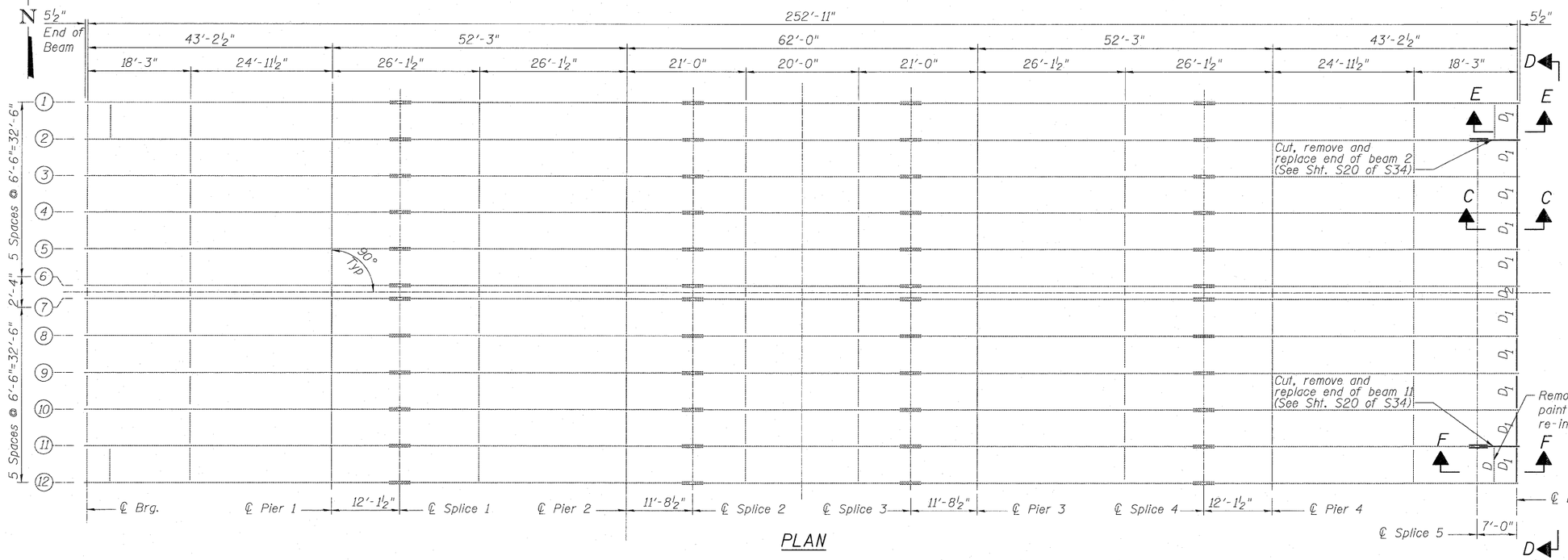
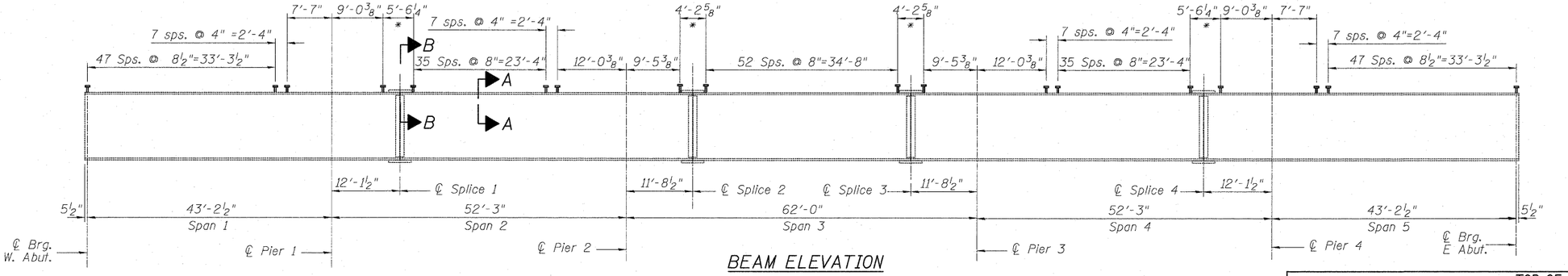
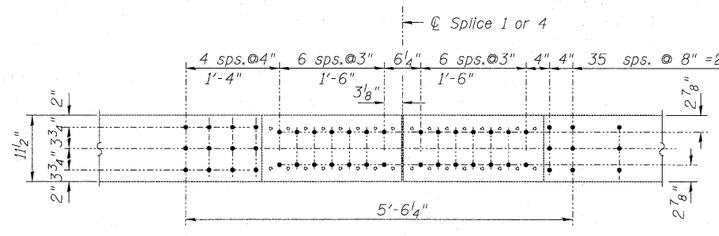
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN

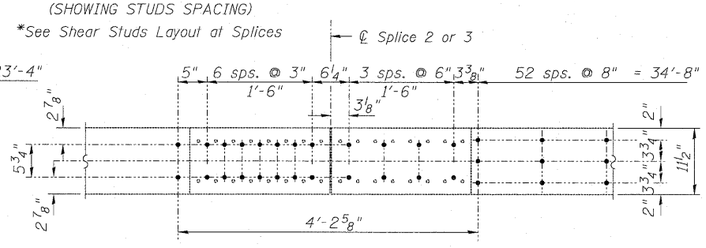


BEAM ELEVATION
(SHOWING STUDS SPACING)
*See Shear Studs Layout at Splices



SHEAR STUDS LAYOUT AT SPLICE 1 & 4

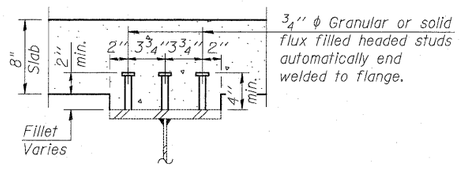
Splice 1 - Shown
Splice 4 - Opposite Hand



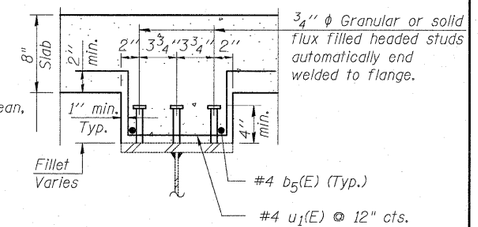
SHEAR STUDS LAYOUT AT SPLICE 2 & 3

Splice 2 - Shown
Splice 3 - Opposite Hand

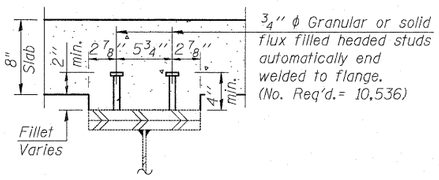
Note:
All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.



SECTION A-A



FOR FILLET HEIGHT DEEPER THAN 6"



SECTION B-B

TOP OF EXISTING BEAM ELEVATION**

Beam \ Location	℄ Brg W. Abut.	℄ Brg Pier 1	℄ Splice #1	℄ Brg Pier 2	℄ Splice #2	℄ Splice #3	℄ Brg Pier 3	℄ Splice #4	℄ Brg Pier 4	℄ Brg E. Abut.
1	646.98	647.07	647.18	647.32	647.41	647.41	647.28	647.21	647.08	646.94
2	647.00	647.11	647.21	647.36	647.42	647.49	647.33	647.21	647.09	646.96
3	647.03	647.16	647.26	647.37	647.48	647.50	647.39	647.28	647.15	646.96
4	647.05	647.21	647.30	647.45	647.54	647.50	647.42	647.34	647.22	647.04
5	647.08	647.25	647.37	647.51	647.59	647.57	647.50	647.40	647.27	647.16
6	647.20	647.33	647.48	647.61	647.69	647.64	647.55	647.49	647.37	647.24
7	647.20	647.33	647.45	647.61	647.71	647.69	647.59	647.46	647.35	647.21
8	647.15	647.33	647.35	647.49	647.60	647.61	647.50	647.36	647.26	647.15
9	647.10	647.19	647.31	647.45	647.56	647.56	647.44	647.31	647.21	647.10
10	647.07	647.15	647.30	647.37	647.49	647.47	647.40	647.25	647.15	647.14
11	647.03	647.10	647.23	647.40	647.47	647.41	647.33	647.20	647.09	646.95
12	646.97	647.07	647.21	647.33	647.39	647.36	647.30	647.16	647.08	646.93

** From Field Survey and for information only.
Verify during construction for actual fillet height before deck slab is poured.

Note:
For Existing Splice and Proposed Splice 5
Details, and Section F-F, see Sheet S20 of S34.
For Section C-C and E-E and view D-D see sheet S21 of S34.

FRAMING PLAN & DETAILS
STRUCTURE NO. 016-0519

DESIGNED	JPM				
CHECKED	TG				
DRAWN	MPS				
CHECKED	JPM, TG				

Primera
100 S. WACKER DRIVE SUITE 700 . CHICAGO IL 60606 . P:312-606-8900 F:312-606-8415

SHEET NO. S19	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S34 SHEETS	1548	461 (VB&VF) I	COOK	52	31
			CONTRACT NO. 60H65		
	DATE: 06-22-2010	ILLINOIS	FED. AID PROJECT		