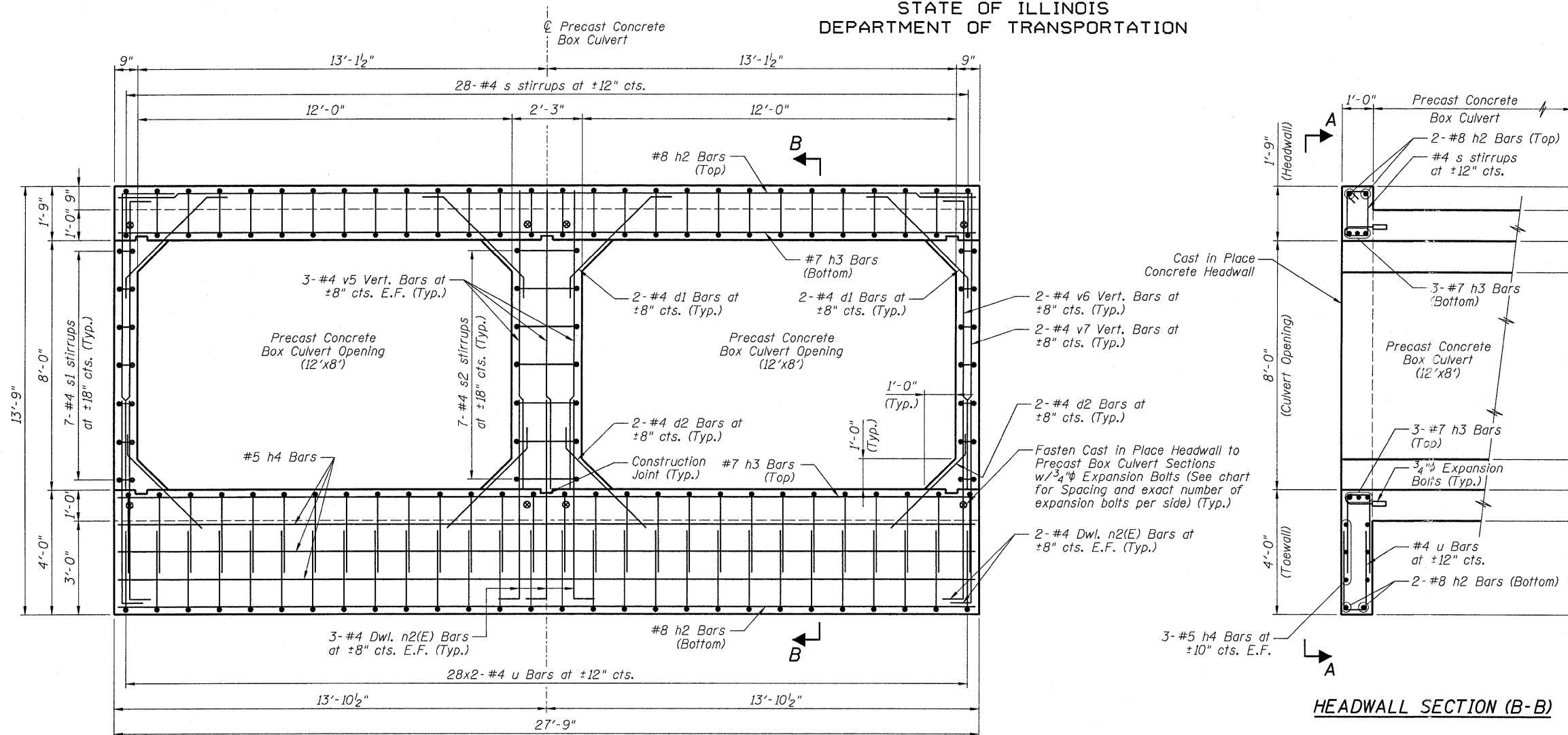


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. S3 S4 SHEETS
F.A.P. 798	*	FORD	92	46	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-			

* 107-BR,108-BR,108-BR-1 Contract # 66698

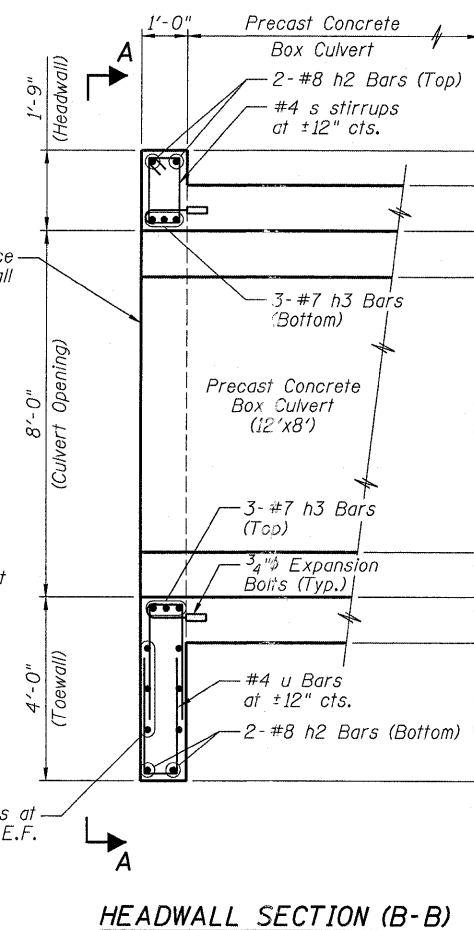


EXPANSION BOLT TABLE

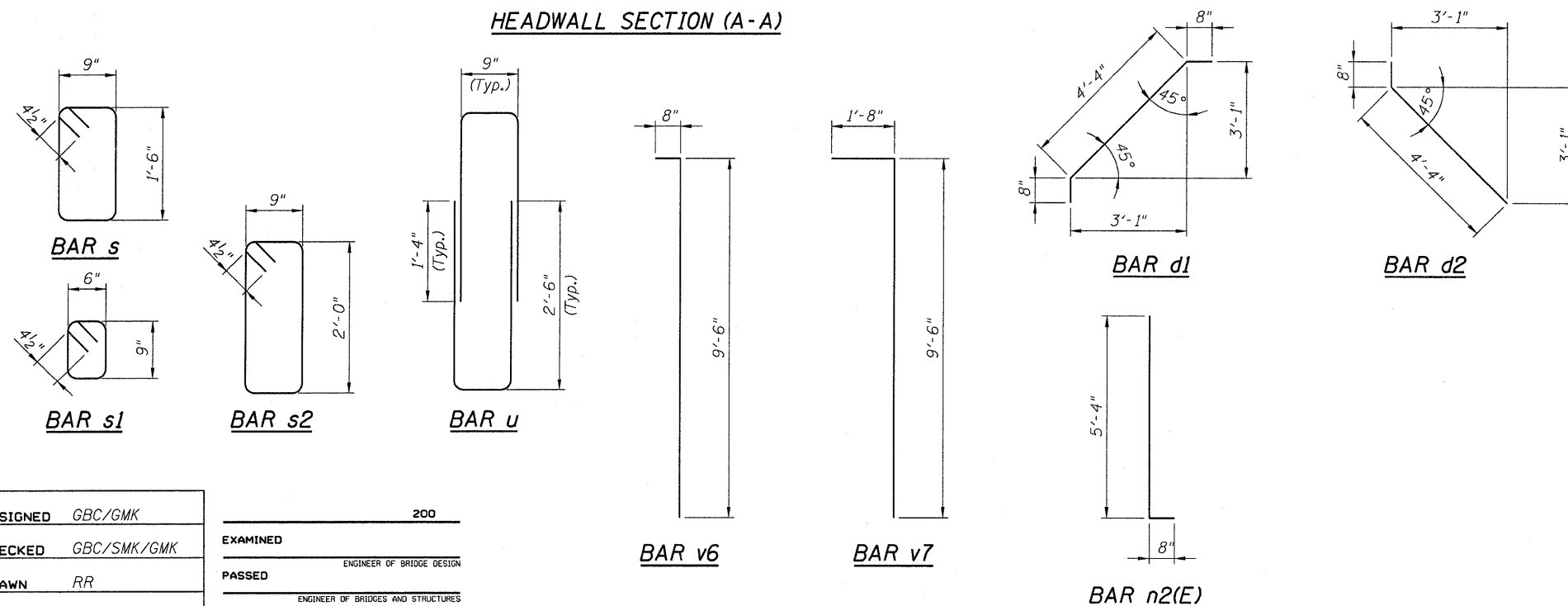
Clear Span or Clear Height	No. of $\frac{3}{4}$ " Expansion bolts Req'd per side	
	No. #	Spacing
8.0	6	17"
12.0	8	19"

Notes:

1. Use minimum of (1) one expansion bolt at each corner.
2. Total number of expansion bolts required = 112.
3. Expansion bolts shall be $\frac{3}{4}$ " hooked bolts. Hooked bolts shall extend a minimum of 9" into the new concrete. Precast concrete manufacturer shall provide holes in precast concrete box culvert for $\frac{3}{4}$ " expansion bolt inserts at specified locations.
4. Cost of $\frac{3}{4}$ " expansion bolts included with pay item for "Precast Concrete Box Culvert 12'x8'".



HEADWALL SECTION (A-A)



DESIGNED	GBC/GMK
CHECKED	GBC/SMK/GMK
DRAWN	RR
CHECKED	SMK

200	EXAMINED
	ENGINEER OF BRIDGE DESIGN
	PASSED
	ENGINEER OF BRIDGES AND STRUCTURES

HEADWALL SECTIONS AND DETAILS
ILLINOIS ROUTE 115 OVER DRAINAGE DITCH
F.A.P. ROUTE 798 - SECTION 108-BR-1
FORD COUNTY
STATION 265+74.96
EXISTING STRUCTURE NO. 027-0030
PROPOSED STRUCTURE NO. 027-2015
Scale: None August 2008