

**SUPPLEMENTAL CONDITIONS AND SPECIFICATIONS**  
**SHE-47-15.25; PID 84129**  
**PROJECT: SR 47 Railroad Spur Bridge Removal**

This project shall conform to the Ohio Department of Transportation Construction and Material Specifications dated January 1, 2010, and the City of Sidney Standard Engineering Standards as noted on the plans. The most restrictive shall apply as determined by the OWNER.

**Project Description:** Project includes erosion control, asbestos abatement, working with lead based paint, superstructure removal, concrete pier removal, drainage swale creation, concrete flatwork, guardrail removal and restoration, chain link fence installation, seeding and mulching; traffic control and maintenance.

**Project Location:** Located in Shelby County, in the City of Sidney over SR 47, 232 feet west of the intersection of Walnut Avenue and SR 47(Court St).

**Plan Scope:** Plans are considered general in nature for bid purposes. It is expected that field adjustments will be required during this project and the contractor shall make allowances for this in the contract amounts. All critical locations and elevations are to be field verified by layout and submittal by the contractor, which must be approved by the City Engineer before placement and ordering, failure to comply, is at the contractor's risk.

**Endangered Species Habitat:** Prior to the removal of the existing bridge, the underside of the bridge should be carefully examined for the presence of bats, especially from April 1 to September 30. If any bats are found roosting on the underside of the bridge, contact the US Fish and Wildlife Service at 614-469-6923. The requirement is for information gathering purposes only and will not result in the delay of the project.

**Proper Shoring and Bracing:** Safe methods shall be used at all times when any part of this project is performed including superstructure removal. Proper bracing shall be used at all times to safely secure remaining structure parts until they are removed. This includes bracing for wind load from natural sources and traffic.

**Asbestos Material Abatement:** The contractor shall read and follow the recommendations contained in the Asbestos and Lead Based Paint Survey prepared by CTL Engineering and included in these contract documents unless modified herein these contract documents. This including but is not limited to; removal of all asbestos material by an Ohio Licensed Asbestos Abatement Contractor prior to demolition, submission and full execution of the Ohio EPA Notification of Demolition and Renovation form at the appropriate times, the contractor shall notify the appropriate local government entities. The contractor shall make allowances in the bid to facilitate and assist the abatement contractor to investigate and remove all the gray expansion joint material on the bridge in a timely manor. The contractor shall make allowances in the bid for any additional asbestos material abatement not estimated and provided in table 1 of the Asbestos and Lead Based Paint Survey, including any asbestos materials that may be discovered during demolition. All costs for asbestos material abatement shall be included in bid reference item 3, Removal of Bridge Superstructure.

**Lead Base Paint:** The contractor is hereby notified that there is lead based paint on this structure and the contractor shall follow all OSHA standard regulations and protocol during the demolition process including but not limited to 29 CFR 1926.62. The contractor shall read and follow the recommendations contained in the Asbestos and Lead Based Paint Survey prepared by CTL Engineering relating to lead paint.

All workers on this bridge demolition project shall have blood samples taken and tested for lead prior to starting work on this project and upon completion of work on this project.

All debris related to the demolition process shall be legally disposed of. The contractor shall make allowances in the bid for any additional testing required to determine their regulatory status and proper methods of disposal. Any wash or cleaning materials that may contain lead from the project shall be contained within the project site, collected and disposed of in a legal manner. The contractor shall make sure no lead materials, at any time, are allowed into the stormwater sewer system.

All cost related to lead based paint requirements shall be included in bid reference item 3, Removal of Bridge Superstructure.

**CSX Railroad:** The contractor shall read and follow the special clauses regarding CSX Transportation contained within this document. All costs required to comply with special clauses including railroad insurance shall be included in Ref. No. 3.

**Bid Items:** Items on the bid list are considered complete and all incidentals shall be included in the bid item. The Contractor shall furnish all management, labor, tools, forms, fuel, equipment, appliances, machinery, transportation and materials of whatever nature, necessary or proper for the work in hand and shall perform and complete within the time limit specified, all of the work indicated or implied by the plans, profiles, drawings, specifications or estimated quantities prepared for this improvement, including the removal of surplus or condemned materials and the thorough cleaning of the site of the work.

**Item 202, Removal of Bridge Superstructure (Ref. No. 3):**

This item shall follow ODOT standards, as referenced above, except as herein included in these supplemental specifications. This item shall include, but is not limited to, the complete removal of the bridge superstructure. The existing north and south abutments shall remain in place and shall be protected from damage resulting from the bridge removal process. The remaining railroad ballast shall be removed to grade, from within 20 feet of the two abutments with the cost included in this item. All supports and temporary bracing required to safely remove the structure shall be included in this bid item.

The remaining abutment and associated wingwall structures shall be left in a safe and visually satisfactory condition. All metal bearing plates, rockers, flashing, bolts and anchor bolts shall be removed. Any damage to the wingwalls or abutments shall be restored to a safe and aesthetically pleasing condition with approved grout or other means as approved by the project engineer.

**The current bridge has lead in the paint system and asbestos materials in the construction materials, the contractor must take all precautions and steps necessary to safely remove the bridge structure and clean up the site once the bridge has been removed. Any permits or other items required to legally remove the structure shall be included in this bid item.**

This item shall include, but is not limited to, all materials and labor contractor shall need to clear and make passable the existing railroad spur tracks from the intersection of Walnut Avenue and Poplar Street to the bridge for access to the bridge. The contractor is expected to assess the project along the old rail line. All costs related to this work are included in this item including any and all mobilization. Structure shall be removed in such a way as not to damage any pavement, existing wingwalls, abutments, or any portion of the project to remain in place. Any rails removed shall be staged in an area directed by the CSX railroad. The rails are the property of the CSX railroad.

All debris resulting from demolition operations, i.e., broken concrete, masonry, pipe, miscellaneous metal, trees, brush, etc., shall be trucked from the work site by the contractor and disposed of in accordance with State and local codes governing said disposal. The contractor shall police the hauling of

debris to ensure that all spillage from haul trucks is promptly and completely removed from public and railroad rights-of-way.

**Item 202, Concrete Center Pier Removal (Ref. No. 4):**

This item shall follow ODOT standards, as referenced above, except as herein included in these supplemental specifications. This item shall include, but is not limited to, the complete removal of the concrete center pier. The center pier shall be removed to within one foot of the top of grade. The contractor shall protect and take care of the existing concrete paving. Any damage to the concrete paving will be the responsibility of the contractor to restore at the contractor's cost. The contractor shall remove only one foot of concrete flatwork. Any additional flatwork removed or damaged shall be at the contractor's cost. The contractor shall set up traffic control to allow for the safe removal of the concrete center pier.

**Item 203, Drainage Swale Excavation (Ref. No. 5):**

This item shall include, but is not limited to, all excavation and embankment to cut a drainage swale as shown on the plan sheets, south of the southern-most abutment. This diversion swale shall be through the railroad ballast stone and into the ground at least six inches below soil grade. The swale will drain to the east and along the toe of slopes on the abutment.

**Item 607, 8' - Chain Link Fence (Ref. No. 8):**

This item shall include, but is not limited to, Type CL chain-link fence with top rail. The fabric shall be 9 gage galvanized fence material. Metal posts and top rail shall be grade 1 or full weight set in concrete.

**Item 609, Concrete Replacement 8" (Ref. No. 9):**

This item shall include, but is not limited to, replacing the concrete pavement where the concrete center support pier was removed to within one foot of the top of grade. The contractor shall protect and take care of the existing concrete paving. Any damage to the concrete paving will be the responsibility of the contractor to restore at the contractor's cost. The quantities reflect 8" of concrete to be replaced all the way around the center support pier. Granular backfill and compaction is required to bring the subgrade to proper level.

**Item 614, Maintaining Traffic - Traffic Control (Ref. No. 10):**

This item shall include, but is not limited to, all equipment and materials to set up and maintain the *local traffic control* during this removal project in compliance with ODOT construction traffic control specification and as noted on the plan sheets.

The closure on SR 47 shall be kept at a minimum. Only at times that require a full closure of SR 47, such as when the main beams are picked, or is required for removal staging shall SR 47 be closed and the other detours be utilized. The contractor shall identify these times, as much as possible, in the project schedule.

Otherwise, the contractor shall maintain one lane of traffic in each direction by closing the two lanes under the work zone and utilizing the remaining lane for traffic flow, with City Engineer approval. The contractor shall transition traffic with signs and barrels. The transition shall start at Wilkinson Avenue and end at Walnut Avenue. Once removals have taken place over the northern two lanes or the southern lanes the contractor shall shift the traffic control to the other two lanes. Speeds shall be reduced through this construction zone as per the Project Engineer and the contractor shall supply signage for this speed reduction. Signage shall meet ODOT Construction and Materials Specifications manual plus the barricades shall have a flashing light on at least every third barricade. The contractor shall perform any additional traffic control as directed by the city inspector at no additional cost.

Additionally, ODOT will provide, erect, maintain and subsequently remove the detour signing for *all state routes affected by this project*. Contractor is to make a written request to ODOT fourteen (14) days in advance of the work.

**Item 659, Seeding and Mulching (Ref. No. 12):**

This item shall include, but is not limited to, all that is required to place and secure 4 inches of topsoil in areas that are stripped of vegetation including where the diverting drainage swale has been cut in the railroad ballast and where the ballast has been removed 20 feet from the edges of the abutments. Soil preparation, topsoil, seeding, and mulch shall be as per ODOT Construction and Materials Specifications manual and the seed shall be the roadside mixture, all included in this item.