B.M. = Square cut in top West headwall 17 ft. left Sta. 10+33 Elev. 467.75 (St. Rose road)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

					SHEET NO. 1
					12 SHEETS
	FAP 327/690	CLINTON	13	9	

ELEVATION

SEC. A-A

SEC. B-B

PLAN

PROFILE F.A.409

PROFILE C.H. 14

LOCATION PLAN

NAME PLATE
Standard 2113-1

DESIGN STRESSES:
f'c.....1,200 psi. - Deck slab, spans 2 and 3
f'c.....1,400 psi. - Deck slab, spans 1 and 4 (curb, parapet and sub.)
fs.....17,000 psi. - Struct. Steel & reinf.
vc.....70 psi. - Footings
E Deflection Mod. - Composite
Future W.S. = 594
n = 10

LOADING: H 20-44

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

Connections shall be bolted using high strength bolts. Bolts 7/8" dia. open holes 15/16" unless otherwise noted.

The basic lead silica chromate paint system shall be used for shop and field painting of Structural Steel.

Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding to other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before fastening diaphragms over supports.

Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 38 lbs. per 100 sq. ft.

The Contractor shall drive one steel test pile (10 HP 42) in a permanent location at the South abutment, as directed by the Engineer before ordering the remainder of piles.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X concrete, except the aggregate shall conform to the requirements of handrail concrete.

Calculated weight of structural steel 271,770 lbs.

TOTAL BILL OF MATERIAL

Concrete	Cu. yds.	334.0	611	945.1
Structural Excavation	Cu. yds.			Lump
Structural Backfill	Lump Sum			Lump
Pavement Scarifying	Sq. yds.	545		545
Reinforcement Bars	Lbs.	90,690	11,340	102,030
Steel Piles (Furnish)	Lin. ft.		1,806	1,806
Test Piles, Steel (Furnish)	Each		1	1
Bearing Piles	Each		1	1
Slope Wall	Sq. yds.			467
Protective Coat	Sq. yds.	1,811		1,811
Bridge Steel (Furnish)	Lump Sum		1	1
Bridge Steel (Erect)	Lump Sum		1	1
Metal Shear Connectors	Each	1,950	194	194
				1,950

*50% to each abutment

LOCATION 1
SN 014-0054
NO SCALE

FILE NAME = c:\pw_work\pwidot\challandeske\d0287812\	USER NAME = challandeske	DESIGNED -	REVISED -
	D876F43-sht-existbdgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/28/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS – SN 014-0054

SCALE: NONE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327/690	14-14HB-P, 14-12BR-P	CLINTON	12	5
		CONTRACT NO. 76F43		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		