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Case 11-18

DATE: February 23, 2012

TO: MAG Specifications and Details Committee Members

FROM: Peter Kandaris, SRP Representative  
Outside of Right-of-Way Working Group

RE: **Section 350: Removal of Existing Improvements**

Purpose: Section 350 needs updating to include detailed information on handling utilities when renovations occur within the right-of-way and backfill of voids left from removals where structures are to be installed (manholes, vaults, etc.). Additionally, payment for removals should delineate specific removal items to insure that the scope is understood during the bid process.

Revisions:

- a) Add new language in Section 350.2.1 for utility locating, abandonment and removal.
- b) Make the paragraph referencing Section 336 more generic to include all requirements, not just pavement cuts.
- c) Include language in Section 350.2.3 to define backfill and compaction requirements for voids left from removals. Present language only provides for trench backfill and compaction.
- d) Identify payment for removals for each item.

## SECTION 350

### REMOVAL OF EXISTING IMPROVEMENTS

#### 350.1 DESCRIPTION:

This work shall consist of removal and disposal of various existing improvements, such as pavements, structures, pipes, conduits, curbs and gutters, and other items necessary for the accomplishment of the improvement.

#### 350.2 CONSTRUCTION METHODS:

##### 350.2.1 Utilities

The removal of existing improvements shall be conducted in such a manner as not to injure active utilities or any portion of the improvement that is to remain in place. ~~See Section 107.~~

Removal work shall comply with the requirements of Arizona Revised Statutes-40-360.21 through 40-360.29 (one call system, Blue Stake) in notification to the interested utility owners prior to start of work. The Contractor shall resolve all problems with the utility owners concerned.

Utilities shall not be abandoned in place below new structures that are part of the work. In all other cases, any in-place utility abandonment shall be allowed if abandonment is noted on the plans. Otherwise, abandoned utilities shall be removed.

Utilities to be removed shall be disconnected and taken out in accordance with the requirements of the utility owner to the limits shown on the plans. Utility removal shall not be performed until a release has been obtained from the utility stating that their respective service connection and appurtenant equipment have been disconnected, removed or sealed and plugged in a safe manner.

The Engineer shall be contacted if utilities are encountered during the work that are not shown on the plans. These previously unknown utilities shall be marked on the installation record drawings.

##### 350.2.2 Others

Sidewalks shall be removed to a distance required to maintain a maximum slope for the replaced portion of sidewalk, for one inch per foot and all driveways shall be removed to a distance as required by standard details.

Existing concrete driveway curbs and gutters shall be removed to the right-of-way line and the new end of curb faced.

Portland cement concrete pavements, curbs and gutters and sidewalks designated on the plans for removal shall be saw-cut at match lines, in accordance with Section 601 and removed.

Asphalt concrete pavements designated on the plans for removal shall be ~~cut in accordance with~~ meet the requirements of Section 336.

Removal of trees, stumps, roots, rubbish, and other objectionable materials in the right-of-way shall be done in accordance with Section 201.

**350.2.3 Backfill and Disposal**

Backfill of all excavated areas below structures shall be in accordance with Section 206.4. Backfill and compaction of all other excavated areas shall be compacted to the densities as prescribed in Section 601 (trenches) or Section 211 (holes, pits or other depressions).

All surplus materials shall be immediately hauled from the jobsite and disposed of in accordance with Section 205.6.

**350.3 MISCELLANEOUS REMOVAL AND OTHER WORK:**

This work shall include, but not be limited to the following, where called for on the plans:

- (A) Relocate existing fence and gate.
- (B) Remove and reset mail boxes.
- (C) Remove signs and bases in right-of-way.
- (D) Remove planter boxes, block walls, concrete walls, footings, headwalls, irrigation structures, and storm water inlets.
- (E) Install plugs for pipes and remove existing plugs as necessary for new construction.
- (F) Remove wooden and concrete bridges.
- (G) Remove median island slabs.
- (H) Remove pavements and aggregate base where called for outside the roadway prism.

**350.4 PAYMENT:**

Payment for removals will be made at the unit ~~bid-proposal~~ prices ~~bid in the applicable proposal~~ pay for each removal items, which price shall be full compensation for the item complete, as described herein or on the plans.