

TEMPORARY SUPPORT SYSTEM REACTIONS AT 35° POSITION
(for counterweight)

Wind Direction	Wind Force at			
	80 mph (kips)	70 mph (kips)	60 mph (kips)	50 mph (kips)
Longitudinal	121	93	69	48
45° Diagonal	188	144	106	74

TEMPORARY SUPPORT SYSTEM REACTIONS AT 35° POSITION
(for Live Load Bearings*)

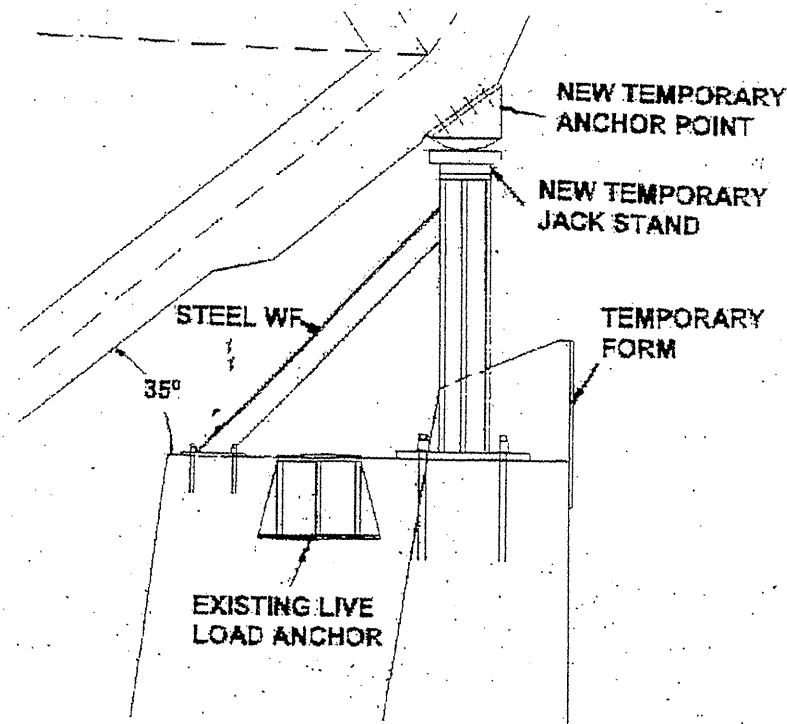
Wind Direction	Wind Force at			
	80 mph (kips)	70 mph (kips)	60 mph (kips)	50 mph (kips)
Longitudinal	216	160	117	82
45° Diagonal	323	247	181	126

* These loads are shared by two live bearing supports.

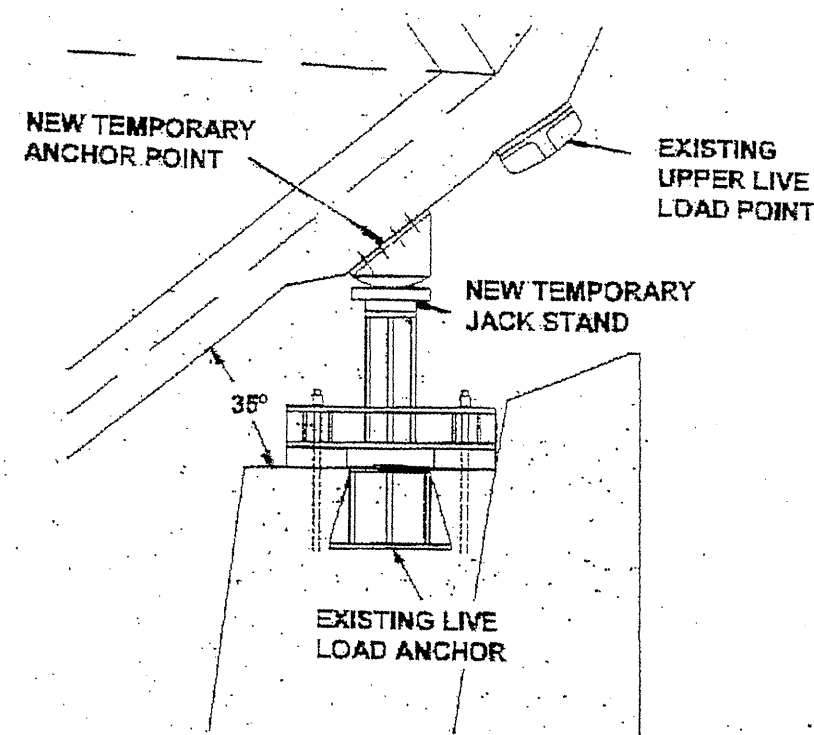
Two live load bearing supports design are recommended. Alternate No. 1 uses the existing upper live load bearing, with a temporary river wall support. Alternate No. 2 requires strengthening of the attachment point on the structural member to provide better load sharing since it is not in line with principal support points.

BILL OF MATERIAS

ITEM	UNIT	QUANTITY
TEMPORARY SUPPORT SYTEM	EACH	2.



LIVE LOAD BEARING SUPPORT
ALTERNATE NO. 1



LIVE LOAD BEARING SUPPORT
ALTERNATE NO. 2

FILE NAME =	USER NAME = midyjo	DESIGNED -	REVISED -
pr:\p...work\p...midyjo\148931\1011159	ant-plan.egn	DRAWN -	REVISED -
PLT SCALE = 1/8" = 1' - 0"	CHECKED -	REVISED -	REVISED -
PLT DATE = 6/23/2011	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RUBY STREET OVER DES PLAINES RIVER
SN 095-9901
SCALE: SHEET NO. OF 30 SHEETS STA. TO STA.

F.I.P. RTE.	SECTION	COUNTY	TOTAL SHEET (SHEETS) NO.
112	M-BDR-1	WILL	66 / 578
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62714

ADDED 09/12/2011 VHV