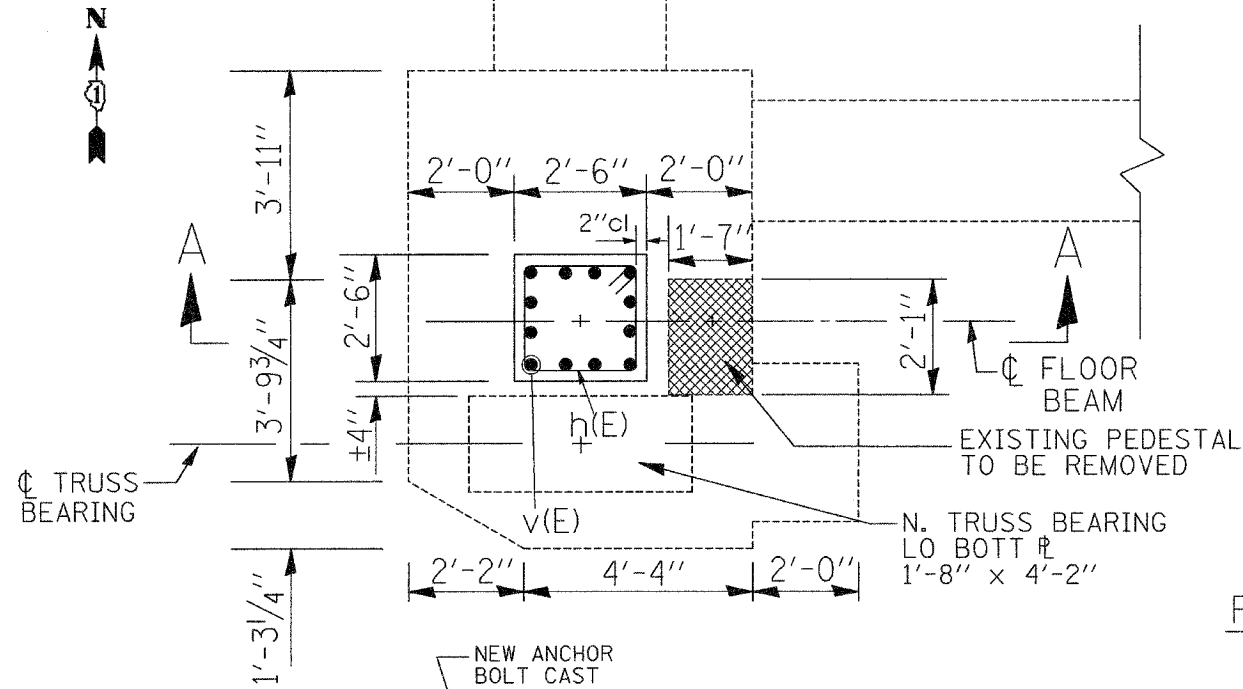


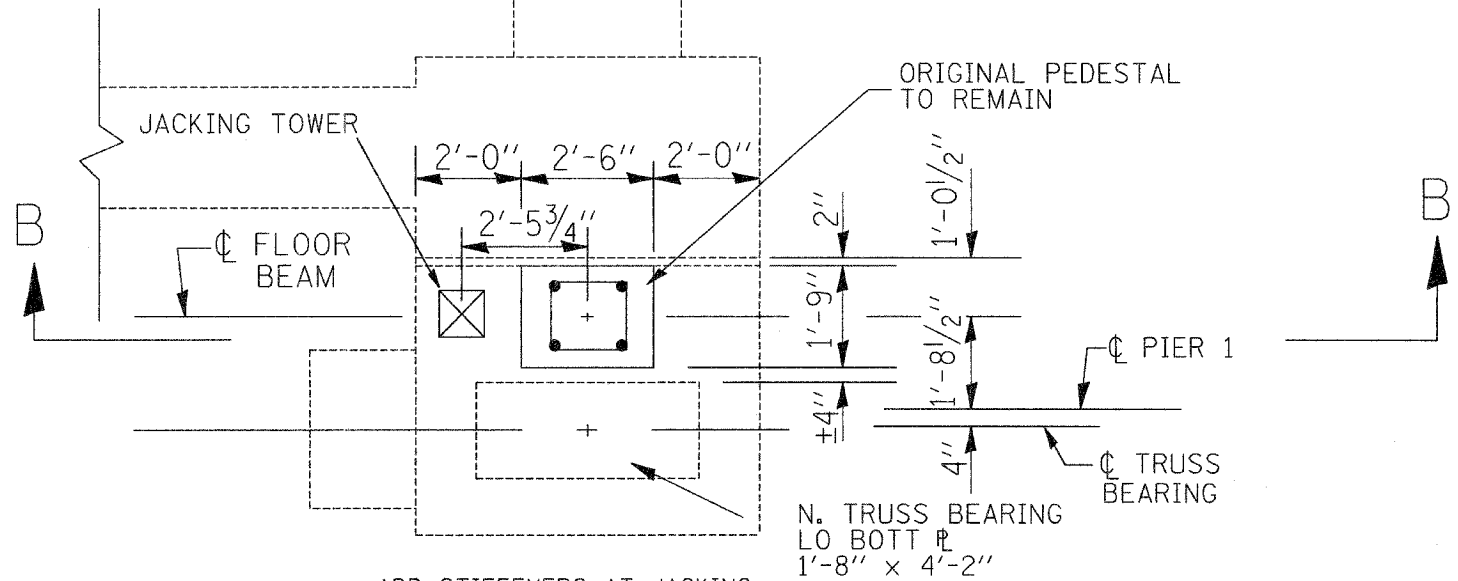
TO NORTH ABUTMENT

SEQUENCE OF CONSTRUCTION NW & SE PEDESTALS:

- 1) CONSTRUCT NEW PEDESTAL AS DETAILED
- 2) INSTALL JACK ON NEW PEDESTAL & JACK BEAM
- 3) REMOVE EXISTING BEARING FROM EXISTING PEDESTAL
- 4) REMOVE EXISTING PEDESTAL
- 5) INSTALL JACK AT LOCATION OF EXISTING PEDESTAL AND JACK BEAM
- 6) REMOVE JACK ON NEW PEDESTAL & INSTALL NEW BEARING



PLAN VIEW
PIER 1



ADD STIFFENERS AT JACKING LOCATION (4L'S-4x4x5/8 WITH 6 ROWS 1/8" Ø HIGH STRENGTH BOTLS GRIND TO FIT)

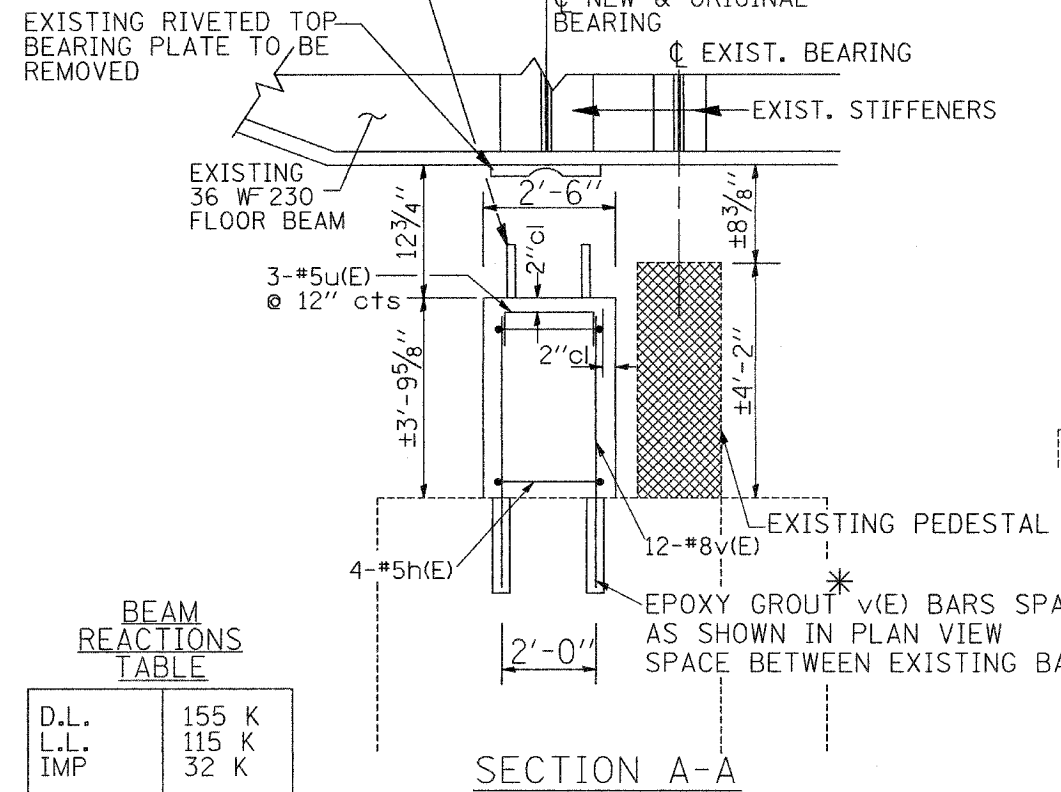
PIER 1 BAR LIST

BAR	NO	SIZE	LENGTH	SHAPE
h(E)	4	#5	9'-0"	
h1(E)	2	#5	7'-0"	
v(E)	12	#8	4'-4"	
u(E)	6	#5	5'-2"	

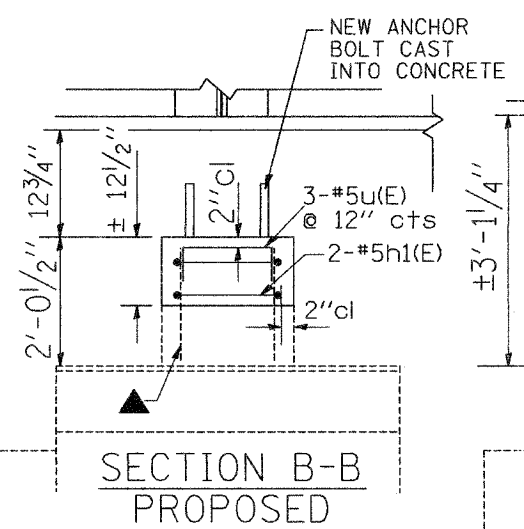
CONCRETE REMOVAL	CU YD	0.7
CONCRETE STRUCTURES	CU YD	1.1
REINFORCEMENT BARS, EPOXY COATED	POUND	220
STRUCTURAL REPAIR OF CONCRETE ≤ 5"	SQ FT	1
TEMPORARY SHORING AND CRIBBING	EA	2

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED

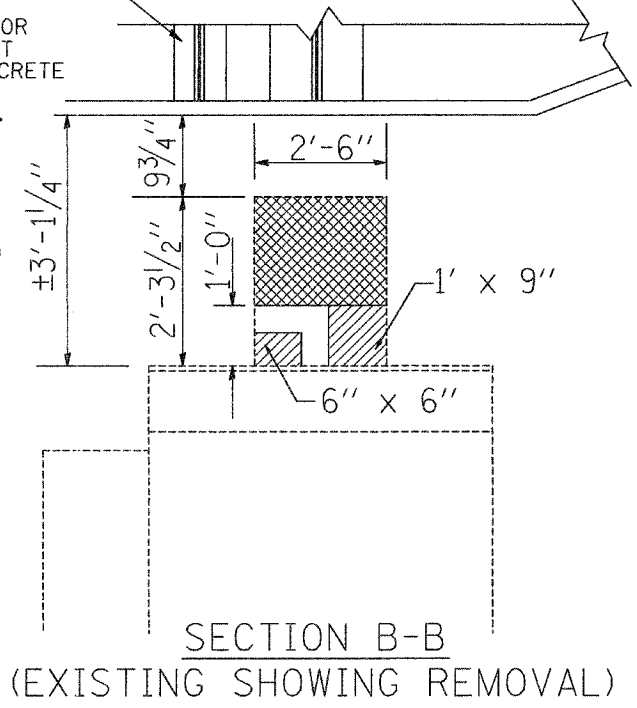
- STRUCTURAL REPAIR OF CONCRETE ≤ 5"
- CONCRETE REMOVAL



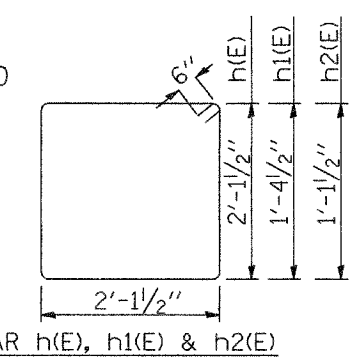
SECTION A-A



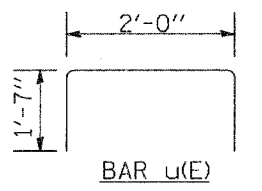
SECTION B-B
PROPOSED



SECTION B-B
(EXISTING SHOWING REMOVAL)



BAR h(E), h1(E) & h2(E)



BAR u(E)

▲ EXIST. REINFORCEMENT TO BE CLEANED STRAIGHTENED & INCORPORATED INTO NEW CONSTRUCTION. CUT TO MAINTAIN 2" CLEARANCE

* DRILL & EPOXY GROUT 9" MINIMUM INTO THE EXISTING CONCRETE ACCORDING TO ART. 584 OF THE STD. SPECS.

ALL PROPOSED PEDESTAL HEIGHTS TO BE FIELD VERIFIED

BEAM REACTIONS TABLE

D.L.	155 K
L.L.	115 K
IMP	32 K
TOTAL	302 K

MIN. JACKING CAPACITY = 170 TONS

FILE NAME = c:\projects\131906\131906a.dgn	USER NAME = midje	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER 1 REPAIRS SN 016-0421	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5/8" = 1' / JN.	CHECKED -	REVISED -	350			3068 B-I	COOK	11	6	
PLOT DATE = 5/2/2008	DATE -	REVISED -	CONTRACT NO. 60B29							
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							