

SECTION 02575
PAVEMENT REPAIR

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. This section covers the materials and procedures used in the repair of roads, streets, or other public rights-of-way where a sewer line or structure is proposed.

1.02 RELATED WORK

- A. Section 02220 - Excavation, Backfilling and Compacting.

1.03 REGULATIONS AND STANDARDS

- A. All permanent repairs of streets, roads, or other public rights-of-way shall comply with the requirements shown in the Standard Detail Drawings and Tables. The Contractor is responsible for following the requirements of all local Ordinances, Regulations, or Codes governing the repairs to roads, streets, or other public rights of way. In particular:
 - 1. Repair of State Highways: per requirements of the Arkansas State Highway Commission.
 - 2. Repair of county roads: per requirements of the County Roads Department.
 - 3. Repair of City of Little Rock streets: per the requirements of City Ordinance 17512 or the latest revision of said ordinance.
 - 4. Permit for street cut and repairs shall be obtained by the Contractor.

- B. Temporary Repairs: Per requirements of the governmental agency having jurisdiction and these specifications. Must provide a minimum of a cold mix temporary patch for all temporary repairs.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. Per the applicable standards referenced above.

PART 3 - EXECUTION

3.01 ASPHALT PAVEMENT REPAIRS

- A. Asphalt pavement shall be replaced in accordance with details shown in the Standard Details and all materials shall be furnished and installed in accordance with the Arkansas Highway and Transportation Department "Standard Specifications for Highway Construction." Before replacing paved surfacing, the existing pavement shall be cut, sawed, or trimmed along straight and vertical lines. The condition of the backfill and base course material, with special regard to the degree of compaction, may be checked and approved by the Owner before any surfacing is replaced.
- B. Before placement of new surface material, all excess material shall be removed to a minimum depth of ten (10) inches. A minimum of eight (8) inches of 3000 psi concrete shall be placed within two (2) inches of the street surface. Before placing asphalt, the concrete and sides of the cut shall be primed with MC-30 at the rate of 0.3 gallon per square yard.
- C. Minimum thickness of asphalt surface replacement shall be two (2) inches, unless shown otherwise. Hot mix asphalt material shall be delivered to the site in covered vehicles, at 275 deg-F (minimum), and immediately spread to a thickness

to match adjacent surfaces after rolling. Compaction shall be by steel-wheel roller to a smooth, uniform surface matching adjacent surfaces.

- D. Any settlement or failure of surface replacement shall be repaired or replaced by the Contractor.
- E. All pavement repairs shall be in accordance with the Standard Detail Drawings.
- F. All pavement markings shall be restored to new conditions per the requirements of the governmental agency having jurisdiction.

3.02 CONCRETE PAVEMENT REPAIRS

- A. Concrete pavement shall be replaced in accordance with details shown on the Drawings and all materials shall be furnished and installed in accordance with the Arkansas Highway and Transportation Department “Standard Specifications for Highway Construction.” Before replacing paved surfacing, the existing pavement shall be cut, sawed, or trimmed along straight and vertical lines. The condition of the backfill and base course material, with special regard to the degree of compaction, may be checked and approved by the Owner before any surfacing is replaced.
- B. Before placement of concrete street material, all excess material shall be removed to a minimum depth of eight (8) inches. A minimum of eight (8) inches of 3000 psi concrete shall be placed to match the line and grade of existing street surface.
- C. Paved walkways disturbed or damaged in the process of construction shall be replaced in kind. Walkway shall be replaced to same width and thickness as original but in no case less than 4-inches thick. Joint system in replacement shall be at same style and interval as that in the undisturbed walkway.
- D. All pavement repairs shall be in accordance with the Standard Detail Drawings.
- E. All pavement markings shall be restored to new conditions per the requirements of the governmental agency having jurisdiction.

3.04 GRAVEL SURFACING

- A. Gravel surfacing shall be replaced to at least the compacted thickness of the original surface. All excavated material shall be removed from gravel surfaces affected by construction and sufficient new gravel material shall be placed to restore the original surfaced area.
- B. Gravel material for placement of "gravel" surfaced areas, shall be Class 7 material conforming to the Standard Specifications of the Arkansas Highway & Transportation Department, latest edition.

3.05 TEMPORARY SURFACING

- A. Comply with the requirements stated above or as otherwise approved to adequately maintain traffic and proper drainage.

3.06 TRAFFIC CONTROL

- A. Whenever traffic flow restrictions of any kind are anticipated, the Contractor will be required to contact the City of Little Rock Traffic Control Division to be given permission to obstruct traffic flow.
- B. Street closing permits must be obtained from proper government agencies.
- C. Construction signs shall be placed immediately adjacent to the Work, at such locations as traffic demands.
- D. The Contractor shall notify law enforcement agencies, fire departments, and other impacted agencies and personnel.
- E. Contractor will be required to submit a barricade plan to Little Rock Public Works and the Engineer of Record.

END OF SECTION 02575