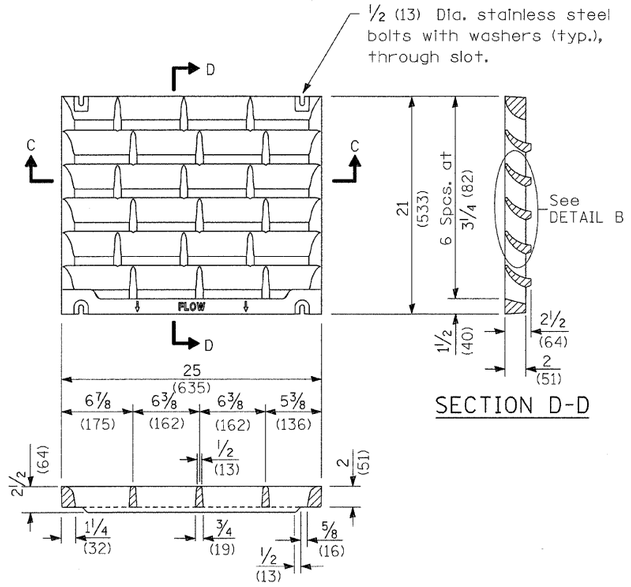
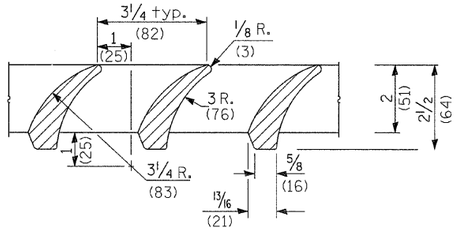
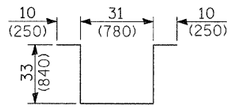


SECTION C-C

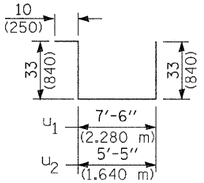
SECTION D-D



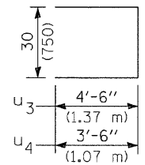
DETAIL B



BAR u



BARS u_1, u_2



Bars u_3, u_4

INLET BOX

REQUIRED MATERIAL

TYPE F

Bar	Qty.	Size	Length
u	8	No. 4 (No. 13)	9'-9" (2.96 m)
u_1	3	No. 4 (No. 13)	13'-10" (4.21 m)
u_3	6	No. 4 (No. 13)	11'-6" (3.49 m)
Concrete		cu. yds. (m^3)	1.7 (1.3)
Reinf. bars		lbs. (kg)	126 (57.2)
Grating		sq. ft. (m^2)	10.9 (1.02)

TYPE E

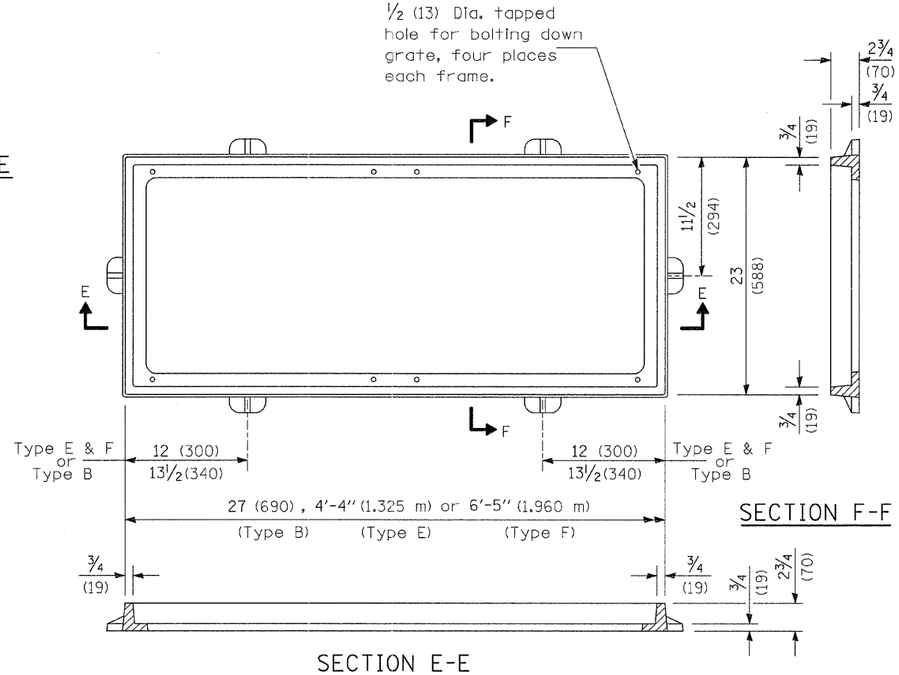
Bar	Qty.	Size	Length
u	6	No. 4 (No. 13)	9'-9" (2.96 m)
u_2	3	No. 4 (No. 13)	11'-9" (3.57 m)
u_4	6	No. 4 (No. 13)	9'-6" (2.89 m)
Concrete		cu. yds. (m^3)	1.3 (1.0)
Reinf. bars		lbs. (kg)	101 (45.8)
Grating		sq. ft. (m^2)	7.3 (0.68)

TYPE B

Bar	Qty.	Size	Length
u	6	No. 4 (No. 13)	8'-5" (2.550 m)
u_2	3	No. 4 (No. 13)	8'-0" (2.425 m)
u_4	6	No. 4 (No. 13)	6'-2" (1.870 m)
Concrete		cu. yds. (m^3)	0.5 (0.4)
Reinf. bars		lbs. (kg)	55.0 (25.0)
Grating		sq. ft. (m^2)	3.6 (0.34)

DETAIL OF CAST GRATE

Type B requires 1 grate
Type E requires 2 grates
Type F requires 3 grates



SECTION F-F

SECTION E-E

DETAIL OF CAST FRAME
(Type C shown)

SHOULDER INLET WITH CURB

(Sheet 2 of 2)

FILE NAME = 090039-sht-shoulder-inlet.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -
		DRAWN - T.W.K.	REVISED -
	PLOT SCALE =	CHECKED - J.W.F.	REVISED -
	PLOT DATE = 2/22/2011	DATE - 06/08/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELR

SHOULDER INLET WITH CURB DETAIL

SCALE: | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	102B-1	HAMILTON	52	15
		CONTRACT NO. 78067		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		