



(LEFT AHEAD SKEW SHOWN, RIGHT AHEAD SKEW SIMILAR)

CONCRETE PLACEMENT QUANT.		£-£ ABUT. BRG.	138'-10"	151'-4"	163'-10"	176'-4"	188'-10"	201'-4"	213'-10"	226'-4"	243'-0"
(SUPERSTRUCTURE PLUS INTEGRAL ABUTMENTS)											
SLAB INCLUDING HAUNCH, ABUT. DIAPHRAGM, & WINGWALLS** , SECTIONS 1 & 3	WITH BARRIER RAIL	C.Y.	119.6	127.6	141.2	149.2	157.2	174.8	183.2	191.8	210.8
	WITH OPEN RAIL	C.Y.	120.9	129.0	142.8	150.9	159.1	176.7	185.2	194.0	213.2
SLAB INCLUDING HAUNCH, SECTION 2	WITH BARRIER RAIL	C.Y.	43.5	47.0	50.5	54.0	57.3	61.1	64.6	68.1	68.1
	WITH OPEN RAIL	C.Y.	44.2	47.8	51.3	54.9	58.3	62.1	65.6	69.2	69.2
SLAB INCLUDING HAUNCH & PIER DIAPHRAGM, SECTIONS 4 & 5	WITH BARRIER RAIL	C.Y.	49.2	51.6	57.6	60.0	62.8	67.6	69.8	72.2	72.2
	WITH OPEN RAIL	C.Y.	49.7	52.1	58.2	60.6	63.4	68.2	70.5	72.9	72.9
ABUTMENT WINGS		C.Y.	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
ABUTMENT FOOTINGS (w/ WOOD PILES) ***		C.Y.	34.9	34.8	34.7	34.5	34.5	-----	-----	-----	-----
ABUTMENT FOOTINGS (w/ STEEL H PILES) ***		C.Y.	36.4	36.4	36.4	36.4	36.4	44.2	44.2	44.2	44.2

*** SEE SHEET H40-17-06 FOR ADDITIONAL CONCRETE
REQUIRED IN ABUTMENT FOOTINGS.

LATEST REVISION DATE APPROVED BY BRIDGE ENGINEER <i>Norman E. McQuinn</i>	 Iowa Department of Transportation Highway Division	
	STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES HL93 SUPERSTRUCTURE DECEMBER, 2006 HS25 SUBSTRUCTURE	
SUPERSTRUCTURE DETAILS 15° SKEW		H40-15-06