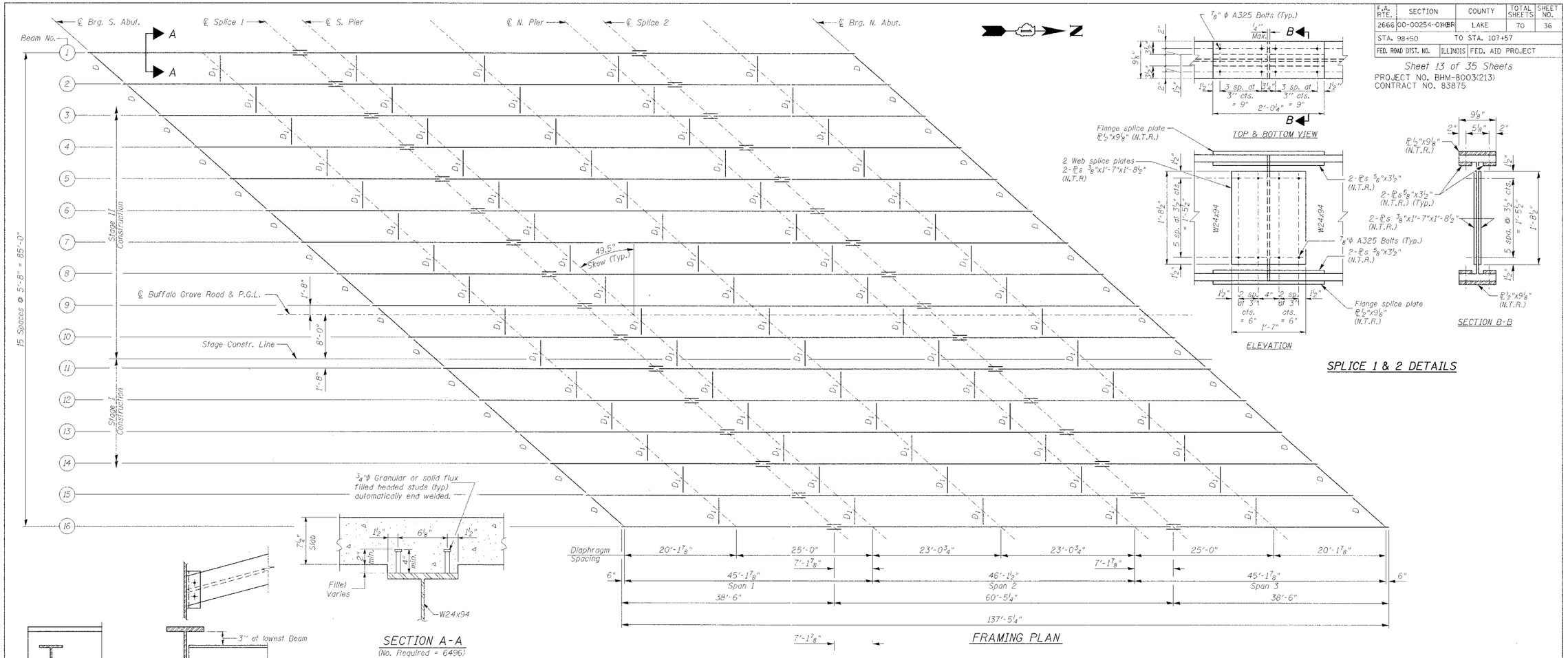
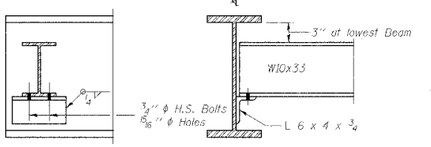
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2666	00-00254-01-BR	LAKE	70	36
STA. 98+50	TO STA. 107+57			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

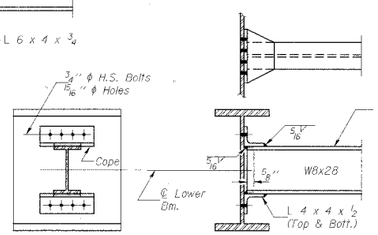
Sheet 13 of 35 Sheets
PROJECT NO. BHM-8003(213)
CONTRACT NO. 83875



SECTION A-A
(No. Required = 6496)



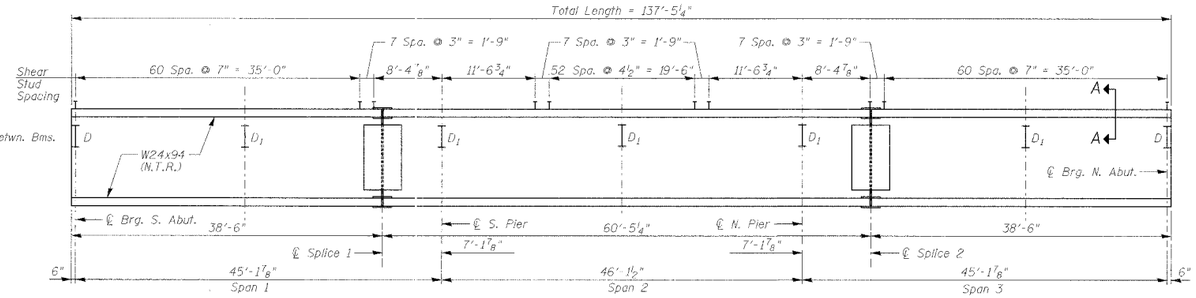
DIAPHRAGM D
30 Required



DIAPHRAGM D1
75 Required

Note:
Two hardened washers shall be required over all oversize holes for diaphragms.

SPLICE 1 & 2 DETAILS



BEAM ELEVATION

TOP OF BEAM ELEVATIONS BEFORE DEFLECTIONS

(For Fabrication Only)

Location	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7	Beam 8	Beam 9	Beam 10	Beam 11	Beam 12	Beam 13	Beam 14	Beam 15	Beam 16
℄ Brg. S. Abut.	669.904	670.045	670.185	670.323	670.463	670.603	670.743	670.883	671.023	671.003	670.917	670.830	670.743	670.657	670.570	670.484
℄ Splice 1	670.015	670.156	670.296	670.434	670.574	670.714	670.854	670.994	671.134	671.114	671.028	670.941	670.854	670.768	670.681	670.594
℄ S. Pier	670.044	670.184	670.325	670.463	670.603	670.743	670.883	671.023	671.163	671.143	671.056	670.970	670.883	670.796	670.710	670.623
℄ N. Pier	670.229	670.370	670.510	670.648	670.788	670.928	671.068	671.208	671.348	671.328	671.242	671.155	671.068	670.982	670.895	670.808
℄ Splice 2	670.258	670.398	670.539	670.677	670.817	670.957	671.097	671.237	671.377	671.357	671.270	671.184	671.097	671.010	670.924	670.837
℄ Brg. N. Abut.	670.452	670.593	670.733	670.871	671.011	671.151	671.291	671.431	671.571	671.551	671.465	671.378	671.291	671.205	671.118	671.031

NOTES:

1. All stringers, splice plates and diaphragm elements shall be AASHTO M270, Grade 50 steel (N.T.R. where noted).
2. "N.T.R." Denotes notch toughness requirements. Structural steel designated with (N.T.R.) shall conform to the supplemental requirements for notch toughness (Zone 2). These components are the W24X94 stringers and all splice plate material of the steel stringers.

REVISIONS	
NAME	DATE

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL

LAKE COUNTY DIVISION OF TRANSPORTATION

FRAMING PLAN & ELEVATION

BUFFALO GROVE ROAD
AT INDIAN CREEK BRIDGE
SECTION 00-00254-01-BR STATION 101+50.00
LAKE COUNTY STRUCTURE NO. 049-3043

SCALE: NONE
DRAWN BY: TBW
DATE: 7/21/06
CHECKED BY: ATI, WK

PLAN
SURVEYED
DRAWN
NOTE BOOK
NOS.
ACCURACY CHECKED
QUANTITIES CHECKED
DETAILS CHECKED
BY:
DATE:

PROFILE
SURVEYED
DRAWN
NOTE BOOK
NOS.
QUANTITIES CHECKED
DETAILS CHECKED
BY:
DATE:

I:\lakeco\02201113\drawsheets\struct6-16-06\framing plan.dgn

FRAMING PLAN & ELEVATION