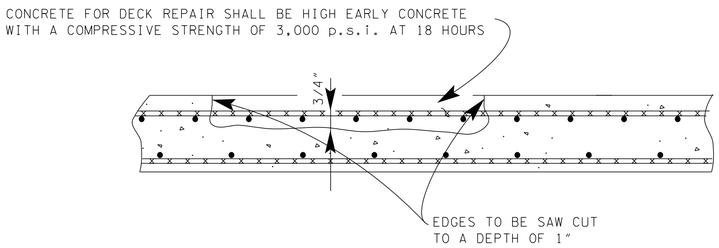
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF		94002-8193-44	B1
		NH-I-65-2(107)	
BRIDGE REPAIR		94002-4193-04	

PIN# 080466.02

TABULATION OF BRIDGE RELATED WORK AND ESTIMATED QUANTITIES

LOCATION OF BRIDGE AND BRIDGE NUMBER	REFERENCE DRAWINGS TO BE PRINTED WITH CONTRACT DRAWIGS	TYPES OF WORK	604-10.50 BRIDGE DECK REPAIR (PARTIAL DEPTH OF SLAB) SY	604-10.53 CONCRETE REPAIR (PARTIAL DEPTH OF APPROACH) SY	617-04.01 TYPE 1 THIN EPOXY OVERLAY (EPOXY URETHANE) SY
94-I65-21.25/ SR252 (94I00650035)		BRIDGE DECK REPAIR EPOXY OVERLAY	5	5	2430
		TOTAL	5	5	2430



SKETCH SHOWING DECK REPAIR

NOTE: PARTIAL DEPTH DECK REPAIR ONLY
REMOVE CONCRETE IN ALL DELAMINATED AREAS TO A DEPTH OF ¾" BELOW THE TOP BAR OF THE TOP MAT OF REINFORCING STEEL IN THE ORIGINAL DECK.

NOTE: PARTIAL DEPTH DECK REPAIRS
ALL REINFORCING STEEL IN THE AREAS OF THE DECK REPAIRS SHALL BE COMPLETELY CLEANED. CLEANING SHALL BE DONE PRIOR TO PLACING NEW CONCRETE . AREAS OF CONCRETE REMOVAL SHALL BE DESIGNATED BY PERSONNEL FROM THE HEADQUARTERS, BRIDGE INSPECTION AND REPAIR OFFICE. INSPECTIONS TO DETERMINE AREAS OF DECK REPAIR SHALL BE SCHEDULE WITH THE BRIDGE REPAIR OFFICE AT LEAST (3) DAYS IN ADVANCE.

NOTE: THE COST OF CONCRETE, CONCRETE REMOVAL, LABOR, CLEANING REBARS AND ANY MISCELLANEOUS MATERIAL REQUIRED SHALL BE PAID FOR UNDER ITEM NO. 604-10.50 BRIDGE DECK REPAIR (PARTIAL DEPTH OF SLAB), S.Y. AND

NOTE: ITEM NO. 604-10.50, BRIDGE DECK REPAIR (PARTIAL DEPTH OF SLAB) SHALL BE BID THIS MAY BE INCREASED, DECREASED, OR ELIMINATED BY THE ENGINEER.

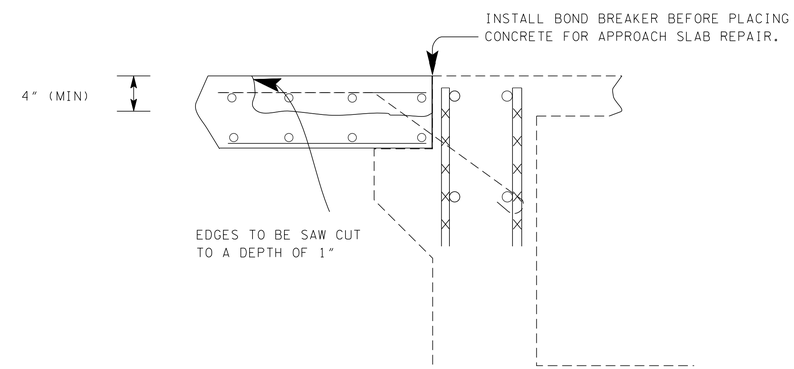
NOTE: TRAFFIC CONTROL SHALL BE PROVIDED ON ROADWAY UNDERPASS DURING PARTIAL DEPTH DECK REPAIR OF OVERHEAD BRIDGE.

POWER DRIVEN HAND TOOLS:

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 lb. CLASS SHALL NOT BE USED. ALSO TRAFFIC CONTROL SHALL BE SET UP DURING PARTIAL DEPTH REPAIRS OVER TRAFFIC. (2) FULL DEPTH REPAIRS; PNEUMATIC HAMMERS HEAVIER THAN NOMINAL 90 lb.CLASS SHALL NOT BE USED. ALSO ALL DECK REPAIR OVER BEAMS WILL BE RESTRICTED TO 60 lb. PNEUMATIC HAMMERS. (3) CHIPPING HAMMERS OF THE 15 lb.CLASS SHALL BE USED TO REMOVE CONCRETE FROM BENEATH ANY REINFORCING STEEL.

BRIDGE DECK REPAIR MATERIAL

IF OVERNIGHT LANE CLOSURES ARE PROVIDED FOR THIS PROJECT AND THE LANE CLOSURES ARE SUCH THAT TRAFFIC WILL BE KEPT OFF THE BRIDGE DECK WHERE DECK REPAIRS WILL BE MADE. THEN HIGH EARLY STRENGTH CONCRETE SHALL BE USED WITH A COMPRESSIVE STRENGTH OF 3,000 p.s.i. AT 18 HOURS. THE CONTRACTOR SHALL PROVIDE PROOF PRIOR TO BEGINNING WORK THAT PROPOSED CONCRETE MIX WILL OBTAIN REQUIRED PROPERTIES. PROOF SHALL BE PROVIDED BY AN INDEPENDENT TESTING COMPANY AND SUBMITTED TO THE MATERIAL AND TEST DIVISION OF TENNESSEE DEPARTMENT OF TRANSPORTATION FOR APPROVAL. TRAFFIC SHALL NOT BE ALLOWED ON REPAIRED AREAS UNTIL THE CONCRETE HAS BEEN IN PLACE A MINIMUM OF 18 HOURS



CONCRETE APPROACH PAVMENT REPAIR DETAILS.

NOTE: REMOVE CONCRETE TO A DEPTH OF ¾" MINIMUM BELOW EXISTING REINFORCING STEEL OR TO SOUND CONCRETE. CONCRETE REMOVAL SHOULD BE TO A MINIMUM DEPTH OF 4". DEPTH FOR CONCRETE REMOVAL SHOULD NOT BE MORE THAN 6".

NOTE: CONCRETE FOR APPROACH SLAB REPAIR SHALL BE HIGH EARLY CONCRETE WITH A COMPRESSIVE STRENGTH OF 3,000 p.s.i. AT 18 HOURS.

NOTE: COST OF SAW CUTTING, CONCRETE REMOVAL, COMPLETELY CLEANING EXPOSED REINFORCING STEEL, LABOR, AND ANY MISCELLANEOUS MATERIALS NECESSARY TO COMPLETE THE REPAIRS AS SHOWN SHALL BE INCLUDED IN ITEM NO. 604-10.53 CONCRETE REPAIR S.Y.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE TABULATION AND ESTIMATED QUANTITIES

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