

**INDEX FOR H40-14 STANDARDS:**

H40-01-14 INDEX SHEET  
H40-01A-14 GENERAL NOTES  
H40-02-14 GENERAL INFORMATION  
H40-03-14 SUPERSTRUCTURE DETAILS  
H40-04-14 SUPERSTRUCTURE DETAILS-MISC.  
H40-05-14 ABUTMENT DETAILS FOR 0° SKEW, A & B BEAMS  
H40-14-14 ABUTMENT DETAILS FOR 0° SKEW, C BEAMS  
H40-07-14 LONGITUDINAL SECTION FOR 0° SKEW, A & B BEAMS  
H40-08-14 LONGITUDINAL SECTION FOR 0° SKEW, C BEAMS  
H40-09-14 SUPERSTRUCTURE DETAILS FOR 0° SKEW  
H40-10-14 DECK & ABUTMENT REINF. FOR 0° SKEW  
H40-11-14 ABUTMENT DETAILS FOR 15° SKEW, A & B BEAMS  
H40-12-14 ABUTMENT DETAILS FOR 15° SKEW, C BEAMS  
H40-13-14 LONGITUDINAL SECTION FOR 15° SKEW, A & B BEAMS  
H40-14-14 LONGITUDINAL SECTION FOR 15° SKEW, C BEAMS  
H40-15-14 SUPERSTRUCTURE DETAILS FOR 15° SKEW  
H40-16-14 DECK & ABUTMENT REINF. FOR 15° SKEW  
H40-17-14 ADDITIONAL QUANTITIES FOR 15° SKEW  
H40-18-14 ABUTMENT DETAILS FOR 30° SKEW, A & B BEAMS  
H40-19-14 ABUTMENT DETAILS FOR 30° SKEW, C BEAMS  
H40-20-14 LONGITUDINAL SECTION FOR 30° SKEW, A & B BEAMS  
H40-21-14 LONGITUDINAL SECTION FOR 30° SKEW, C BEAMS  
H40-22-14 SUPERSTRUCTURE DETAILS FOR 30° SKEW  
H40-23-14 DECK & ABUTMENT REINF. FOR 30° SKEW  
H40-24-14 ADDITIONAL QUANTITIES FOR 30° SKEW  
H40-25-14 ABUTMENT DETAILS FOR 45° SKEW, A & B BEAMS  
H40-26-14 ABUTMENT DETAILS FOR 45° SKEW, C BEAMS  
H40-27-14 LONGITUDINAL SECTION FOR 45° SKEW, A & B BEAMS  
H40-28-14 LONGITUDINAL SECTION FOR 45° SKEW, C BEAMS  
H40-29-14 SUPERSTRUCTURE DETAILS FOR 45° SKEW  
H40-30-14 DECK & ABUTMENT REINF. FOR 45° SKEW  
H40-31-14 ADDITIONAL QUANTITIES FOR 45° SKEW  
H40-32-14 A BEAM DETAILS  
H40-33-14 A BEAM DETAILS  
H40-34-14 B BEAM DETAILS  
H40-35-14 B BEAM DETAILS  
H40-36-14 C BEAM DETAILS  
H40-37-14 C BEAM DETAILS  
H40-38-14 INTERMEDIATE STEEL DIAPHRAGMS  
H40-39-14 BARRIER RAIL DETAILS 1 OF 3  
H40-40-14 BARRIER RAIL DETAILS 2 OF 3  
H40-41-14 BARRIER RAIL DETAILS 3 OF 3  
H40-42-14 OPEN RAIL DETAILS 1 OF 2  
H40-43-14 OPEN RAIL DETAILS 2 OF 2  
H40-43A-14 OPEN RAIL DETAILS 2A OF 2  
H40-44-14 PIER BEARING DETAILS

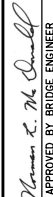

**INDEX FOR H40-14 STANDARDS (CONT'D.):**

H40-45-14 PILE BENT PIERS FOR 0° SKEW  
H40-46-14 PILE BENT PIERS FOR 0° SKEW  
H40-47-14 PILE BENT PIERS HP14 PILES FOR 0° SKEW  
H40-48-14 PILE BENT PIERS FOR 15° SKEW  
H40-49-14 PILE BENT PIERS FOR 15° SKEW  
H40-50-14 PILE BENT PIERS HP14 PILES FOR 15° SKEW  
H40-51-14 PILE BENT PIERS FOR 30° SKEW  
H40-52-14 PILE BENT PIERS FOR 30° SKEW  
H40-53-14 PILE BENT PIERS HP14 PILES FOR 30° SKEW  
H40-54-14 PILE BENT PIERS FOR 45° SKEW  
H40-55-14 PILE BENT PIERS FOR 45° SKEW  
H40-56-14 PILE BENT PIERS HP14 PILES FOR 45° SKEW  
H40-57-14 TEE PIER CAP AND COLUMN, 0° SKEW  
H40-58-14 TEE PIER CAP AND COLUMN, 0° SKEW  
H40-59-14 TEE PIER-HP10x57 SRL-1 PILE FOOTINGS 0° SKEW, H=16' TO 24'  
H40-60-14 TEE PIER-HP10x57 SRL-1 PILE FOOTINGS 0° SKEW, H=25' TO 40'  
H40-61-14 TEE PIER-HP10x57 SRL-2 PILE FOOTINGS 0° SKEW, H=16' TO 24'  
H40-62-14 TEE PIER-HP10x57 SRL-2 PILE FOOTINGS 0° SKEW, H=25' TO 40'  
H40-63-14 TEE PIER-SPREAD FOOTINGS, 0° SKEW, H=16' TO 24'  
H40-64-14 TEE PIER-SPREAD FOOTINGS, 0° SKEW, H=25' TO 40'  
H40-65-14 TEE PIER CAP AND COLUMN, 15° SKEW  
H40-66-14 TEE PIER CAP AND COLUMN, 15° SKEW  
H40-67-14 TEE PIER-HP10x57 SRL-1 PILE FOOTINGS, 15° SKEW, H=16' TO 24'  
H40-68-14 TEE PIER-HP10x57 SRL-1 PILE FOOTINGS, 15° SKEW, H=25' TO 40'  
H40-69-14 TEE PIER-HP10x57 SRL-2 PILE FOOTINGS, 15° SKEW, H=16' TO 24'  
H40-70-14 TEE PIER-HP10x57 SRL-2 PILE FOOTINGS, 15° SKEW, H=25' TO 40'  
H40-71-14 TEE PIER-SPREAD FOOTINGS, 15° SKEW, H=16' TO 24'  
H40-72-14 TEE PIER-SPREAD FOOTINGS, 15° SKEW, H=25' TO 40'  
H40-73-14 TEE PIER CAP AND COLUMN, 30° SKEW  
H40-74-14 TEE PIER CAP AND COLUMN, 30° SKEW  
H40-75-14 TEE PIER-HP10x57 SRL-1 PILE FOOTINGS, 30° SKEW, H=16' TO 24'  
H40-76-14 TEE PIER-HP10x57 SRL-1 PILE FOOTINGS, 30° SKEW, H=25' TO 40'  
H40-77-14 TEE PIER-HP10x57 SRL-2 PILE FOOTINGS, 30° SKEW, H=16' TO 24'  
H40-78-14 TEE PIER-HP10x57 SRL-2 PILE FOOTINGS, 30° SKEW, H=25' TO 40'  
H40-79-14 TEE PIER-SPREAD FOOTINGS, 30° SKEW, H=16' TO 24'  
H40-80-14 TEE PIER-SPREAD FOOTINGS, 30° SKEW, H=25' TO 40'  
H40-81-14 TEE PIER CAP AND COLUMN, 45° SKEW  
H40-82-14 TEE PIER CAP AND COLUMN, 45° SKEW  
H40-83-14 TEE PIER-HP10x57 SRL-1 PILE FOOTINGS, 45° SKEW, H=16' TO 24'  
H40-84-14 TEE PIER-HP10x57 SRL-1 PILE FOOTINGS, 45° SKEW, H=25' TO 40'  
H40-85-14 TEE PIER-HP10x57 SRL-2 PILE FOOTINGS, 45° SKEW, H=16' TO 24'  
H40-86-14 TEE PIER-HP10x57 SRL-2 PILE FOOTINGS, 45° SKEW, H=25' TO 40'  
H40-87-14 TEE PIER-SPREAD FOOTINGS, 45° SKEW, H=16' TO 24'  
H40-88-14 TEE PIER-SPREAD FOOTINGS, 45° SKEW, H=25' TO 40'  
H40-89-14 SUBDRAIN DETAILS  
H40-90-14 WING ARMORING DETAILS, A & B BEAMS  
H40-91-14 WING ARMORING DETAILS, C BEAMS  
H40-92-14 ABUTMENT BACKFILL DETAIL, A & B BEAMS - 0° SKEW  
H40-93-14 ABUTMENT BACKFILL DETAIL, A & B BEAMS - SKEWED  
H40-94-14 ABUTMENT BACKFILL DETAIL, C BEAMS - 0° SKEW  
H40-95-14 ABUTMENT BACKFILL DETAIL, C BEAMS - SKEWED

STRUCTURAL RESISTANCE LEVEL-1 (SRL-1) REPLACES THE 50 TON STEEL PILE DESIGNATION.

STRUCTURAL RESISTANCE LEVEL-2 (SRL-2) REPLACES THE 75 TON STEEL PILE DESIGNATION.

FOR MORE INFORMATION ON STRUCTURAL RESISTANCE LEVELS (SRL-1 & SRL-2), SEE THE BRIDGE DESIGN MANUAL, LOCATED ON THE IOWA DEPARTMENT OF TRANSPORTATIONS, OFFICE OF BRIDGES AND STRUCTURES, WEBSITE.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE <b>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</b> SEPTEMBER, 2014	
		INDEX SHEET	H40-01-14