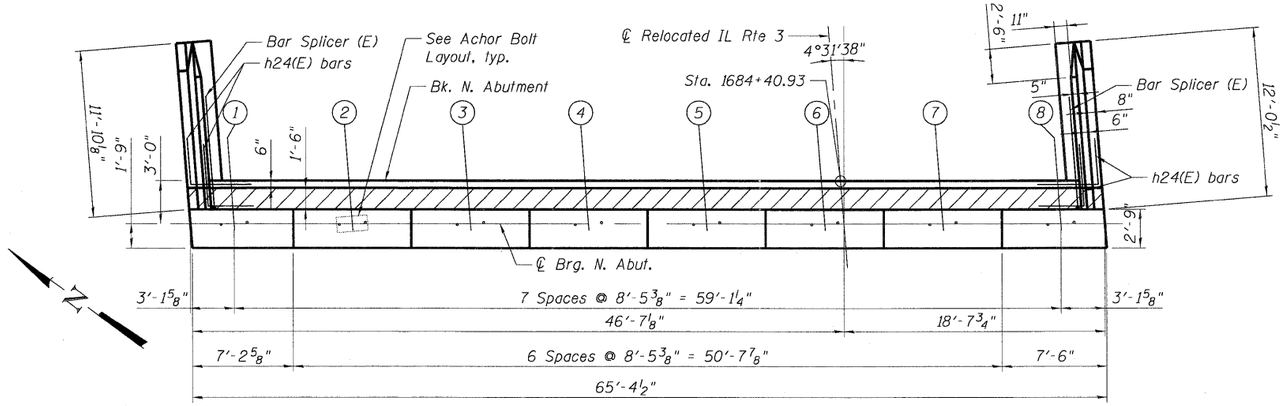
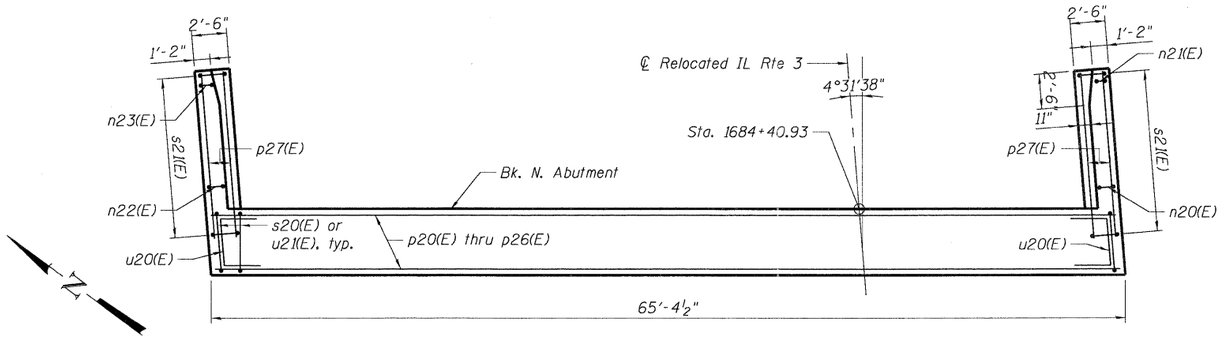
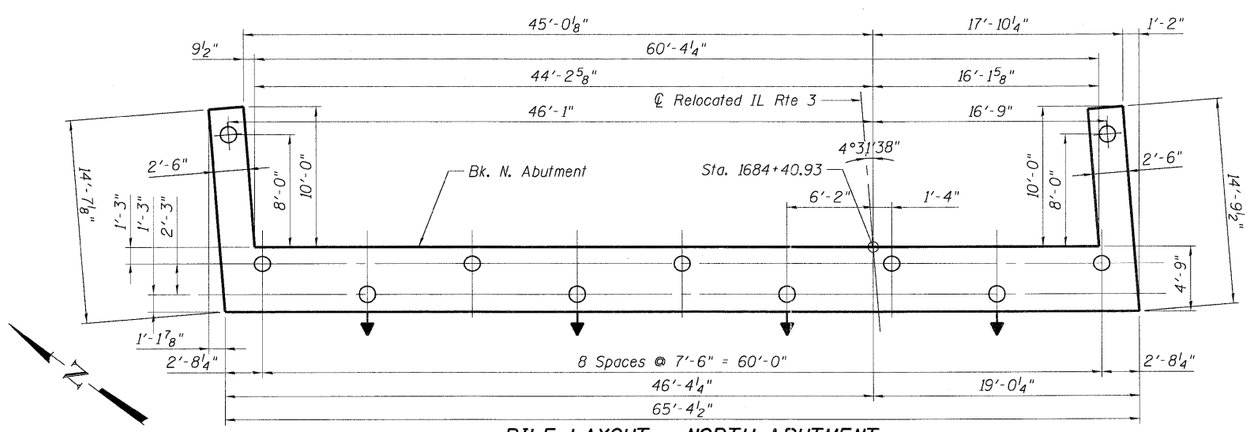


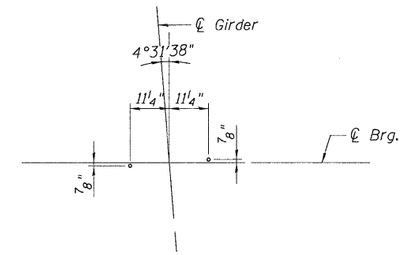
TOP VIEW



PLAN - NORTH ABUTMENT CAP



PILE LAYOUT - NORTH ABUTMENT



ANCHOR BOLT DETAIL

See Sht. SA-21 for Anchor Bolt size and spacing

BEARING SEAT ELEVATIONS

Girder	Elevations
1	437.11
2	437.30
3	437.49
4	437.68
5	437.87
6	438.05
7	437.96
8	437.81

PILE DATA

Type: MS14X0.25 Metal Shell Piles
Nominal Required Bearing: 413 kips/pile
Factored Resistance Available: 227 kips/pile
Est. Length: 101 ft
No. Production Piles: 10
No. Test Piles: 1

NOTES:

1. Hatched area of abutment backwall to be poured after superstructure forms have been removed. Quantity of concrete included with Concrete Superstructure.
2. For Anchor Bolt and Bearing details, see Sht. SA-21.
3. ➔ Indicates battered pile.
4. For details of piles, see Sht. SA-36.
5. Space reinforcement in cap to miss anchor bolts.
6. Pour steps monolithically with cap.

..\0820328-CONN-10-002-ABLDGN,..\0820318-CONN-99-001-BD.DGN
5-11-2011, 9:53:43 NEWMANMD \\FS-0244\APA\PAULT,D-TRANS.07-2202\20868 001\STRUCT\CADD\DESIGN\0820328\SHEET\0820328-CONN-10-002-SHT-ABLDGN

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MDJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION IL 3 OVER I-70	NORTH ABUTMENT PLAN & PILE LAYOUT	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - MDJ	REVISED -			998	82-2-1HVB-1	ST. CLAIR	345 / 163
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - JLR	REVISED -				SN 082-0328	CONTRACT NO. 76D05	
	PLOT DATE = $DATE$	DATE - 05/13/11	REVISED -		SCALE: / SHEET NO. SA-28 OF SA-57 / STA. 1683+43.17 TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	