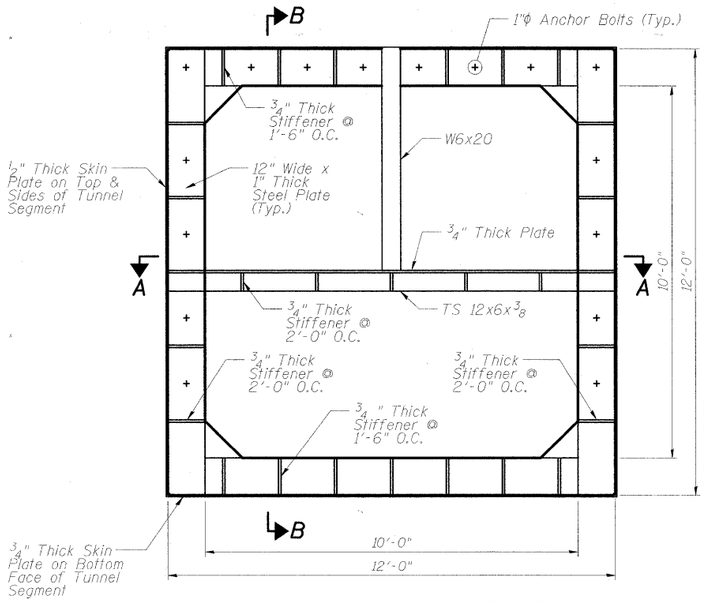
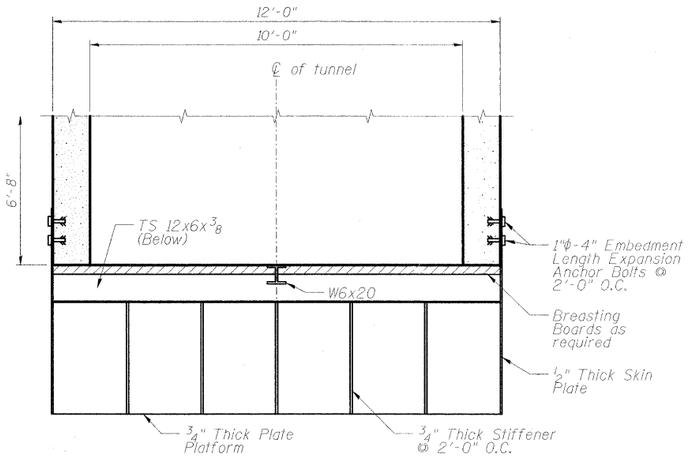
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



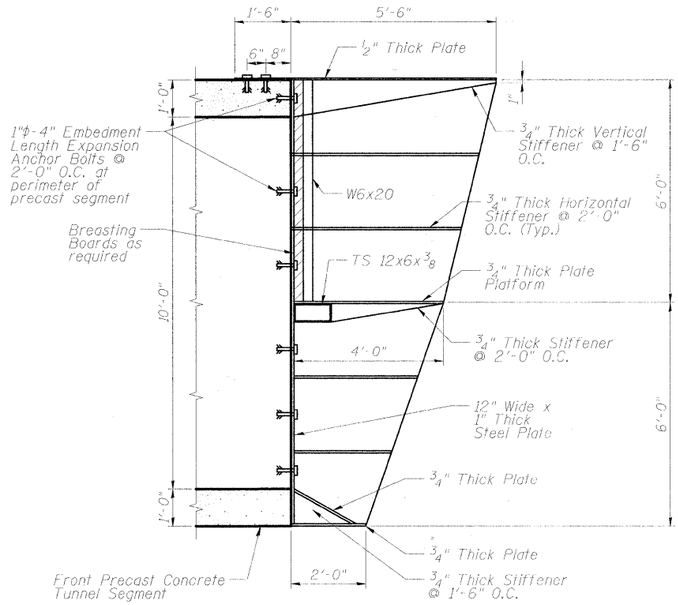
TUNNELING SHIELD FRONT VIEW

Scale: 1/2" = 1'-0"



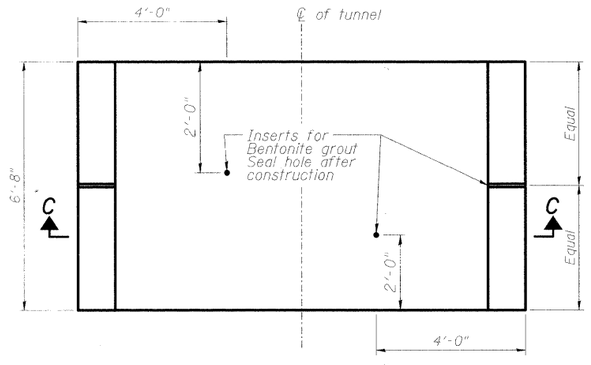
TUNNELING SHIELD SECTION A-A

Scale: 1/2" = 1'-0"



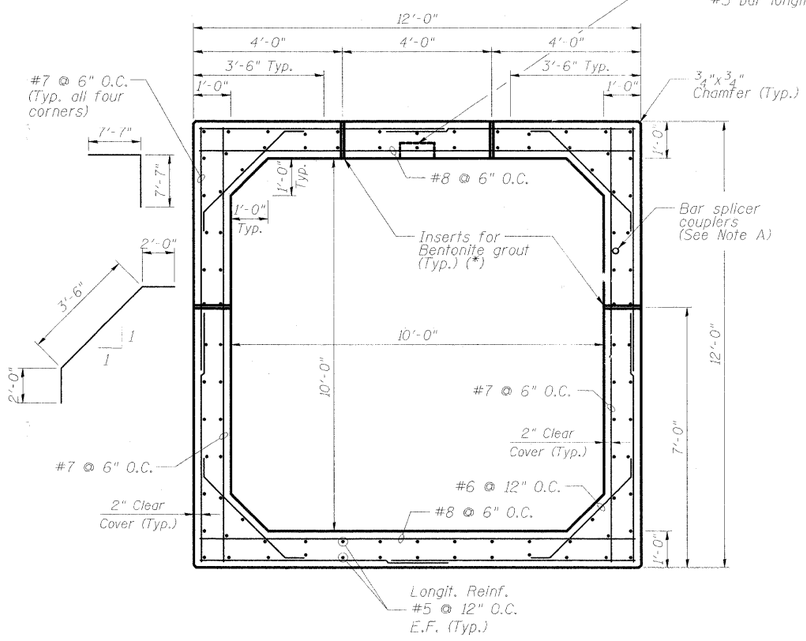
TUNNELING SHIELD SECTION B-B

Scale: 1/2" = 1'-0"



TYPICAL PRECAST CONCRETE TUNNEL SEGMENT PLAN

Scale: 1/2" = 1'-0"

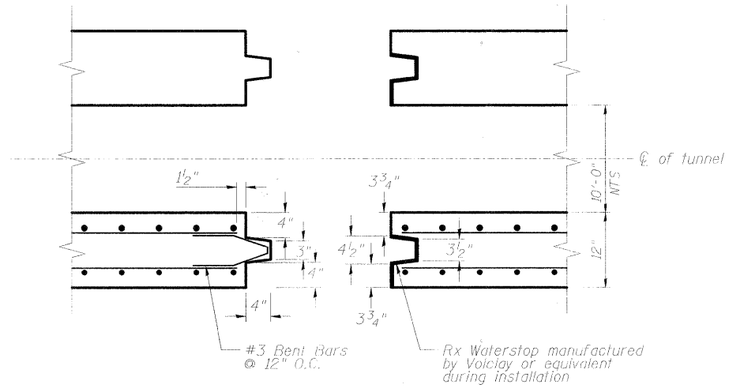


* Contractor should monitor the Bentonite flow so that the Bentonite does not come up to track level.

Note A: Provide bar splicer couplers for #5 bars at 12" cts in the top slab, sidewalls & bottom slab, in the outside face of east & west end sections only. (See Sheet S-9).

PRECAST CONCRETE TUNNEL SECTION C-C

Scale: 1/2" = 1'-0"



WALL JOINT DETAIL BETWEEN TWO TUNNEL SEGMENTS AROUND THE PERIMETER

Not to Scale

Notes:

Temporary [illegible] shown is [illegible]

It is the responsibility of the Contractor to design the tunneling shield system and submit the calculations and drawings to the Engineer for Approval. The calculations and drawings shall be sealed by a licensed Structural Engineer.

All Fillet Welds [illegible]

DESIGNED	KJH
CHECKED	BB
DRAWN	CJM
CHECKED	AWW

JACK TUNNEL DETAILS STRUCTURE NO. 049-6159

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601

SHEET NO.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
S-8	1257	08-00083-00-BT	LAKE	51
SHEETS S-25		SN 049-6159	CONTRACT NO. 63450	
	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	