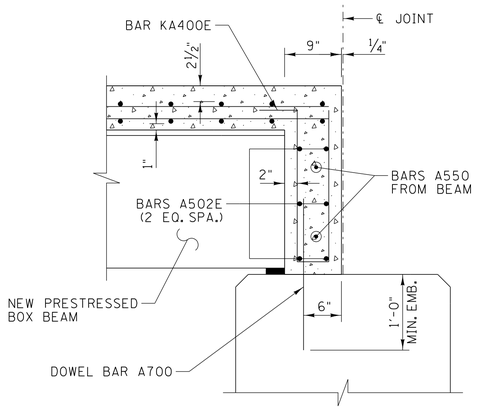
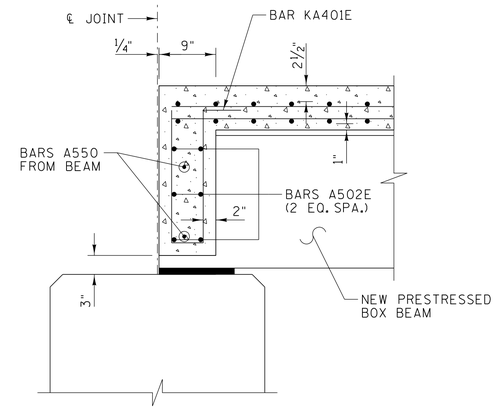


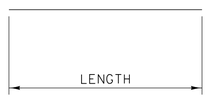
SECTION A-A

(SHOWING DIAPHRAGM REINFORCEMENT, FIXED END)
SCALE: 1" = 1'-0"

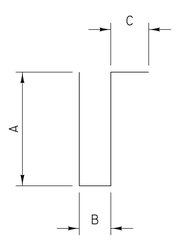


SECTION B-B

(SHOWING DIAPHRAGM REINFORCEMENT, EXP. END)
SCALE: 1" = 1'-0"



BARS A



BARS KA

BILL OF STEEL

DIAPHRAGM REINFORCEMENT (PER BEAM REPLACEMENT)

BARS	SIZE	NO. REQ'D	BENDING DIMENSIONS A	B	C	D	LENGTH
A502E	5	12					4'-10"
*A550	5	4					2'-0"
A700	7	6					2'-0"
KA400E	4	6	2'-0"	5"	6"		4'-11"
KA401E	4	6	1'-9"	5"	6"		4'-5"

NOTES:

ALL BAR DIMENSIONS ARE OUT-TO-OUT.

ALL DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO FABRICATION.

BARS ENDING IN "E" TO BE EPOXY COATED.

* ONE END TAPERED AND THREADED TO MATCH BOX BEAM INSERT THREAD REQUIREMENTS.

NUMBER REQUIRED SHOWN FOR ONE (1) BEAM REPLACEMENT (INCLUDES ONE (1) FIXED DIAPHRAGM REPLACEMENT LOCATION AND ONE (1) EXPANSION DIAPHRAGM REPLACEMENT LOCATION, SIX (6) BEAM REPLACEMENT LOCATIONS REQUIRED.

26.74

27.25

GARVER

DESIGNED BY J. L. HALBROOK DATE APR 2015
DRAWN BY C. W. THOMAS DATE APR 2015
SUPERVISED BY J. H. RUDDELL DATE APR 2015
CHECKED BY A. J. KHAIRI DATE APR 2015

TN D.O.T. ENGINEERING SUPERVISOR M. LAWSON

JLHalbrook 4/27/2015 10:49:16 AM
WORKSPACE: TDOT Bridge
L:\2015\50170002 - Repair Five Bridges Shelby County\Drawings\BRG\03 - Final\BR-118-213.dgn

PROJECT NO.	YEAR	SHEET NO.
79224-4205-04	2015	

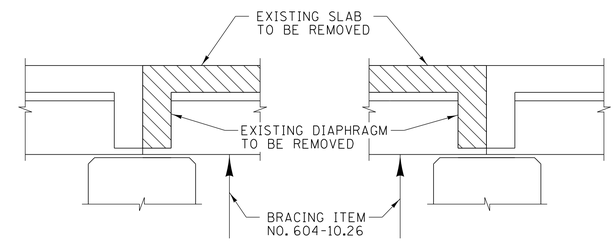
REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

SPECIAL NOTE REGARDING TEMPORARY SUPPORTS

TEMPORARY SUPPORTS WILL BE REQUIRED AT ALL LOCATIONS WHERE THE EXISTING SLAB IS TO BE REMOVED. EXISTING BEAMS ARE TO REMAIN, AND NEW CONCRETE SLAB IS TO BE PLACED (2 BRACE LOCATIONS PER BEAM, 8 BEAMS TOTAL). TEMPORARY SUPPORTS SHALL BE CAPABLE OF SUPPORTING FULL VERTICAL & LATERAL LOADS (DEAD, CONSTRUCTION, AND LIVE).

THE CONTRACTOR SHALL SUBMIT DETAILED WORKING DRAWINGS AND DESIGN CALCULATIONS TO THE ENGINEER WHICH SHOW THE TEMPORARY SUPPORT SYSTEM. BY REVIEWING THESE DRAWINGS, THE ENGINEER SHALL ASSUME NO LIABILITY UPON HIMSELF OR THE STATE OF TENNESSEE, NOR SHALL THIS RELIEVE THE CONTRACTOR FOR THE SUFFICIENCY OF THE SUPPORT SYSTEM. THE TEMPORARY SUPPORT DRAWINGS SHALL INCLUDE SIZES, DIMENSIONS AND MATERIAL SPECIFICATIONS FOR ALL MEMBERS USED. THESE CALCULATIONS AND DRAWINGS SHALL BE REVIEWED BY THE ENGINEER BEFORE ANY TEMPORARY SUPPORT WORK IS STARTED.



◑ TEMPORARY BRACING
SCALE: ½" = 1'-0"

26.74

27.25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE REPAIR DETAILS

SR14 OVER OVERFLOW
BRIDGE NO. 79-SR14-26.74
BRIDGE NO. 79-SR14-27.25

SHELBY COUNTY
2015

AMJAD S. KHAIRI
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 106650
STATE OF TENNESSEE
04/27/15

BR-118-213