



BEAM SPAN LENGTH

Beam	Span "L"	Bearing "Lb"	Overhang "Lo"
Beam 1	30'-4 1/4"	23'-10 1/4"	6'-0"
Beam 2	31'-1 1/4"	24'-7 1/4"	6'-0"
Beam 3	32'-2 1/2"	25'-8 1/2"	6'-0"
Beam 4	33'-3 3/8"	26'-9 3/8"	6'-0"
Beam 5	34'-5 1/8"	27'-11 1/8"	6'-0"
Beam 6	34'-6 1/2"	29'-0 1/2"	5'-0"
Beam 7	36'-7 3/4"	30'-1 3/4"	6'-0"
Beam 8	37'-9 1/8"	31'-3 1/8"	6'-0"
Beam 9	38'-10 3/8"	32'-4 3/8"	6'-0"
Beam 10	40'-3"	33'-9"	6'-0"



***BAR LIST - BEAM 1					***BAR LIST - BEAM 2					***BAR LIST - BEAM 3					***BAR LIST - BEAM 4					***BAR LIST - BEAM 5					***BAR LIST - BEAM 6					***BAR LIST - BEAM 7									
Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
G1	35	#4	8'-5"	∩L	G1	36	#4	8'-5"	∩L	G1	37	#4	8'-5"	∩L	G1	38	#4	8'-5"	∩L	G1	39	#4	8'-5"	∩L	G1	39	#4	8'-5"	∩L	G1	41	#4	8'-5"	∩L					
G2	35	#4	6'-8"	∩	G2	36	#4	6'-8"	∩	G2	37	#4	6'-8"	∩	G2	38	#4	6'-8"	∩	G2	39	#4	6'-8"	∩	G2	39	#4	6'-8"	∩	G2	41	#4	6'-8"	∩					
G3	4	#6	30'-2"	—	G3	4	#6	29'-11"	—	G3	4	#6	32'-0"	—	G3	4	#6	33'-1"	—	G3	4	#6	34'-3"	—	G3	4	#6	34'-4"	—	G3	4	#6	36'-5"	—					
G4	44	#3	4'-11"	⊔	G4	44	#3	4'-11"	⊔	G4	44	#3	4'-11"	⊔	G4	44	#3	4'-11"	⊔	G4	44	#3	4'-11"	⊔	G4	44	#3	4'-11"	⊔	G4	44	#3	4'-11"	⊔					
G5	31	#3	2'-6"	⊔	G5	32	#3	2'-6"	⊔	G5	33	#3	2'-6"	⊔	G5	34	#3	2'-6"	⊔	G5	35	#3	2'-6"	⊔	G5	35	#3	2'-6"	⊔	G5	37	#3	2'-6"	⊔					

Notes:
See sheet S10 of S19 for additional details and Bill of Material.
Required release strength, f'cl, shall be 5000 psl.

***BAR LIST - BEAM 8					***BAR LIST - BEAM 9					***BAR LIST - BEAM 10				
Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
G1	42	#4	8'-5"	∩L	G1	43	#4	8'-5"	∩L	G1	45	#4	8'-5"	∩L
G2	42	#4	6'-8"	∩	G2	43	#4	6'-8"	∩	G2	45	#4	6'-8"	∩
G3	4	#6	37'-7"	—	G3	4	#6	38'-8"	—	G3	4	#6	40'-1"	—
G4	44	#3	4'-11"	⊔	G4	44	#3	4'-11"	⊔	G4	44	#3	4'-11"	⊔
G5	38	#3	2'-6"	⊔	G5	39	#3	2'-6"	⊔	G5	41	#3	2'-6"	⊔

***For information only.

DESIGNED JW
CHECKED YMM
DRAWN JLS & PS
CHECKED TPG & JXH



**BEAM ELEVATIONS AND DETAILS
STRUCTURE NUMBER 016-1308**

SHEET NO. S9	F.A.I. RTE. 90/94	SECTION 2010-075-I	COUNTY COOK	TOTAL SHEETS 33	SHEET NO. 18
S19 SHEETS	DATE: 12-03-10		ILLINOIS FED. AID PROJECT		
			CONTRACT NO. 60L61		