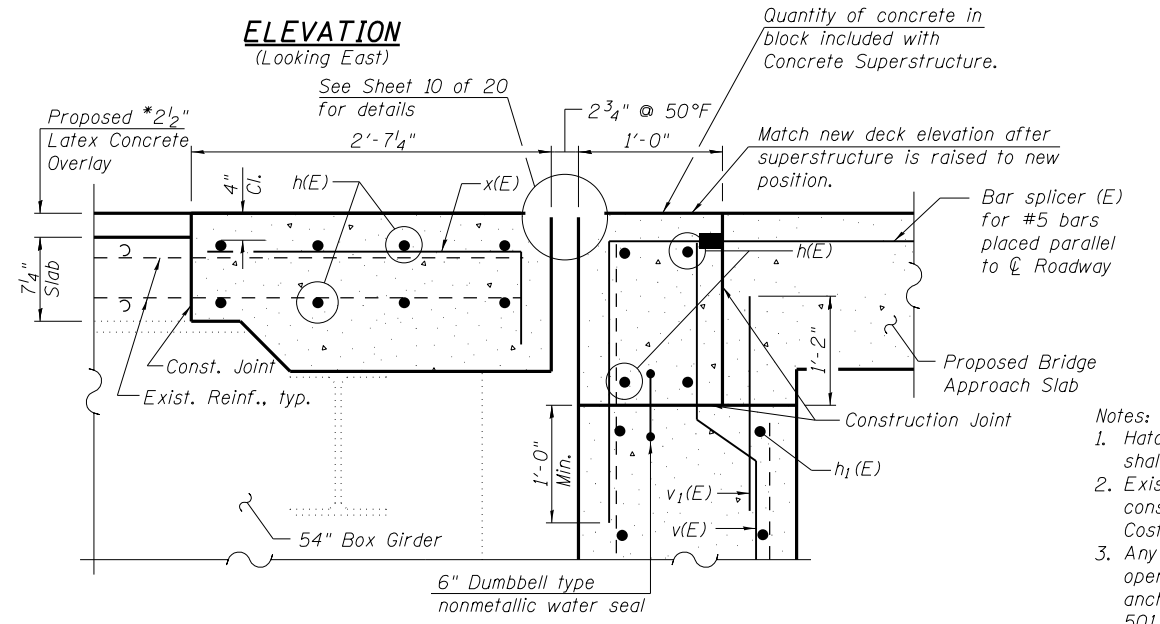
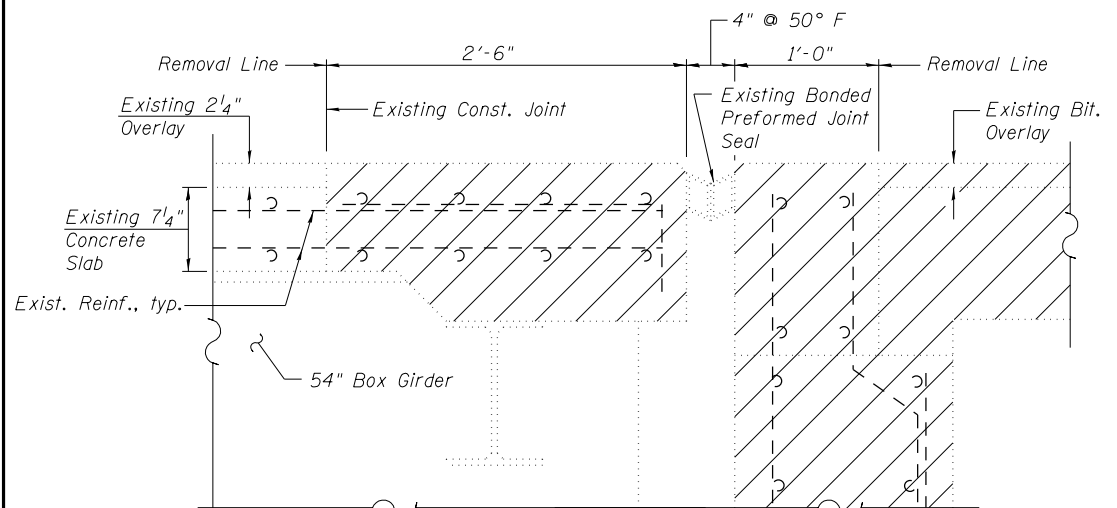
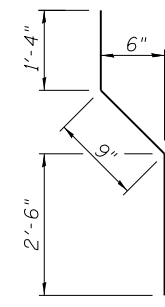


MIN. BAR LAP
 #5 bar = 2'-6"
 #6 bar = 3'-0"

BILL OF MATERIAL
 (Two Abutments)

Bar	No.	Size	Length	Shape
h(E)	48	#6	22'-2"	—
h1(E)	48	#5	21'-6"	—
d(E)	12	#5	4'-8"	L
d1(E)	12	#5	4'-6"	L
d2(E)	8	#5	2'-1"	□
v(E)	80	#5	4'-7"	~
v1(E)	80	#5	3'-4"	—
x(E)	80	#5	2'-10"	—
Reinforcement Bars, Epoxy Coated		Pound	3710	
Concrete Superstructure		Cu. Yd.	14.0	
Concrete Structures		Cu. Yd.	25.1	

Bars indicated thus 6x2-#5 etc. indicates 6 lines of bars with 2 lengths per line.



- Notes:
- Hatched area indicates concrete removal. Perimeter of concrete removal areas shall be saw cut 3/4" prior to removal of the concrete.
 - Existing reinforcement bars in the concrete removal area extending into new construction shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
 - Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system, in accordance with IDOT Standard Specifications Article 501.03. Cost included in "Concrete Removal"
 - Overlay removal is included in pay item Bridge Deck Scarification, 2 1/4".
 - Removal of the existing joint system is included with Concrete Removal.
 - See Sheet 7 of 20 for View A-A and bar bend details.
 - See Sheet 18 of 20 for Bar Splicer Assembly Details.

LIN ENGINEERING, LTD. Consulting Engineers Springfield, Illinois	USER NAME =	DESIGNED - ESH	REVISED -
	FILE NAME =	CHECKED - MTH	REVISED -
	PLOT SCALE =	DRAWN - ESH	REVISED -
	PLOT DATE =	CHECKED - MTH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPLACEMENT DETAILS AT EAST ABUTMENTS
STRUCTURE NOS. 084-0152 & 084-0153

F.A.I. RTE. = 72	SECTION = (84-10-1)BDR	COUNTY = SANGAMON	TOTAL SHEETS = 35	SHEET NO. = 22
CONTRACT NO. 72F01				ILLINOIS FED. AID PROJECT