

SECTION 2250 – UTILITY PATCH REQUIREMENTS

PART 1 - GENERAL

- 1.01 SCOPE:** This section covers pavement removal and replacement for all incursions into the pavement caused by utility main and service repairs. Pavement maintenance activities that cause incursions, such as pothole repair, joint repair, or delamination repair, are not covered by this section.
- 1.02 SALVAGE AND DISPOSAL:** Excavated material shall be lawfully disposed of off site. Contractor shall make all arrangements necessary for disposal of materials.
- 1.03 PERMITS:** Contractor shall obtain a right of way use permit for the work. Contractor shall obtain a haul permit from the Unified Government if operations require on-street transportation of earth or excavated rock.
- 1.04 RELATED WORK:** Refer to the following sections for the indicated related work.

Asphalt mixes	Section 4000-Plant Mix Asphalt
Concrete mixes	Section 3000-Concrete Materials and Methods
Curb and walk repairs	Section 3100-Concrete Pavement and Flatwork
Tiebars and dowels	Section 3000-Concrete Materials and Methods

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

- 3.01 PATCH LAYOUT:** Size and orientation of patch is dependent on size of the excavation, the age and type of pavement, and the classification of the road. Refer to detail drawings for limitation on patch layout.
- 3.02 PATCH EXTENSION AND MERGING:** Patches near the edge of pavement or near a joint in the pavement will be extended. Patches in recently placed or overlaid asphalt shall include an extended surface course mill and overlay. Adjacent patches shall be merged when sufficiently close. Refer to detail drawings for additional extension and merging requirements.
- 3.03 PAVEMENT REMOVAL:** Pavement shall be cut wider than the excavation to provide a shoulder of undisturbed earth under the edges of the patch. Refer to detail drawings for overcut requirements. Pavement cut shall produce a full depth vertical face in sound pavement. If pavement is asphalt over concrete or brick, the asphalt cut shall be stepped back from the cut in the rigid base prior to patching. Where a portion of a pavement, curb, walk, or wall is to be left in place, the portion removed shall stop at an existing joint or a sawn joint. Joints shall be sawn or sliced full depth along a straight line and with a perpendicular face. No method of cutting, breaking or excavation that would vibrate or

dislocate remaining pavement shall be used. If patch edges are damaged, they shall be recut into sound pavement.

3.04 PATCHES IN ASPHALT PAVEMENT: See reference in Part 1 for asphalt mix requirements. Concrete base course shall be placed. Base shall extend to bottom of existing pavement or 8 inches below top of pavement whichever is thicker. A 2-inch asphalt surface course shall be placed over the cured concrete.

3.05 PATCHES IN CONCRETE PAVEMENT: See reference in Part 1 for concrete requirements. Patches shall be tied or dowelled into existing concrete on all sides. Tiebar end in existing concrete shall be grouted in place. Refer to detail drawings for location of ties and dowels. See reference in Part 1 for material specs for ties and dowels. Patch shall be covered with a plate until concrete reaches 3/4 of its design strength or seven days, whichever is shorter. Concrete base shall be placed flush with existing pavement surface and finished to match existing surface.

STANDARD DETAILS RELATED TO THE WORK OF THIS SECTION:

- UG 2250-A ASPHALT PAVEMENT PATCH
- UG 2250-B PAVEMENT PATCH IN FAILED PAVEMENTS
- UG 2250-C CONCRETE PAVEMENT PATCH
- UG 2250-D PATCH MERGING – CASE 1
- UG 2250-E PATCH MERGING – CASE 2

END OF SECTION 2250