

Amend **Section 202 - Removal of Structures and Obstructions** to read as follows:

"SECTION 202 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS

202.01 Description. This section is for the removal and disposal of buildings, fences, structures, old pavements, abandoned pipelines, and other obstructions designated or not permitted to remain; salvaging of designated materials and backfilling the resulting trenches, holes, and pits; and rearranging of utility and non-highway facilities, existing highway improvements, and portland cement concrete to remain. Rearrangement includes installation, relocation, alteration, salvaging, removing and disposing of structures and obstructions.

When the proposal does not include pay items for this section, conduct that work under Section 203 - Excavation and Embankment.

202.02 Materials. None specified.

202.03 Construction Requirements. The Contractor shall exercise every precaution to preserve and protect structures, fences, and utilities to remain or removed by others according to Subsections:

- (1) 107.16 - Protection and Restoration of Property and Landscape,
- (2) 107.20 - Contractor's Responsibility for Work, and
- (3) 107.21 - Contractor's Responsibility for Utility Property and Services.

(A) Obstructions. Remove obstructions that interfere with construction according to the contract including

- (1) signs, posts, raised bars, guardrails, and structures placed for the information, safety, direction, or control of traffic;
- (2) monuments, fences, and headers;
- (3) curb and gutter, drainage and sewerage structures except those constructed of portland cement concrete;

(B) Removal Methods. Obliterate existing roads that are not to remain in place. Obliteration includes rooting, plowing, pulverizing or scarifying to a minimum depth of 6 inches or to the bottom of the

underlying base, whichever is less. Place an earth cover of not less than 6 inches in thickness. Submit an earth cover for acceptance.

Break up bituminous material into pieces not larger than 4 inches in greatest dimension. Mix the bituminous material with an equal quantity of underlying material. Shape the ground to provide a presentable and well-drained area.

Backfill trenches, holes, depressions and pits left by the removal of the obstruction with embankment material.

Remove abandoned utility lines, such as pipes and conduits, within the roadbed area to a depth of at least 24 inches below finished grade.

Seal the pipes that the contract calls to abandon with:

- (1) a tight-fitting plug,
- (2) a wall of Class A or Class B concrete not less than 6 inches thick, or
- (3) a brick wall not less than 8 inches thick with cement mortar joints.

Demolish abandoned manholes to an elevation 3 feet below finished grade. Also, backfill the abandoned manholes as required by the contract. Salvage the manhole frame and cover according to Section 604 - Storm Drain Manholes, Drop Inlets and Catch Basins.

(C) Disposal. Dispose of the materials according to Subsection 201.03(B) - Removal and Disposal of Material.

(D) Removal of Concrete. Remove existing concrete slabs, foundations, and old pavements within the roadbed areas to a depth of at least 3 feet below finished grade.

Cut portions of concrete curbs, gutters, sidewalks, aprons, driveways and pavements to remain to a depth of 1-1/2 inches with a power-drive abrasive saw. The saw cut shall be neat and true with no shattering or spilling of the portion of concrete remaining in place or joining with the new work.

Remove the concrete without damaging the concrete that is to remain in place. Repair damages at no cost to the State.

Clean the existing reinforcement thoroughly that is to be incorporated in the new work material before embedding reinforcement in new concrete at no cost to the State.

The Contractor may break the removed concrete into pieces not larger than 2 feet in greatest dimension. Also, the Contractor may bury the removed concrete in adjacent embankments at a depth of not less than 3 feet below finished grade. Do not bury the removed concrete in areas where the contract calls for driving piles. Also, do not bury the removed concrete within 10 feet of trees, pipelines, poles, buildings or other permanent objects or structures. Submit in writing for acceptance by the Engineer the manner the removed concrete may be disposed of and at such locations. When the Contractor chooses to dispose of that material outside the highway right-of-way, make such disposal according to Subsection 201.03(B) - Removal and Disposal of Material.

Remove and dispose of reinforcing or other steel encountered in concrete according to Subsection 201.03(B) - Removal and Disposal of Material.

Break the concrete pavements and similar slabs upon which embankments are to be constructed into pieces not larger than 2 feet in greatest dimension. Leave them in place, provided the depth of the pieces shall be not less than 3 feet below finished grade.

(E) Removal of Bridges. Removal of bridges includes removing, salvaging, reconstructing and disposing of the entire or portions of the structures. Bridges may be constructed of timber, structural steel, or reinforced concrete.

Conduct partial removal operations causing the least interference to public traffic. Do not start complete removal operations until public traffic is no longer routed over the structure to be removed.

Carefully remove materials that the contract calls to salvage. Stockpile the salvaged material near the site as designated. Mark the steel members so they may be matched later. Carefully remove timber members and deliver them to a designated baseyard as specified by the Engineer.

When damaging or destroying the salvaged or used materials in the reconstructed work, repair or replace that material at no cost to the State.

When the contract does not call to salvage the materials, remove and dispose the materials according to Section 201 - Clearing and Grubbing.

Remove pilings, piers, abutments and pedestals to at least 12 inches below ground line.

The Contractor may dispose broken concrete in adjacent embankments according to Subsection 202.03(D) - Removal of Concrete.

When the contract calls for removing portions of a bridge, conduct the work without damage to the portion that is to remain in place.

The Contractor shall protect from damage and thoroughly clean adhering material from the existing reinforcement incorporated in the new work before embedding in fresh concrete.

202.04 Method of Measurement. The Engineer will not measure the removal of structures and obstructions for payment.

202.05 Basis of Payment. The Engineer will pay for the accepted removal structures and obstruction on a contract lump sum basis.

The price includes full compensation for removing and disposing of that item; excavating; backfilling; salvaging of materials removed including their custody, preservation, and storing on the right-of-way; and furnishing equipment, tools, labor, materials, and incidentals necessary to complete the work.

The Engineer will make payment under:

Pay Item	Pay Unit
Removal of _____	Lump Sum"

END OF SECTION