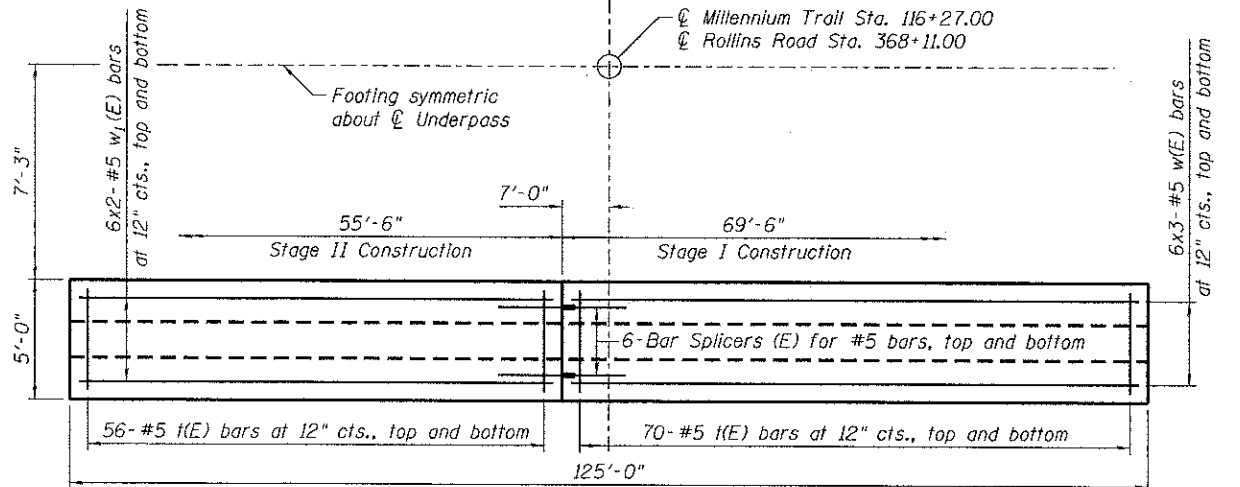
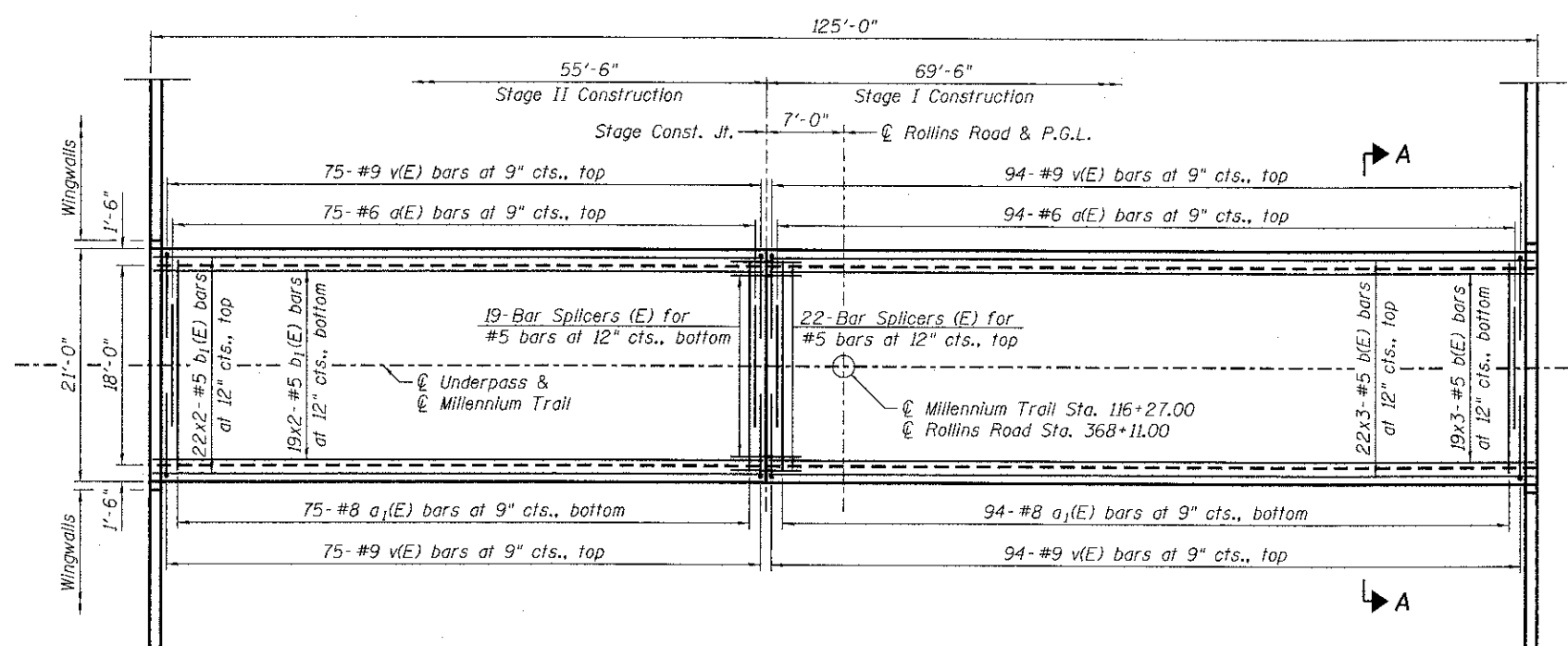


SECTION A-A
(Structure symmetric about ϕ Underpass)

Note: * To be placed between Sta. 115+50 and Sta. 117+00.

Note:
 Maximum factored net bearing pressure = 2,700 psf
 Maximum factored bearing resistance available = 4,500 psf
 Maximum net allowable bearing resistance = 3,000 psf



Notes:

- See sheet S-4 for Bill of Materials and Bar Dimensions.
- See sheets S-5 & S-6 for pipe underdrain invert elevations and sheet S-7 for Pipe Underdrain Detail.
- See sheet S-8 for Architectural Details.
- Impervious clay layer to be placed full height of tunnel at location shown above. Cost included with Structure Excavation, Special.

MIN. BAR LAP

Bar Size	Class C
#4	2'-7"
#5	3'-3"
#6	3'-10"
#7	5'-2"
#8	6'-9"
#9	8'-7"

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 User: rdanley



USER NAME = rdanley	DESIGNED - SMY	REVISED -
PLOT SCALE = 8.0/0.000 1" = 10'	CHECKED - MHT	REVISED -
PLOT DATE = 4/8/2013	DRAWN - SRG	REVISED -
	CHECKED - BWS	REVISED -

**MILLENNIUM TRAIL
LAKE COUNTY FOREST PRESERVES**

**UNDERPASS PLAN AND ELEVATION
STRUCTURE NO. 049-N008**

SHEET NO. S-3 OF S-12 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	12-F3000-01-BT	LAKE	118	52
CONTRACT NO. 63807				
ILLINOIS FED. AID PROJECT				