

## SECTION 01 71 43

## SITE SPECIFIC WORK PLAN (SSWP)

## PART 1 - GENERAL

## 1.01 DESCRIPTION

- A. This Section specifies the requirements for Contractor access to and work within MUNI facilities.
- B. The requirements specified herein are in addition to requirements specified elsewhere in the Contract. All work must be performed and completed in accordance with these and other requirements specified elsewhere in the Contract.

## 1.02 SUBMITTAL

- A. Site Specific Work Plan as specified herein.

## 1.03 SITE SPECIFIC WORK PLAN (SSWP)

- A. Definitions:
  - 1. Operating System: Facilities, equipment, and installations that are essential for normal revenue operation, including but not limited to, Overhead Contact System and communications.
  - 2. Operating Envelope: That portion of Muni system within the facilities, equipment and installations wherein trains and trolley coaches operate.
  - 3. Window: Approved time periods during which active tracks or trolley coaches are removed from service for construction purposes and within which all related construction activities must be completed.
  - 4. Site Specific Work Plan (SSWP): A proposed work plan and schedule prepared and submitted by the Contractor and approved by the City Representative, which accurately describes and illustrates the manner in which work within the operating envelope will be accomplished within the specified hours in the approved windows.
- B. General:
  - 1. All proposed work and work access within the operating envelope requires a Site Specific Work Plan (SSWP) to be approved by the City Representative prior to starting the work. This includes Contractor activities using equipment or procedures which, should they fail, would adversely affect Muni's operating envelope or otherwise impact Muni's operation.
  - 2. All work in the SSWP shall be performed during the approved hours and following the special instructions listed in the Work Order Package. Interruption to Muni's revenue service should be minimized and might not be permitted.
  - 3. The Contractor shall furnish all labor and equipment as required to perform and complete the work within the specified hours in the approved windows. The

Contractor shall maintain the approved schedule in the SSWP.

C. Purpose:

1. To describe the construction and/or installation work to be performed at specific locations where trolley usage or other interfaces with the operating system is required. It includes all activities necessary to perform any work within the operating envelope.
2. To describe how each activity affects the operating system.
3. To define the scope of work, schedule including clearance permit request, cut-in requirements, testing, contingency plans for returning the system back to normal operations, and any modifications to the operating system between start and finish of such work.
4. To allow potential problems to be monitored and give warning of possible overruns to the schedule provisions.
5. To cause the implementation of the Contractor's contingency plans when schedule overruns cannot be averted.

D. Elements of SSWP: Each SSWP shall be comprised of the following: (See Attachment 1, total of 9 pages, at end of this Section)

1. Title sheet with the signatures of the Contractor and the City Representative.
2. Detailed Description of Work: This includes an attached hourly work plan including testing, Contractor-furnished equipment, Contractor's manpower, OCS and feeder de-energization / relocation, any Muni support required including vehicles for OCS testing.
3. Schedule of SSWP Milestone Events: Contractor shall provide schedule for all activities showing 1-hour increments throughout the period covered by the SSWP. Each SSWP that impacts any part of the operating system must be broken down into separate activities of no longer than one hour each. The schedule shall include a time at which all activities planned under the SSWP will be completed.
4. Site specific contingency plan to restore the system back in operation in case of an emergency and in case the Contractor fails to perform and complete the work in accordance with the approved schedule. Contingency plans shall address the various stages of construction. Failure of the Contractor to complete the scheduled activities by the planned time or to put in place an approved contingency plan so that the system is available for operations at the approved completion time shall make the Contractor liable for liquidated damages for each hour or part of an hour that the operation of the system is delayed.
5. Each schedule will include a completion time for each activity on the SSWP. Failure of the Contractor to complete the scheduled activities or to put in place the approved contingency plan by the completion time makes the Contractor liable for liquidated damages.
6. Duty sheet listing name and telephone number of the Contractor's Site Superintendent who shall be present for the designated periods. Also, emergency telephone numbers for the City Representative, Muni Central Control, fire department, police, and ambulance shall be listed.

7. Pre-Construction Condition Drawing: Contractor will provide a drawing in scale showing pre-construction conditions of the OCS including street names, dimensions, configurations, and locations of all existing components / hardware within scope of work and use property lines as reference lines. The recorded information should include, but not limited to, trolley wires, poles, guywires, spans, and hangers. The information provided on the drawing should be concise, accurate and with sufficient details similar to an as-built drawing.
  8. Proposed Work Drawing: Contractor will provide a drawing in scale showing detail proposed work to be done under each Work Order Package. The Contractor will use Pre-Construction Condition Drawing as the base to show the proposed work. The proposed work should include all details of new hardware and fittings to ensure proper installation. Information should include, but not limited to, locations of insulators, new trolley wires, jumpers, hangers, and pull offs. Proposed work drawing should be clear and should provide sufficient information for City Representative to review and determine if the work is acceptable per Code/requirements.
- E. Submittal: The SSWP shall be submitted to the City Representative at least four (4) weeks prior to gaining approval for the start of work. The City Representative may request explanations and changes to the SSWP to conform the SSWP to the contract requirements. If the SSWP is not acceptable, the Contractor shall revise the SSWP to make it acceptable.
- F. Acceptance: Approval of SSWP is conditional upon the Contractor assembling the resources necessary to perform the work represented by the SSWP and Muni Operations and Maintenance plans. The necessary resources must be available and demonstrated as ready for use at the beginning of the work week. At that time, the City Representative will decide whether the work is to proceed as planned or be postponed. This decision will be based on the state of readiness of the Contractor. However, Muni Operations and Maintenance plans may also affect the decision.
- G. Safety: The SSWP shall address safety procedures acceptable to the City Representative that provide for immediate, 24 hours per day, 7 days a week, Muni, police, and fire department access to all work areas within the Muni operating envelope.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

END OF SECTION