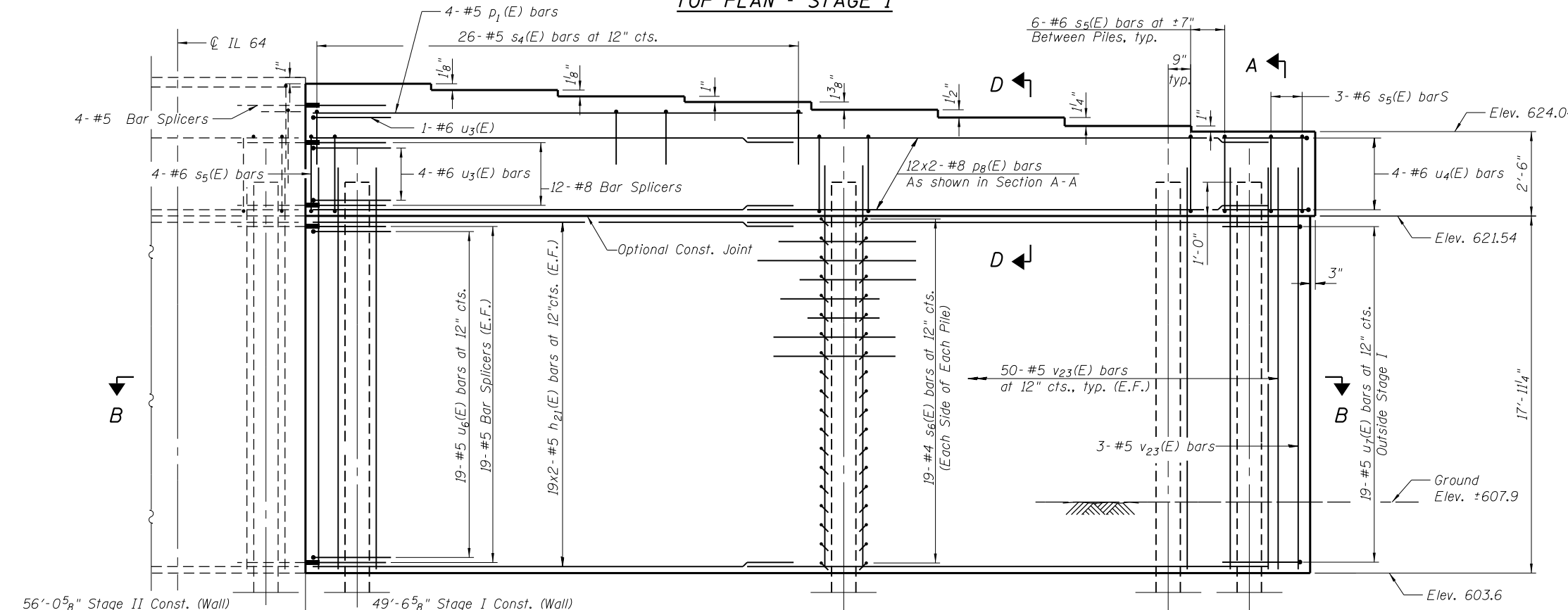
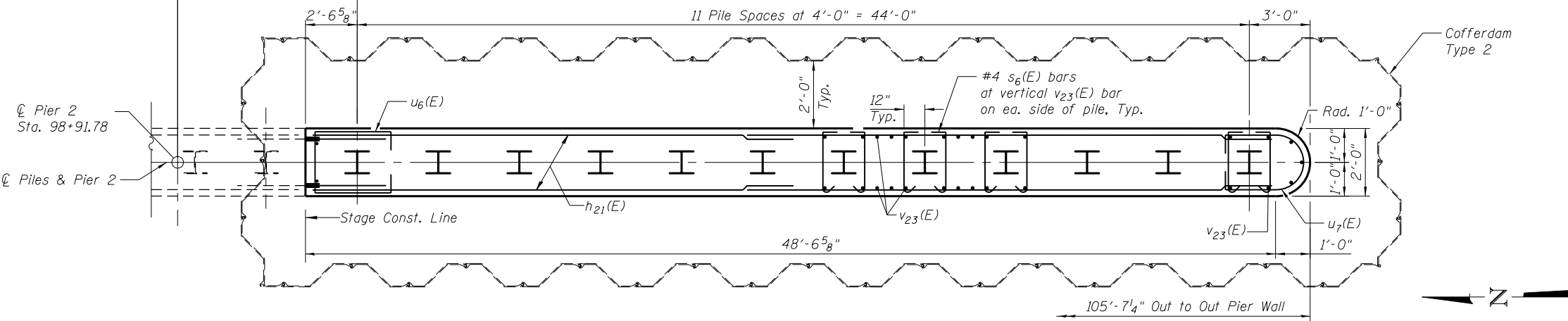


TOP PLAN - STAGE I



ELEVATION - STAGE I
(Looking East)



SECTION B-B - STAGE I

**BEARING SEAT
ELEVATION TABLE - STAGE I**

Beam No.	℄ Brg.
9	624.88
10	624.79
11	624.69
12	624.59
13	624.50
14	624.38
15	624.25
16	624.13
17	624.05

PILE DATA - STAGE I

Type: HP 12x53 with Pile Shoes
 Nominal Required Bearing: 419 kips
 Factored Resistance Available: 230 kips
 Est. Length: 46'
 No. Production Piles: 11
 No. Test Piles: 1

Notes:
 Space reinforcement in cap to miss anchor bolts.
 Pour steps monolithically with cap.
 See sheet 52 of 62 for details of piles.
 See sheet 53 of 62 for Bar Splicer Details.
 See sheet 51 of 62 for Section A-A, D-D,
 Anchor Bolt Layout and Stream Gauge Details.
 Bars indicated thus 19x2-#5 etc. indicates 19 line
 of bars with 2 lengths per line.
 E.F. Denotes Each Face.

MINIMUM BAR LAP
 #5 Bars = 2'-11"
 #8 Bars = 6'-2"

FILE NAME = W:\191-130-1001-1164\CADD_Sheets\Structure\1160J11-Str-39-Pier-2.dgn

Bollinger, Lach & Associates, Inc.
 ITASCA, ILLINOIS

USER NAME =
 DESIGNED - JMT
 CHECKED - JJI
 PLOT SCALE =
 DRAWN - GM
 PLOT DATE = 8/16/2013
 CHECKED - JJI

DESIGNED - JMT
 CHECKED - JJI
 REVISIONS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PIER 2 - STAGE I
 STRUCTURE NO. 016-3035**

SHEET NO. 49 OF 62 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	541Y-3-B	COOK	143	110
CONTRACT NO. 60J11				

ILLINOIS FED. AID PROJECT