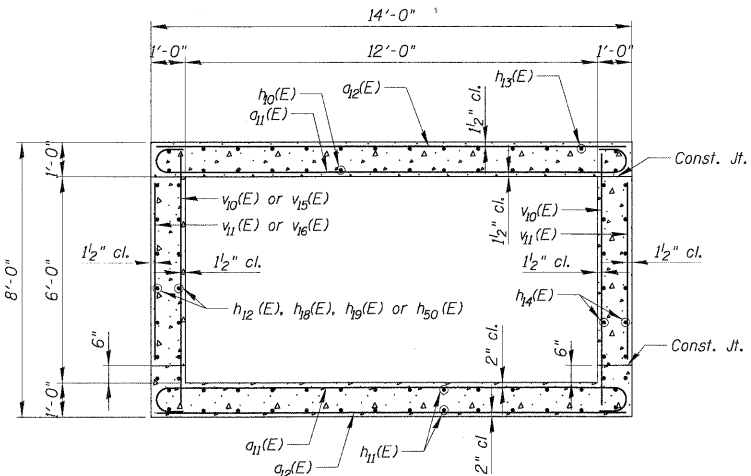


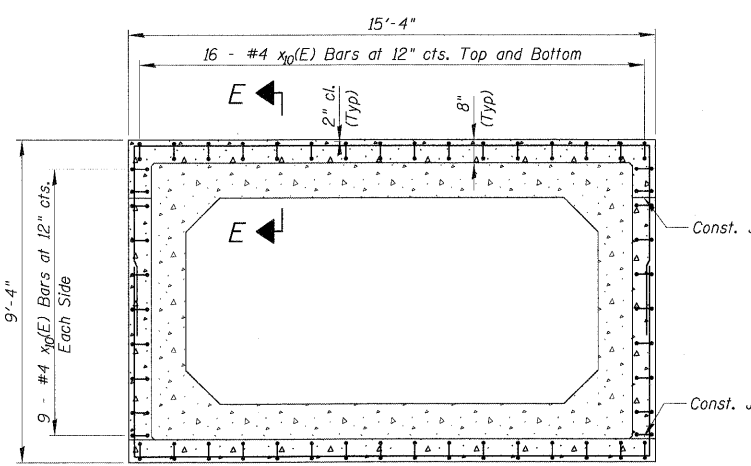
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIAL
SOUTH END SECTION

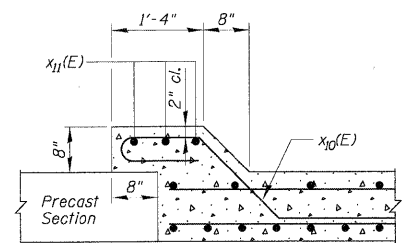
Bar	No.	Size	Length	Shape
q1(E)	30	#8	15'-6"	
q2(E)	16	#4	13'-8"	
q3(E)	4	#4	15'-10"	
q4(E)	8	#4	7'-0"	
q10(E)	25	#4	5'-6"	
h10(E)	7	#6	14'-6"	
h11(E)	14	#5	14'-6"	
h12(E)	8	#5	10'-10"	
h13(E)	7	#4	14'-6"	
h14(E)	14	#5	3'-2"	
h15(E)	2	#6	15'-10"	
h16(E)	6	#8	15'-10"	
h18(E)	6	#5	2'-0"	
h19(E)	6	#5	4'-9"	
h20(E)	17	#4	13'-6"	
h21(E)	17	#4	7'-9"	
h50(E)	8	#5	8'-6"	
h51(E)	16	#5	4'-0"	
n20(E)	30	#6	5'-2"	
q10(E)	22	#4	5'-1"	
t20(E)	48	#4	5'-11"	
v10(E)	21	#4	7'-8"	
v11(E)	16	#4	5'-2"	
v12(E)	4	#4	11'-5"	
v15(E)	6	#4	2'-10"	
v16(E)	4	#4	1'-10"	
v20(E)	10	#4	16'-3"	
v21(E)	5	#4	16'-5"	
v22(E)	6	#4	16'-1"	
v23(E)	3	#4	16'-5"	
w20(E)	14	#4	13'-3"	
w21(E)	14	#4	7'-6"	
x10(E)	50	#4	6'-3"	
x11(E)	6	#4	26'-0"	
Concrete Structures			Cu. Yd.	29.2
Reinforcement Bars, Epoxy Coated			Pound	4,320



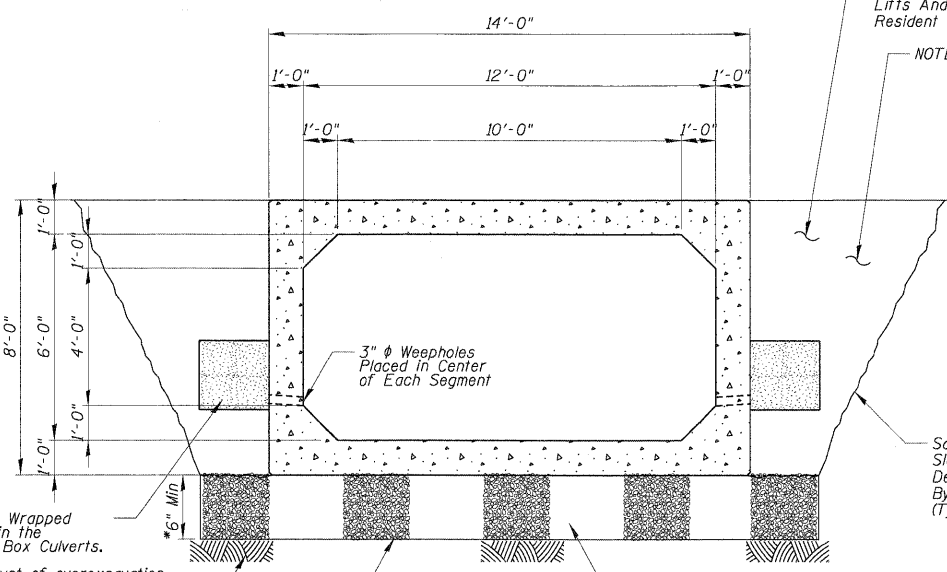
SECTION B-B
TYPICAL SECTION THRU
SOUTH CAST-IN-PLACE END SECTION



SECTION C-C
TYPICAL SECTION THRU PRECAST TO
CAST-IN-PLACE CONNECTION COLLAR
(Typical For Both End Sections)



SECTION E-E
TYPICAL SECTION THRU PRECAST TO
CAST-IN-PLACE CONNECTION COLLAR
(Typical For Both End Sections)



SECTION D-D
TYPICAL SECTION THRU PRECAST CULVERT

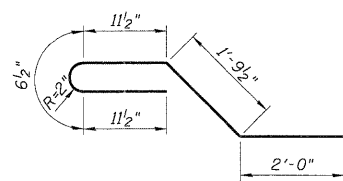
Granular Material Wrapped
Fabric Included In The
Cast Concrete Box Culverts.
* The amount of overexcavation
required shall be determined
by a geotechnical engineer.
Subgrade Prepared In Accordance
With Article 301.03 Of The Standard
Specifications

Backfill Material Shall Be Placed In
Lifts And Compacted To The
Resident Engineer's Satisfaction.
NOTE: Excavation And Removal of
Soil For Box Culverts Shall
Not Be Paid For Separately,
But Shall Be Included In
Cost of Precast Concrete
Box Culverts.
(Section 540.06 Standard
Specifications)

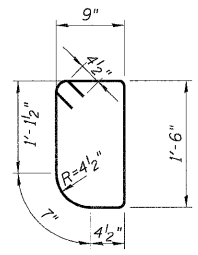
Overexcavation Below the Culvert And Replacement of Granular
Material Is Required To Achieve The Required Bearing Pressure.
These Items Will Be Paid For At The Contract Unit Prices
For Removal and Disposal of Unsuitable Materials, Porous
Granular Embankment And Geotechnical Fabric For
Ground Stabilization.) However, the first 6" of material
below the culvert shall not be paid for separately, but shall
be included in the cost of Precast Concrete Box Culverts.

Compacted Granular Embankment

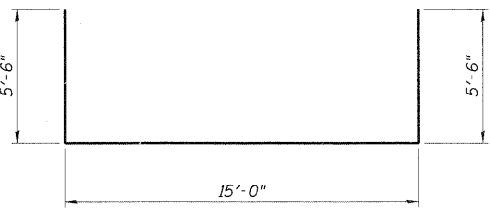
Safe Excavation
Slope As
Determined
By Contractor
(Typ.)



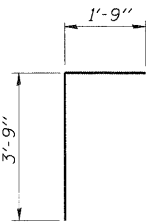
BAR x10(E)



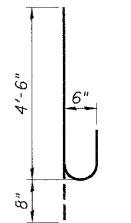
BAR s10(E)



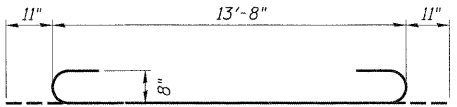
BAR x11(E)



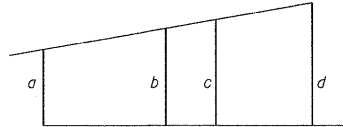
BAR d10(E)



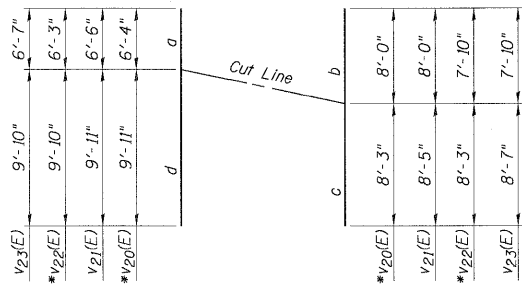
BAR n20(E)



BAR q11(E)



PLACING DIAGRAM



CUTTING DIAGRAM

*Discard The Shortest Piece.

NOTES

Reinforcement bars shall conform to the
requirements of ASTM A 706 Gr 60.

Reinforcement bars designated (E) shall
be epoxy coated.

E.F. = Each Face
I.F. = Inside Face
O.F. = Outside Face
F.F. = Front Face
B.F. = Back Face

SOUTH END SECTION
EDGEWOOD DRIVE OVER
RATT CREEK TRIBUTARY
F.A.U. RTE. 4010
SECTION 09-00078-00-WR
MCHENRY COUNTY
STA. 129+49.07

DESIGNED -	200
CHECKED -	
DRAWN -	
CHECKED -	

EXAMINED	ENGINEER OF BRIDGE DESIGN
PASSED	ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S-3	4010	09-00078-00-WR	MCHENRY	128	82
CONTRACT NO. 63655					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					