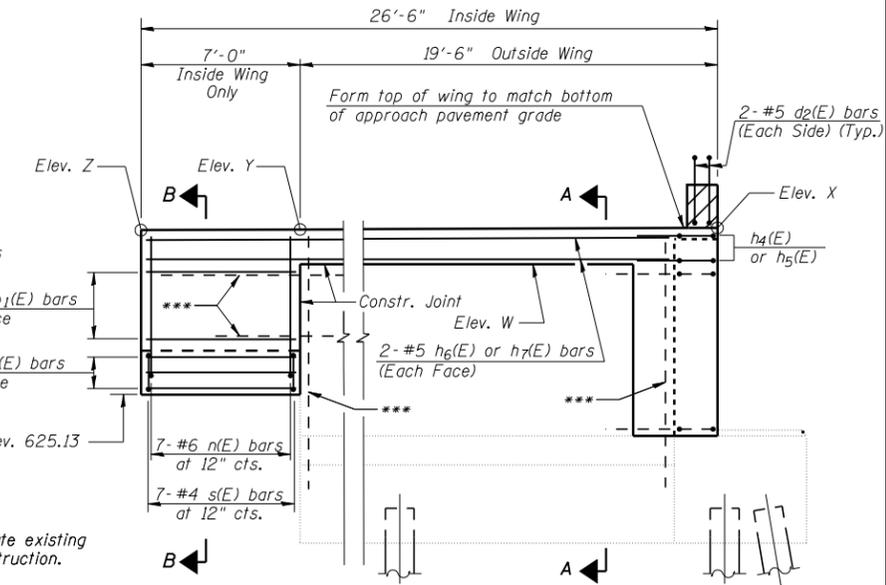
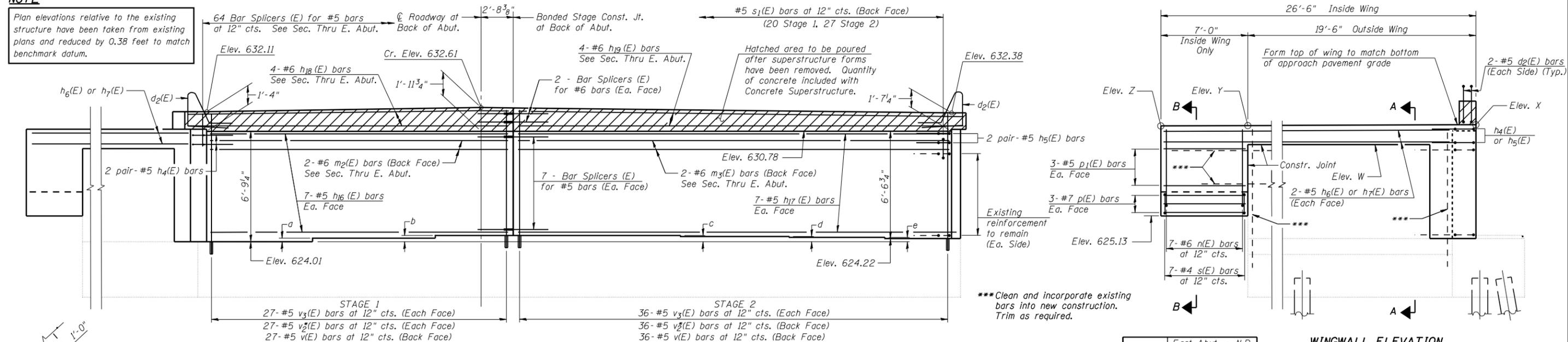


NOTE

Plan elevations relative to the existing structure have been taken from existing plans and reduced by 0.38 feet to match benchmark datum.



	East Abut. - N.B.	
Elev.	Inside Wing	Outside Wing
W	630.04	630.29
X	630.86	631.13
Y	630.64	631.03
Z	630.54	-

WINGWALL ELEVATION

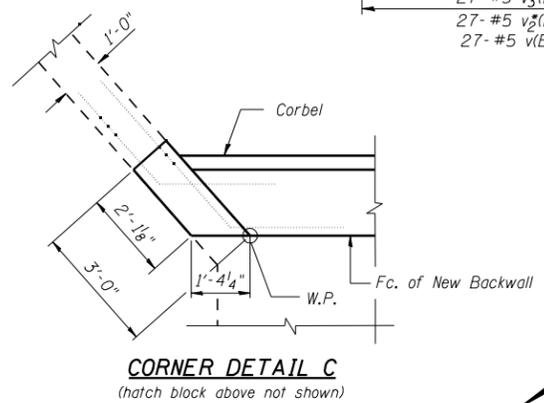
ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d ₂ (E)	4	#5	7'-11"	⌒
h ₄ (E)	4	#5	5'-0"	⌒
h ₅ (E)	4	#5	5'-0"	⌒
h ₆ (E)	4	#5	19'-2"	⌒
h ₇ (E)	4	#5	25'-3"	⌒
h ₁₆ (E)	14	#5	26'-9"	⌒
h ₁₇ (E)	14	#5	35'-0"	⌒
h ₁₈ (E)	4	#6	26'-9"	⌒
h ₁₉ (E)	4	#6	35'-0"	⌒
m ₂ (E)	2	#6	26'-9"	⌒
m ₃ (E)	2	#6	35'-0"	⌒
n(E)	7	#6	9'-1"	⌒
p(E)	6	#7	6'-8"	⌒
p ₁ (E)	6	#5	6'-8"	⌒
s(E)	7	#4	7'-5"	⌒
s ₁ (E)	47	#5	4'-2"	⌒
v(E)	63	#5	3'-9"	⌒
v ₂ (E)	126	#5	6'-3"	⌒
v ₃ (E)	126	#5	3'-2"	⌒
Structure Excavation			Cu. Yd.	171
Concrete Structures			Cu. Yd.	28.4
Reinforcement Bars, Epoxy Coated			Pound	3670
Bar Splicers			Each	84
Concrete Sealer			Sq. Ft.	425

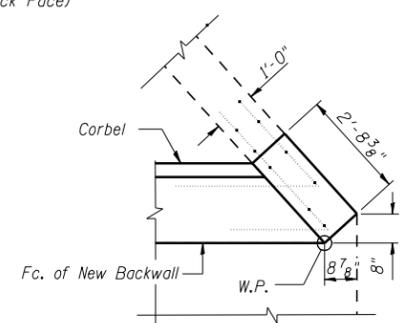
ELEVATION
(Looking East - E. Abut. - N.B.)

TABLE OF EXISTING STEP HEIGHTS

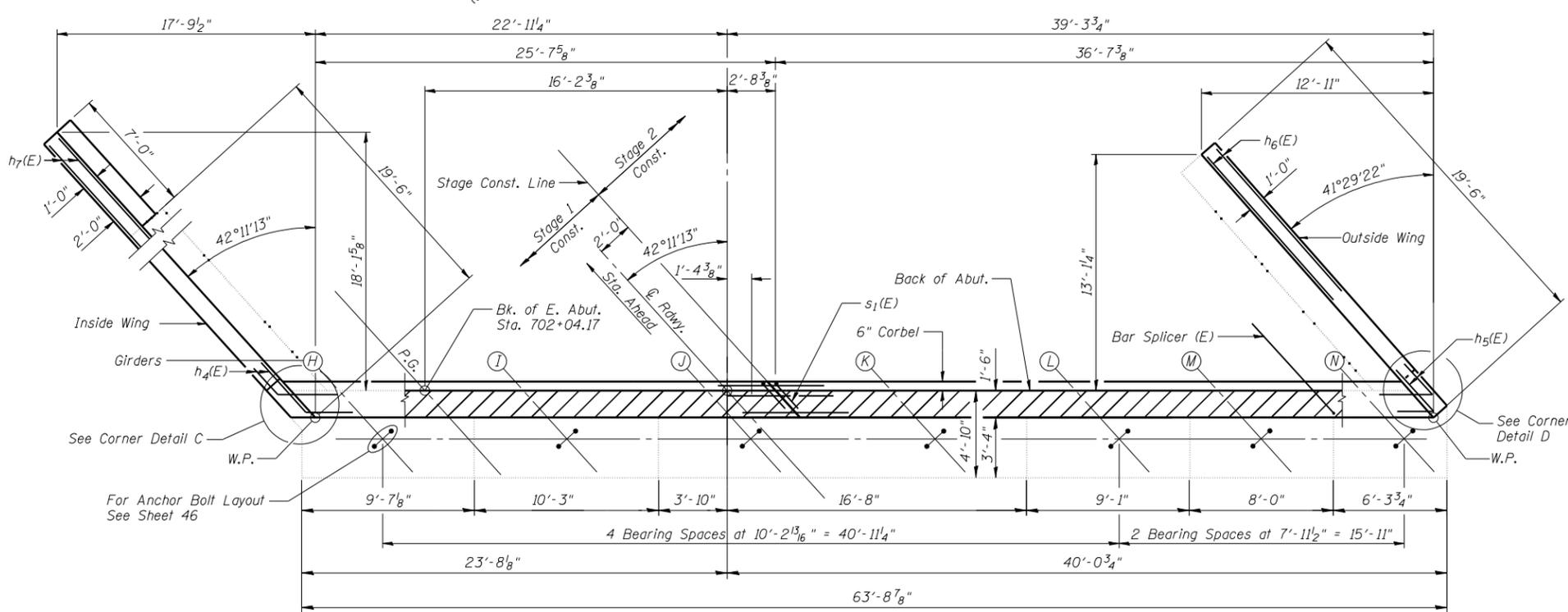
	a	b	c	d	e
East Abutment (N.B.)	2 ⁵ / ₈ "	4 ³ / ₄ "	4"	3 ¹ / ₄ "	2 ³ / ₈ "



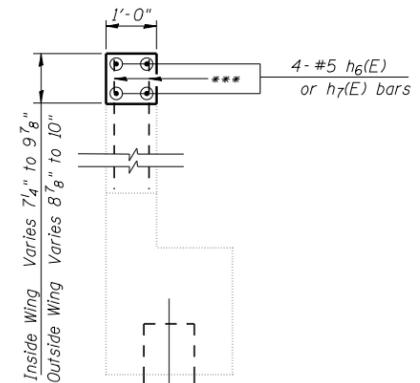
CORNER DETAIL C
(hatch block above not shown)



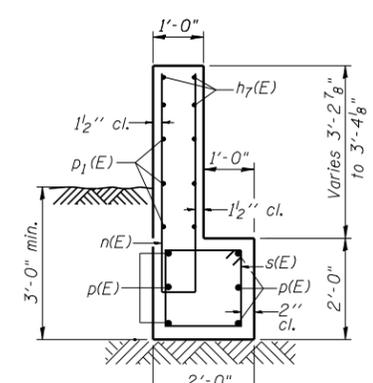
CORNER DETAIL D
(hatch block above not shown)



PLAN
(East Abutment - N.B.)



SEC. A-A



SEC. B-B

Notes:
 All bars designated with an asterisk (ex: v₂(E)) shall be epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment = 9". Locate bars to miss existing reinforcement.
 Existing wingwall reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
 Existing vertical bars in backwall shall be cut off and covered with a layer of epoxy. Cost included with Concrete Removal.
 Concrete Sealer shall be applied to the front face of the backwall.
 The s₁(E) bars shall be placed parallel to the roadway. Spacing for these bars shall be at right angles to roadway.
 See Sheet 22 for point block details at hatch block.



JOB = 2265.2
 FILE = 0540060.0061-72E11-44-45-Abutms-NB.dgn
 DATE = 3/8/2013

DESIGNED - AAN
 CHECKED - MDC
 DRAWN - SJS
 CHECKED - TSH

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT DETAILS
STRUCTURE NO. 054-0061 (NB)

SHEET NO. 45 OF 53 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 LOGAN CO BR 2011-1	LOGAN	429	275
				CONTRACT NO. 72E11

ILLINOIS FED. AID PROJECT