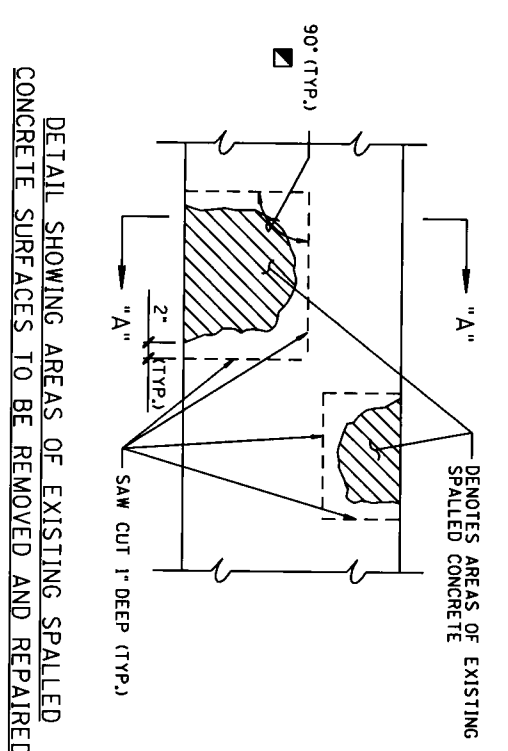


CONSTR. NO. 951.00-01.05-44		
PROJECT NO.	YEAR	SHEET NO.
1M-40-S11(40)	2011	
REVISIONS		
NO.	DATE	BY

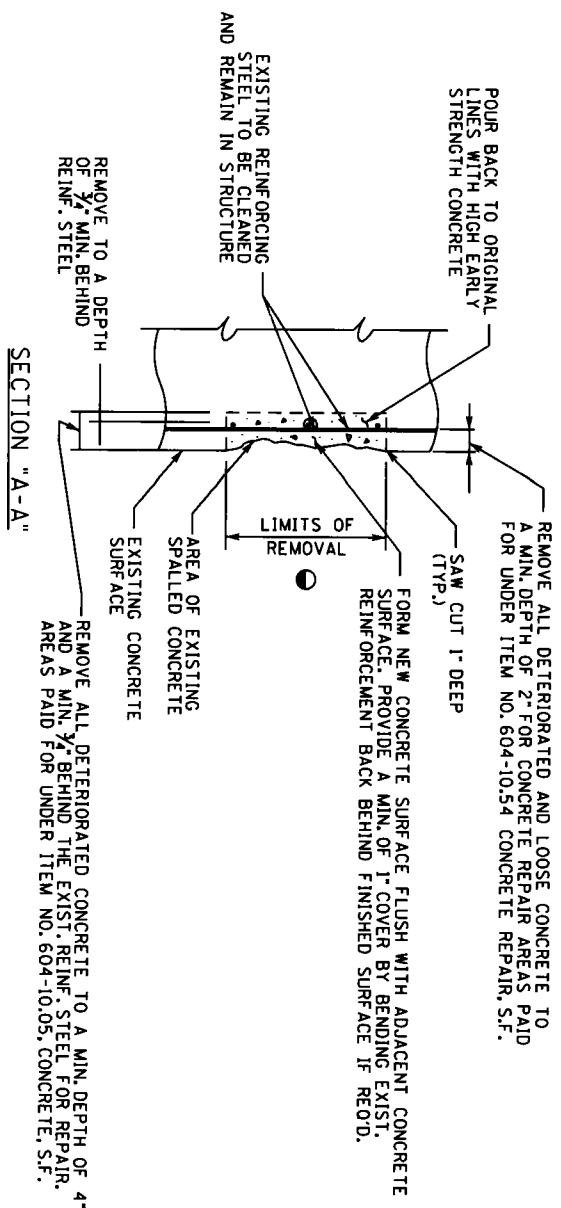


- DENOTES: LIMITS AND LOCATION OF REPAIRS DESIGNATED ON THE CONCRETE REPAIR SHEETS.
- ☑ DENOTES: SAW CUT EXISTING CONCRETE SURFACES SO AS TO OBTAIN SQUARED CORNERS.

NOTE: THE COST OF REMOVING PORTIONS OF THE EXISTING CONCRETE WITHIN THE LIMITS SHOWN, SAW CUTTING, COMPLETELY CLEANING EXISTING REINFORCING STEEL, HIGH EARLY STRENGTH CONCRETE, FORMING, LABOR AND ALL MISCELLANEOUS MATERIAL NECESSARY TO COMPLETE THE REPAIRS AS SHOWN SHALL BE INCLUDED IN PRICE BID FOR ITEM NO. 604-10.54, CONCRETE REPAIRS, S.F.

NOTE: ITEM NO. 604-10.54, CONCRETE REPAIRS, S.F. SHALL BE BID WITH THE CONTINGENCY THAT IT MAY BE INCREASED, DECREASED OR ELIMINATED AS DIRECTED BY THE ENGINEER.

1. ITEM NO. 604-10.05, CONCRETE, S.F. INCLUDES, THE COST OF FORMING, LABOR, CONCRETE, AND ALL MISCELLANEOUS MATERIAL (EXCEPT REINFORCING STEEL) NECESSARY TO REPAIR THE DEFICIENT AREAS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE AND DETAILS OF THE STRUCTURE DURING SLAB REPLACEMENT. DESIGN CALCULATION AND DETAILS OF TEMPORARY SUPPORT SYSTEM OR FALSEWORK REQUIRED SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND SHALL MEET WITH THE FULL SATISFACTION OF THE ENGINEER BEFORE ANY DEMOLITION IS BEGUN. COST OF STABILIZING THE STRUCTURE SHALL BE INCLUDED IN ITEM NO. 602-10.05, BRACING REPAIRS, I.S.
3. EXTREME CARE SHALL BE TAKEN WHEN REMOVING DETERIORATED CONCRETE FROM THE PIER CAP SO AS NOT TO DAMAGE THE EXISTING REINFORCING STEEL. ALL EXPOSED REINFORCING STEEL SHALL BE COMPLETELY CLEANED TO THE SATISFACTION OF THE ENGINEER BEFORE REPAIRING.
4. COST OF REINFORCING STEEL REQUIRED TO REPLACE DETERIORATED OR DEFICIENT SECTIONS SHALL BE INCLUDED IN ITEM NO. 604-02.03, EPOXY COATED REINFORCING STEEL. LOCATIONS OR SECTIONS OF STEEL TO BE REPLACED ARE TO BE DETERMINED BY THE ENGINEER DURING DEMOLITION OF THE PIER CAP. ANY NEW REINFORCING STEEL SHALL BE EPOXY COATED.
5. THE ENGINEER SHALL HAVE THE OPTION OF DESIGNATING A SPALL AREA TO BE REPAIRED UNDER ITEM NO. 604-10.05 OR ITEM NO. 604-10.54. PATCHING MATERIAL FOR ITEM NO. 604-10.05 SHALL BE HIGH EARLY STRENGTH CONCRETE. PATCHING MATERIAL FOR ITEM NO. 604-10.54 SHALL BE A POLYMER MODIFIED CEMENTITIOUS STRUCTURAL PATCHING MATERIAL. SEE QUALIFIED PRODUCTS LIST 13, SECTION B.6.
6. EXTREME CARE SHALL BE TAKEN WHEN REMOVING THE EXISTING SPALLED CONCRETE SO AS NOT TO DAMAGE THE EXISTING REINFORCING STEEL. ALL EXPOSED REINFORCING STEEL SHALL RECEIVE A COMPLETE CLEANING TO REMOVE ALL RUST. ALL EXISTING REINFORCEMENT SHALL REMAIN IN PLACE. ALL WORK MUST MEET WITH THE FULL APPROVAL OF THE ENGINEER.
7. THE ENGINEER SHALL DESIGNATE ALL SPALLED CONCRETE REPAIR AREAS IN THE FIELD. QUANTITIES GIVEN ARE APPROXIMATE. ITEM NO. 604-10.05 AND ITEM NO. 604-10.54 SHALL BE BID WITH THE CONTINGENCY THAT IT MAY BE INCREASED, DECREASED, OR ELIMINATED BY THE ENGINEER.
8. POWER DRIVEN HAND TOOLS USED FOR REMOVAL OF UNSOUND CONCRETE ARE SUBJECT TO THE FOLLOWING RESTRICTIONS:
 - A. PNEUMATIC HAMMERS HEAVIER THAN 35 LB. CLASS SHALL NOT BE USED.
 - B. CHIPPING HAMMERS OF THE 15 LB. CLASS SHALL BE USED TO REMOVE CONCRETE FROM BEHIND REINFORCING STEEL AND BEAM END REPAIRS.
9. COST OF SAW CUTTING, REMOVING SPALL CONCRETE, CLEANING, PATCHING MATERIAL, LABOR AND ANY MISCELLANEOUS MATERIALS NECESSARY TO COMPLETE THE REPAIRS AS SHOWN TO BE INCLUDED IN ITEM NO. 604-10.05, CONCRETE, S.F. OR ITEM NO. 604-10.54, CONCRETE REPAIRS, S.F.
10. LIMITS AND LOCATION OF REPAIRS TO BE DESIGNATED BY THE ENGINEER. TEMPORARY BRACING MAY BE REQUIRED AND INCLUDE IN ITEM NO. 602-10.05.
11. SEE BRIDGE GENERAL NOTES FOR INFORMATION ON HIGH EARLY STRENGTH CONCRETE.



STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

CONCRETE REPAIR DETAILS
INTERSTATE 40 OVER WILSON CREEK
BRIDGE NO. 95-140-7.43 (LL & RL)
WILSON COUNTY
2011

DESIGNED BY	DATE
Checked by	DATE
Supervised by	DATE
Checked by	DATE