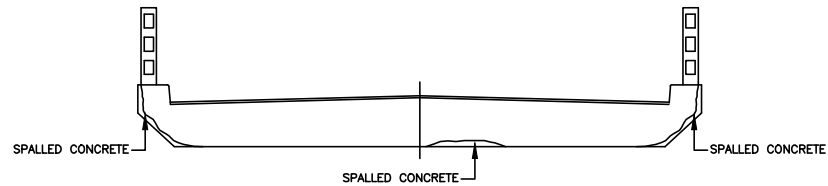
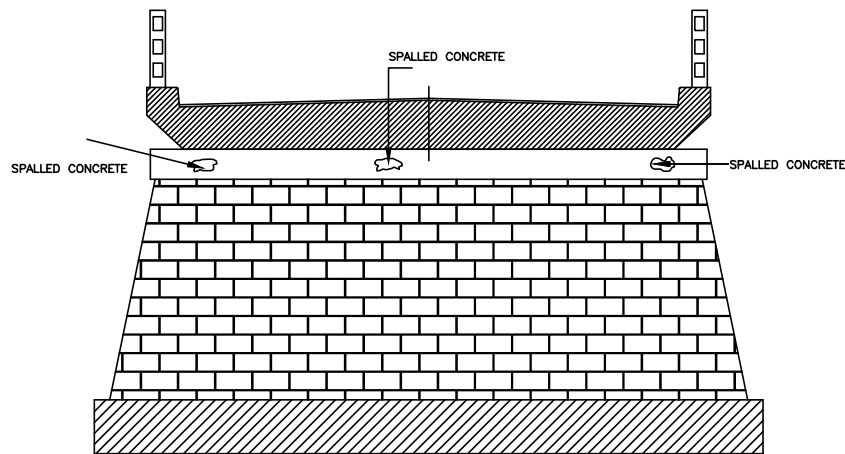


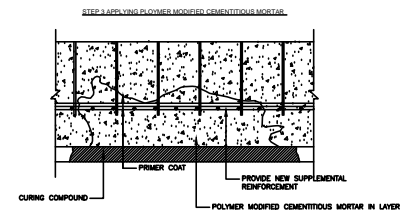
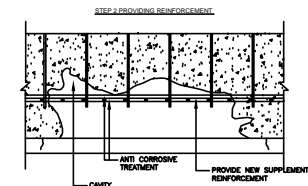
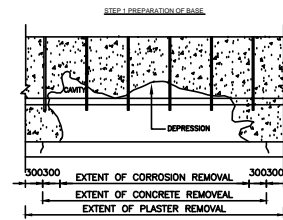
TYPICAL SECTION SHOWING SPALLED OUT COCRETE IN RCC T-BEAM DECK SLAB



TYPICAL SECTION SHOWING SPALLED OUT CONC IN RCC SOLID SLAB



TYPICAL SECTION SHOWING OUT CONC. IN RCC PIER CAP



Step-1

1. Demarcate the damaged area
2. Remove plaster cover or coating, if any
3. Remove all loose concrete and expose rusted reinforcement
4. Identify extent of corrosion of reinforcement and remove concrete 300mm beyond rusted length and remove plaster 600mm beyond rusted length.
5. Cut edges of concrete base neat and square and in rectilinear pattern.
6. Hack back to sound concrete and roughen exposed concrete.
7. Clean spalled concrete with filtered compressed air.

Step-2

1. Cut and remove any severely corroded and detached reinforcement.
2. Clean remaining reinforcement with the help of specified anticorrosive treatment.
3. Provide and anchor new supplemental reinforcement and/or wire mesh as required.

Step-3

1. Primer slurry coat shall be applied with the help of stiff nylon bristle brush on spalled out surface.
2. Before the primer coat is fully cured, Polymer modified cementations mortar shall be applied by means of trowels and floats.
3. The interval between the application of primer coat and pmc mortar shall be 15 to 30 minutes depending upon the ambient temperature.
4. The total thickness of PMC mortar shall be applied in multiple layers of thickness 25mm or manufacture's recommendations by trowel.
5. Repaired surface shall be matched with original existing surface and curing be carried out by curing compound.

**DETAIL OF C.C. CRACK REPAIR**

DEPUTY EXECUTIVE ENGINEER STATE ROAD PROJECT DIVISION RAJKOT	EXECUTIVE ENGINEER STATE ROAD PROJECT DIVISION RAJKOT	SCALE : NOT TO SCALE	STATE ROAD PROJECT DIVISION RAJKOT	GOVERNMENT OF GUJARAT ROADS AND BUILDINGS DEPARTMENT
SAVARKUNDLA - DHASA ROAD SH 021 & 236 ROAD MAINTENANCE PROGRAMME				DATE:      PROJECT:      DWG No:      REV.