



BEAM SEAT ELEVATION

Beam	Elevation
1	634.47
2	634.75
3	634.98
4	635.20
5	635.42
6	635.63
7	635.74
8	635.39

BEAM STEPS

Beam	Step Height (in.)
1-2	3 3/8
2-3	2 3/4
3-4	2 5/8
4-5	2 5/8
5-6	2 1/2
6-7	1 3/8
7-8	-4 1/4

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars indicated thus 1x2 - #5 etc. indicates 1 line of bars with 2 lengths per line.
3. Space reinforcement in cap to miss anchor bolts.
4. Pour steps monolithically with cap.
5. Hatched area to be poured after superstructure false work has been removed. Quality of concrete included in "Concrete Superstructure".

LEGEND:

F.F. Front Face
B.F. Back face
E.F. Each face

MINIMUM BAR LAP

#4 bar = 2'-3"
#5 bar = 2'-10"
#6 bar = 3'-10"
#8 bar = 6'-9"

Maximum Applied Service Bearing Pressure (Q_{max}) = 5.8 ksf

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CHRISTOPHER B. BURKE ENGINEERING, LTD.
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USER NAME =	DESIGNED - MM	REVISED
PLOT SCALE =	CHECKED - JMB	REVISED
PLOT DATE =	DRAWN - PDR	REVISED
	CHECKED - MM	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT - PLAN AND ELEVATION
SB MANNHEIM ROAD BRIDGE - STRUCTURE NO. 016-7942

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	383
CONTRACT NO. 60G37				

SHEET NO. S-21 OF S-27 SHEETS

ILLINOIS FED. AID PROJECT