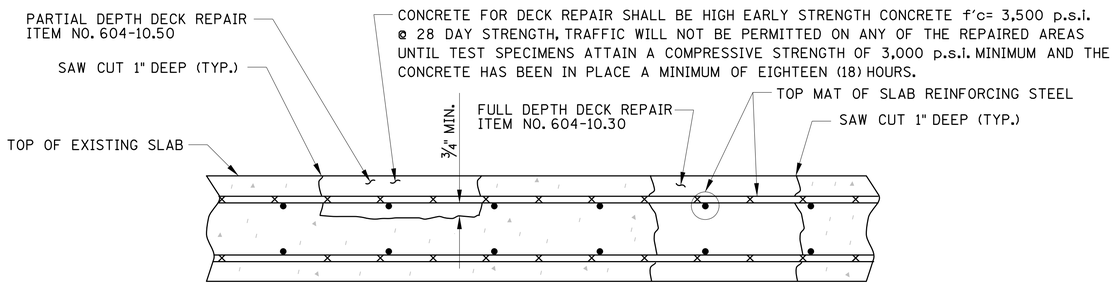
CONST. NO. _____

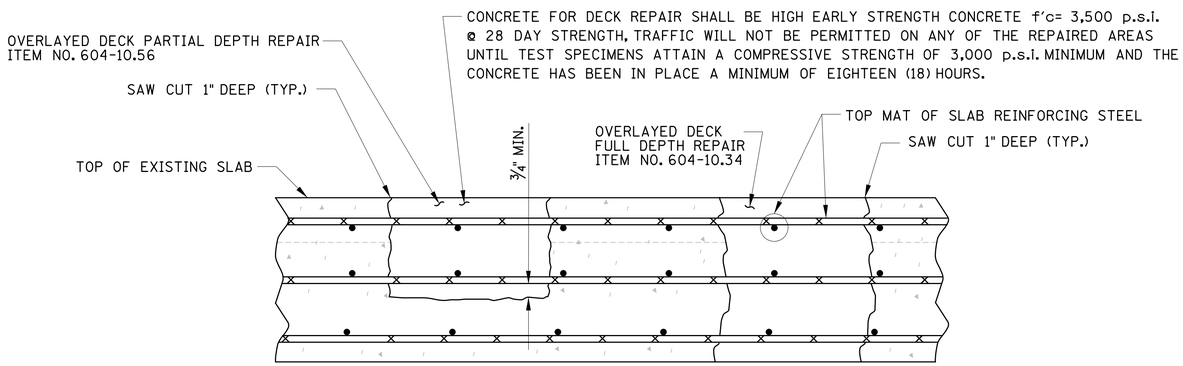
PROJECT NO.	YEAR	SHEET NO.
19012-4159-04	2014	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
1	2/4/14	GSP	ADDED SHEET TO PLANS



DETAIL SHOWING FULL AND PARTIAL DEPTH DECK REPAIR



DETAIL SHOWING FULL AND PARTIAL DEPTH CONCRETE OVERLAYED DECK REPAIR

REMOVE CONCRETE IN ALL DELAMINATED AREAS TO A DEPTH OF 3/4 " BELOW THE TOP BAR OF THE TOP MAT OF REINFORCING STEEL. ALL REINFORCING STEEL IN AREAS OF DECK REPAIR SHALL BE COMPLETELY CLEANED. AREAS OF CONCRETE REMOVAL SHALL BE DESIGNATED BY PERSONNEL FROM THE BRIDGE REPAIR OFFICE. INSPECTIONS TO DETERMINE AREAS OF DECK REPAIR SHALL BE SCHEDULED WITH THE BRIDGE REPAIR OFFICE AT LEAST THREE (3) DAYS IN ADVANCE. DECK REPAIR WILL BE PAID FOR UNDER ITEM NO. 604-10.50, BRIDGE DECK REPAIR (PARTIAL DEPTH OF SLAB), ITEM NO. 604-10.56, OVERLAYED BRIDGE DECK REPAIR (PARTIAL DEPTH OF SLAB), ITEM NO. 604-10.30, BRIDGE DECK REPAIR (FULL DEPTH OF SLAB) AND ITEM NO. 604-10.34, BRIDGE DECK REPAIR (FULL DEPTH OF SLAB). DURING PARTIAL DEPTH REPAIRS, SHOULD DETERIORATED CONCRETE BE ENCOUNTERED WHICH APPEARS TO RUN FULL DEPTH IN THE SLAB, THE ENGINEER MAY DESIGNATE THESE AREAS TO BE REPAIRED UNDER ITEM NO. 604-10.30. POWER DRIVEN HAND TOOLS USED FOR THE REMOVAL OF UNSOUND CONCRETE IN MAKING PARTIAL AND FULL DEPTH REPAIRS ARE SUBJECT TO THE FOLLOWING RESTRICTIONS: 1) (PARTIAL DEPTH REPAIRS) PNEUMATIC HAMMERS HEAVIER THAN NOMINAL 60 POUND CLASS SHALL NOT BE USED. 2) (FULL DEPTH REPAIRS) PNEUMATIC HAMMERS HEAVIER THAN NOMINAL 90 POUND CLASS SHALL NOT BE USED. ALSO ALL DECK REPAIR OVER BEAMS WILL BE RESTRICTED TO 60 POUND PNEUMATIC HAMMERS. 3) CHIPPING HAMMERS OF THE 15 POUND CLASS SHALL BE USED TO REMOVE CONCRETE FROM BENEATH ANY REINFORCING STEEL. 4) WHERE APPLICABLE, TRAFFIC CONTROL SHALL BE PROVIDED FOR TRAFFIC BELOW BRIDGE DURING PARTIAL AND FULL DEPTH DECK REPAIR.

NOTE: ITEM NO. 604-10.30, ITEM NO. 604-10.34, ITEM NO. 604-10.50 AND ITEM NO. 604-10.56 SHALL BE BID WITH THE CONTINGENCY THAT THESE ITEMS MAY BE INCREASED. DECREASED, OR ELIMINATED AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE OF ITEMS BID ON.

BRACING: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING REPAIRS. DETAILS OF ANY TEMPORARY SUPPORT SYSTEM OR FALSEWORK REQUIRED SHALL BE SUBMITTED TO THE ENGINEER BEFORE ANY REPAIR IS BEGUN. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM NO. 602-10.05.

CONCRETE FOR FULL DEPTH REPAIRS SHALL BE HIGH EARLY STRENGTH (18 HOURS). FOR HIGH EARLY STRENGTH CONCRETE NOTES, SEE DRAWING BR-114-145.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

1 BRIDGE DECK REPAIRS
NOTES & DETAILS

BRIDGE NO. 1
I-65 OVER
CSXT RAILROAD
BR. NO. 19-10065-20.10
DAVIDSON COUNTY
2014

BR-114-150A

DESIGNED BY GRESHAM SMITH & PARTNERS DATE 6/13
DRAWN BY GDY DATE 6/13
SUPERVISED BY TAK DATE 6/13
CHECKED BY TQT DATE

GS&P GRESHAM SMITH AND PARTNERS

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2/4/2014
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