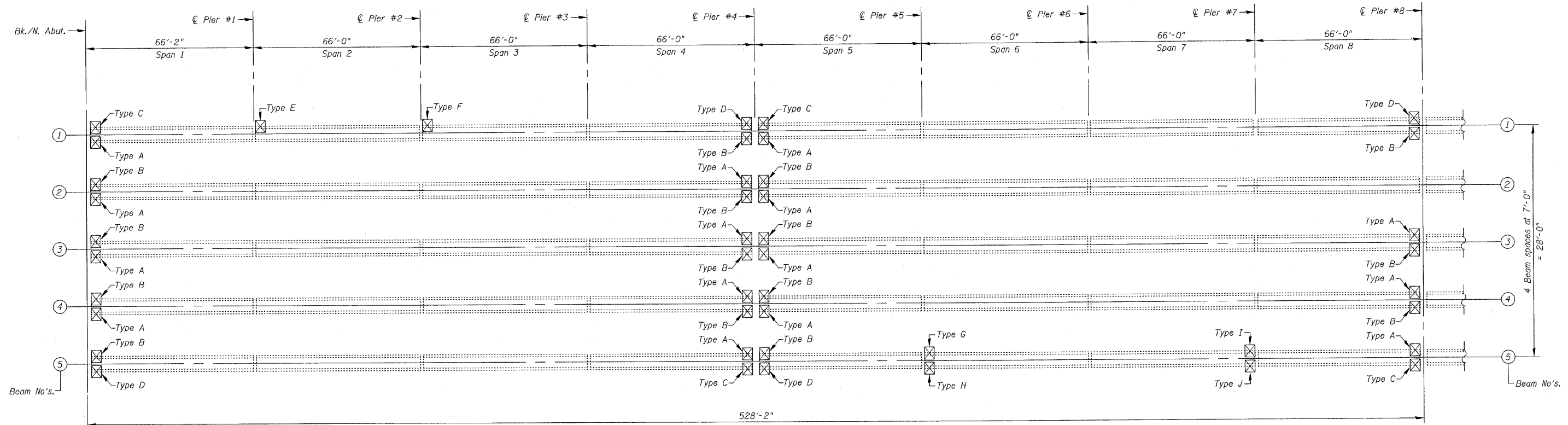


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



FRAMING PLAN
(Spans 1 thru 8)

LEGEND:

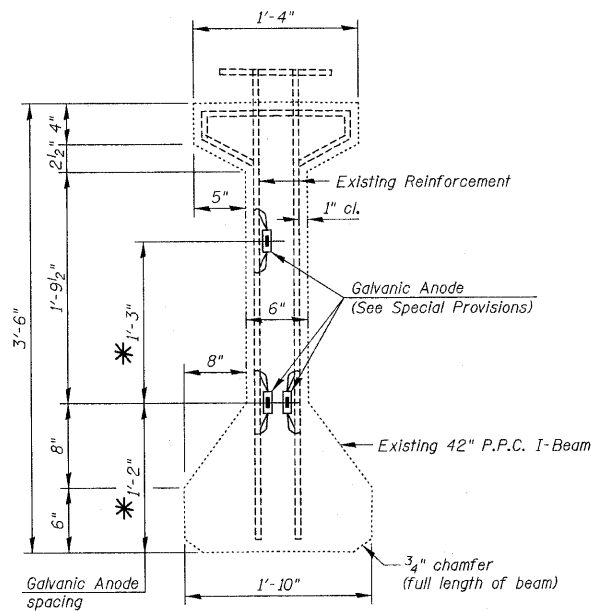
☒ Beam End Repair

NOTES:

For Beam End Repair Location Table, see Sht. S28.
For Beam End Repair details, see Sht. S29.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq Ft	153
Epoxy Crack Injection	Foot	3
Galvanic Anode	Each	119



**GALVANIC ANODE DETAIL
AT EACH BEAM END**

Install three Galvanic Anodes at 37 locations. At Beam #1 at Pier #1, install two Galvanic Anodes on east side only. There are no Galvanic Anodes at Beam #1 at Pier #2. (119 thus)

* For Beam End Repairs Type "G", Type "H", Type "O" & Type "P" where repairs stop at the bottom of the web, increase the 1'-2" Galvanic Anode spacing to 1'-6" and decrease the 1'-3" Galvanic Anode spacing to 11".

DESIGNED -	2010
CHECKED -	EXAMINED
DRAWN -	ENGINEER OF BRIDGE DESIGN
CHECKED -	PASSED
	ENGINEER OF BRIDGES AND STRUCTURES

BEAM END REPAIRS-I
IL. RTE. 251 OVER IL. RTE. 38
C&NW R.R. AND B.N. R.R.
F.A.P. RTE. 740 (IL. RTE. 251)
SECTION (108HVB)M
OGLE COUNTY
STA. 856+44.00
STRUCTURE NO. 071-0066

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

SHEET NO. S27	F.A.P. RTE. 740	SECTION (108HVB)M	COUNTY OGLE	TOTAL SHEETS 55	SHEET NO. 34
S43 SHEETS	CONTRACT NO. 64G24		ILLINOIS FED. AID PROJECT		