

c'=4 ksi	
7y = 60 ksi 7y = 36 ksi	MIN.
7y = 36 ksi	NOTES
INTERIMS, POLICIES.	THE DESIGN SHEETS "TYPICAL CROSS SECTION, ROLLED BEAMS, 32' CLEAR ROADWAY, O° SKEW" AND "ROLLED BEAM DETAILS, 32' CLEAR ROADWAY, O° SKEW" ARE FOR USE IN CONSTRUCTION OF SINGLE SPAN BRIDGES WITH EITHER CONCRETE INTEGRAL ABUTMENTS OR STEEL CONVENTIONAL ABUTMENTS UTILIZING THE OLD I-40 CROSSTOWN SALVAGED BEAMS SIZES W33X130, W33X141, W36X135 OR W36X150.
1.	SINGLE SPAN INTEGRAL CONCRETE ABUTMENT BRIDGES: THE FOLLOWING 2009 LRFD COUNTY BRIDGE STANDARDS, OR PARTS OF THEM, ARE REQUIRED IN ADDITION TO THE DESIGN SHEETS MENTIONED ABOVE:
	CB32-I-SKO-LSECT-RB - LONGITUDINAL SECTION ROLLED BEAMS CB32-I-SKO-DKSLB-BLIST-RB - DECK SLAB BAR LIST ROLLED BEAMS CB32-I-SKO-ABUT-RB-55100 - ABUTMENT DETAILS 55' THRU 100' ROLLED BEAMS CB32-I-SKO-DIA-ABUT-RB-55100 - ABUTMENT DIAPHRAGM DETAILS 55' THRU 100' ROLLED BEAMS
	CB32-I-SKO-BRG-RB - BEARING DETAILS ROLLED BEAMS
	CB32-I-SKO-AS - APPROACH SLAB DETAILS CB2632-I-SKO-WING-RB-S5100 - WING DETAILS 55' THRU 100' ROLLED BEAMS CB2632-I-SKO-ABUT-MISC - SUBSTRUCTURE EXCAVATION AND PIPE UNDERDRAIN ASSEMBLY DETAILS
	CB2632-C.I-SK030-RB-BRACING - ROLLED BEAM BRACING DETAILS FOR PLACEMENT OF DECK SLAB CONCRETE
	CB26.32-C.I-SKO.30-GRAU-BC - GUARDRAIL ANCHOR UNIT - BRIDGE CONNECTION (MODIFY DIMENSIONS IN THESE STANDARDS AS NECESSARY.)
2.	SINGLE SPAN CONVENTIONAL STEEL ABUTMENT BRIDGES: OBSOLETE COUNTY BRIDGE STANDARD IBN-1 AND IBNA-1, OR PARTS OF THEM, ARE REQUIRED IN ADDITION TO THE DESIGN SHEETS "TYPICAL CROSS SECTION,

ROLLED BEAMS, 32' CLEAR ROADWAY, O' SKEW" AND "ROLLED BEAM DETAILS,

SUBSTITUTE AN HP 12x63 PILE OF GRADE 50 IN PLACE OF THE HP 10x42 PILE

ROLLED BEAM BRACING DETAILS FOR PLACEMENT OF DECK SLAB CONCRETE, AND

CB26..32-C..I-SKO..30-GRAU-BC - GUARD RAIL ANCHOR UNIT - BRIDGE CONNECTION, WILL

THE 2009 LRFD COUNTY BRIDGE STANDARDS CB26..32-C..I-SKO..30-RB-BRACING

SHOWN FOR THE BENT CAP. VERTICAL HP 10x42 PILES SHALL BE GRADE 50.

WELD BEARING PLATES TO THE BENT CAP AT BEAM LOCATIONS AS NEEDED TO ADJUST FOR CROSS-SLOPE. PLATE DIMENSIONS SHALL BE 8"  $\times$  (FLANGE WIDTH + 2")  $\times$  (THICKNESS REQUIRED). BEARING PLATE WELDS SHALL BE  $\$_{16}$ " FILLET WELD,

STANDARD IBNA-1 WILL NEED TO BE MODIFIED AS FOLLOWS:

## GENERAL NOTES

ALSO BE REQUIRED.

32' CLEAR ROADWAY, O' SKEW".

ALL SIDES, WITH 38" TERMINATIONS.

- STAY-IN-PLACE STEEL DECK FORMS MAY BE USED IF THE MINIMUM DECK SLAB THICKNESS OF 8" IS OBTAINED BY MEASURING FROM THE TOP OF THE DECK SLAB TO THE TOP PORTION OF THE STEEL CORRUGATION. NO ADDITIONAL CONCRETE WEIGHT OF THE DECK SLAB IS PERMITTED. ADDITIONAL STEEL WEIGHT OF THE DECK FORMS SHALL NOT EXCEED 5 PSF. STAY-IN-PLACE PRESTRESSED CONCRETE DECK FORMS MAY BE USED IF THE FOLLOWING CONDITIONS ARE MET:

1) SHOP DRAWINGS AND STRUCTURAL CALCULATIONS FOR THE FORMS ARE SUBMITTED TO THE BRIDGE ENGINEER FOR APPROVAL.

2) A NEW STRUCTURAL DESIGN, STRUCTURAL CALCULATIONS, AND A NEW REINFORCING SCHEDULE FOR THE DECK SLAB ARE SUBMITTED TO THE BRIDGE ENGINEER FOR APPROVAL.

3) SHOP DRAWINGS, NEW DECK SLAB REINFORCING SCHEDULE AND STRUCTURAL DESIGNS AND CALCULATIONS SHALL BE PREPARED BY AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OKLAHOMA.

ALL COSTS ASSOCIATED WITH THE USE OF STAY-IN-PLACE FORMS, INCLUDING ALL PROFESSIONAL SERVICES, MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS, SHALL BE AT THE CONTRACTOR'S EXPENSE. FOR ADDITIONAL INFORMATION CONCERNING THE USE OF STAY-IN-PLACE FORMS, SEE SECTION 502 OF THE STANDARD SPECIFICATIONS.

- DO NOT SAW-CUT GROOVE OR TINE THE DECK SLAB WITHIN 6" OF ANY CONSTRUCTION JOINT.

APPROVED BY BRIDGE E	ENGINEER Kuba	rd. hurch	date 4	1-27-2012	
	AHOMA DEPARTMENT COUNTY BRIDGE STAN		ION		
TYPICAL CROSS SECTION ROLLED BEAMS 32' CLEAR ROADWAY, O° SKEW					
2009 SPECIFICATIONS		CB32-XTBM-SI	<o-xsect< td=""><td>OOE</td></o-xsect<>	OOE	
				CB-977E	