



TECHNICAL PROPOSAL REPORT

Agreement: E00520	Project Specific	Active
Name: I-95 at US 322 Interchange Project		Selection Process: Normal Initiating Org: Engineering District 6-0
Supplement: 8	Normal	Executed
Description: add additional services during construction		

Part 7 - Services During Construction

Description

ITS support services

Task 1 - Shop Drawing Review

Objective:

2.11.2

This task involves the coordination, review and approval of shop drawings submitted by the contractor in accordance with Publication 10/10A, Design Manual 1/1A.

Scope:

2.11.2

Review and approve shop drawings following the procedures in Design Manual Part 1A.

Detail Task 3 - Shop Drawing Review

Department Details:

The task includes the following:

1. Design and submittal review to additional ITS devices to the project including: 4 CCTV, 2 DMS, and RTMC Upgrades

Approach:

At the direction of PennDOT's Resident Engineer, AECOM will review all design drawings/ shop drawings for non-standard items submitted by the Contractor. This will include all ITS design submittals, equipment, test plan submittals, training submittals, and other documentation. All review will be in accordance with the procedures outlined in Design Manual Part 1A. The distribution of design and shop drawings will be in accordance with the agreed to procedures from the Resident Engineer.

This includes design and submittal reviews related to the additional ITS devices added to the project including:

- SMP Phase A – two additional CCTV at I95/I-476 interchange
- SMP Phase B – two additional CCTV and two additional DMS on US 1 at I-476 interchange.
- RTMC Upgrades – new operator workstations and space layout revisions, radio and video sharing upgrades

Task 2 - Construction Consultation

Objective:

2.11.3

This task is coordination with the contractor prior to issuance of the notice to proceed.

Scope:

2.11.3

Upon contract execution, issue a Notice-to-Proceed letter and coordinate the scheduling of a pre-construction meeting.

Detail Task 3 - Construction consultation

Department Details:

The task includes the following:

1. Additional consultation during construction related to additional ITS devices being added to the project.

Approach:

AECOM will provide technical support to the Construction Manager, Resident Engineer, and the District's engineering and field staff for any questions arising during construction. Consultations will include elaboration of design intent, evaluation of contractor proposals which deviate from the contract documents and engineering support necessary to address unexpected field conditions.

AECOM will have staff available on-call for consultation throughout the life of the construction contract. AECOM will be available to attend the Pre-Construction meeting, construction field views and Project Control Meetings. AECOM will be available to revise design calculations, drawings and permits, etc if necessary due to any deviations from the contract documents.

This includes efforts for meetings, preparing change order scope of work, conceptual plans for device locations, and conceptual construction cost estimates related to the additional ITS devices added to the project, coordination with Traffic operations to address their comments and obtain approvals related to the following:

- SMP Phase A – two additional CCTV at I95/I-476 interchange
- SMP Phase B – two additional CCTV and two additional DMS on US 1 at I-476 interchange.
- RTMC Upgrades – new operator workstations and space layout revisions, radio and video sharing upgrades

Task 3 - Other Post-Design Activities

Objective:

2.11.99

This includes any other necessary PennDOT post design activities for the project which are not otherwise covered under the standard post design

tasks.

Scope:

2.11.99

Provide work as detailed by the Department. See Below.

Detail Task 3 - Other Post Design Activities

Department Details:

The task includes the following:

- 1. Provides assistance for the integration of additional ITS equipment.

Approach:

AECOM will provide assistance for the integration of all ITS equipment. We will assist in the conduct of all tests and review of test documentation as noted below:

- Assisting in the conduct of “stand alone” field tests prior to system tie-in;
- Assisting in the conduct of the fiber optic cable tests;
- Monitoring the tie-in and test of the field equipment input terminations and interfaces with central operations;
- Checking the functional operation of the communications subsystems, and their interface with the computer, and control and display systems; and,
- Assisting in the conduct and monitoring of the final system acceptance tests and operations support program.

Consultant Hierarchy

Business Partner

DBE Type

Supervising BP

AECOM Technical Services, Inc.	No	
--------------------------------	----	--

Attachments

No records found.

You are currently logged in as **Madeline M. Roadcap**.

Release: 22.1
Session size: 0.1k

[PennDOT](#) | [Home](#) | [Site Map](#) | [Help](#) | [Pennsylvania](#)
Copyright © 2009 Pennsylvania Department of Transportation. All Rights Reserved.
[PennDOT Privacy Policy](#)

Wed Aug 22 14:07:19 EDT 2012
Official ECMS Date/Time