

TECHNICAL PROPOSAL REPORT

Agreement: E01513	Project Specific	Active
Name: Tyrone Sink Run Culverts 1 & 2		Selection Process: Modified Initiating Org: Engineering District 9-0
Supplement: 1	Normal	Executed
Description: provide for, under Part 2, a scope of work change to the traffic control task and a new public involvement meeting to inform the public of these changes		

Part 1 - Preliminary Engineering, Tyrone Sink Run Culvert 1

Description

Part 1 will consist of preliminary engineering and environmental services for the replacement of a stone arch culvert on S.R. 0453, Section 006, Blair County, Tyrone Borough, over Sink Run, BMS #07-0453-0110-0440.

Task 1 - Project Management/Administration

Objective:

2.1.1 - Project Management/Administration

This task consists of the administrative effort required by principals, project manager, and involved personnel to complete the project on time and within budget, and to provide a quality product.

2.1.1.1 - Meetings

This task includes meeting preparation, attendance and documentation in the form of minutes. This includes Project Status, Design Review and Special Purpose Meetings.

2.1.1.3 - Quality Control/Quality Assurance

This task consists of the effort to administer the QC/QA policies and procedures.

2.1.1.4 - Preliminary Cost Estimates/PMC Approvals

This task involves the preparation of preliminary cost estimates for the project and all steps necessary to obtain PMC approval.

2.1.1.5 - Project Schedule Development and Maintenance

The purpose of this task is to prepare and maintain a design schedule that ranges from Scoping Field View to Contract Award.

2.1.1.7 - Project Reporting

This task consists of periodically reporting project schedule and budget progress.

2.1.1.10 - Consultations

This task involves the consultation with various in-house departments or personnel.

2.1.1.12 - Inter/Intra Agency Coordination

This task includes the coordination of project activities with all of the regulatory/resource agencies.

Scope:

2.1.1 - Project Management/Administration

Project Management involves the planning, scheduling, organizing and controlling of resources to achieve specific objectives within established schedule, budget and quality standards. The Project Manager is responsible for the tasks outlined in the Department Detail.

2.1.1.1 - Meetings

Attend all project meetings as necessary, including meeting preparation and minutes. Meetings will include but will not be limited to:

Project Status Meetings

Design Review Meetings

Special Purpose Meetings (e.g., Kick-off Meeting, Design Field View, etc.)

Public Meetings

Preparation for the meetings will include an agenda and any visuals necessary to conduct the meeting.

Meeting minutes will be prepared in a timely and accurate manner.

2.1.1.3 - Quality Control/Quality Assurance

Quality Control and Quality Assurance practices and procedures need to be incorporated and administered.

PennDOT has implemented procedures to place additional responsibilities on consultants for quality of work. The consultants will be required to submit a corporate quality plan and submit job specific Quality Development plans for PennDOT approval. As part of quality reviews, process reviews, and IAPs, these plans and the consultants' conformance to them will be monitored, evaluated and documented.

Design Manual Part 1A can be used as a source of information to develop QC/QA policies and procedures.

2.1.1.4 - Preliminary Cost Estimates/PMC Approvals

Develop a preliminary cost estimate based on the best available information. The cost estimate should include all anticipated costs including design, right-of-way acquisition, utilities, construction, etc.

2.1.1.5 - Project Schedule Development and Maintenance

Guidance:

- Publication 615, Scheduling Manual
- All applicable strike-off-letters
- ECMS (Project Management Homepage)

Scope:

1. Develop a design schedule utilizing Deltek's Open Plan software. The design schedule will be developed in accordance with Publication 615 using the Department's PDSRPRJ and PDSMASTER templates.
2. Maintain the design schedule utilizing Deltek's WelcomHome software.
3. Document all schedule issues to ensure that the project is let on time.

Scope Subtasks:

1. Coordinate the schedule development with the entire project team. The project team includes but is not limited to the District Portfolio Manager, the District Project Manager, various District functional units, the Bureau of Design, the Federal Highways Administration and various environmental agencies. Development of the schedule will consist of reviewing the schedule to ensure it contains the appropriate activities. There may be the need to add or delete activities to make the schedule specific to a given project. The review and modification of durations or relationships should also be performed to ensure that the schedule is setup to meet the desired completion date.
2. Prepare a draft of the design schedule that will be reviewed by the project team either in conjunction with a project status meeting or offline depending on the frequency of these meetings. The draft will, if approved, become the initial project schedule and be maintained through the remainder of the project.
3. Monthly progress of the design schedule activities will be input into Deltek's WelcomHome software. The schedule update day of the month will be specified by the District Project Manager to ensure that they have appropriate time to review proposed schedule changes prior to acceptance.
4. In the event that a major change in schedule occurs the Department will provide an Open Plan backup file (bk3) so that revisions can be made and resubmitted to the Department. Re-submittal shall follow the same process as the initial schedule development.

Scope Deliverables:

1. Provide the project team a draft design schedule in portable document format (PDF) and/or hard copy. The draft will contain relationships and durations so that they can be reviewed along with the activities that are included in the schedule. Schedules provided in portable document format (PDF) shall be submitted either by email or CD-ROM.
2. Upon acceptance of the schedule by the project team an Open Plan backup file (bk3) shall be provided to the District Project Manager either by email or CD-ROM.
3. Resubmit major revisions to the design schedule, as an Open Plan backup file (bk3), to the District Project Manager either by email or CD-ROM.
4. All schedule documentation shall be provided in MS Word compatible format to the District Project Manager either by email or CD-ROM.

2.1.1.7 - Project Reporting

On a regular basis (i.e., monthly or as necessary) prepare a project status report of which should address the current status of the project schedule and budget. Note any areas of concern such as delays in the project schedule or potential cost overruns.

2.1.1.10 - Consultations

Meetings with in-house departments or personnel should be conducted on a regular basis or as needed. Document all meetings in the form of meeting minutes for the project file.

2.1.1.12 - Inter/Intra Agency Coordination

1. Invite all regulatory/resource agencies to scoping field view meetings in accordance with Publication 10/10A, Design Manual Part 1/1A.
2. Discuss methodologies for identifying and analyzing environmental impacts with the regulatory/resource agencies and ask for their input.
3. Request regulatory/resource agencies' attendance at any project meetings/hearings.

Detail Task 1 - Project Management/Administration

Department Details:

The consultant will prepare and distribute to appropriate parties the minutes of all meetings and telephone conversations where directions or decisions are made. The minutes are to be distributed within 10 calendar days following the meeting or telephone conversation.

The consultant shall provide construction cost updates on a monthly basis or as required by the Department.

The consultant shall prepare the project design schedule using an Open Plan template to be provided by the Department. The consultant shall submit a baseline schedule to the Department for approval within three weeks following issuance of Notice-To-Proceed. Following approval of the baseline schedule, the schedule should be progressed and submitted to the Department on a monthly basis. The monthly updates in WELCOM HOME will be completed by the 25th of each month.

The consultant will thoroughly check all design submissions before submitting them to the Department for review. The Department reviews will be cursory in nature and the consultant will be responsible for design and plan accuracy. All computation sheets shall bear the initials of both the individual who prepared the calculations and the individual who checked the calculations. The Department reviews will be cursory in nature and the consultant will be responsible for design and plan accuracy. The consultant will have a goal of two submissions per report to receive District approval. The consultant will be liable for design and plan errors in accordance with 67 PA Code, Chapter 455, Consultant Highway Design Errors.

The prime consultant will be responsible for subconsultants and DBE progress. All submissions prepared by subconsultants will be submitted through the prime consultant's office. The prime consultant will be responsible for the accuracy and quality of work prepared by subconsultants.

For archiving into the ECMS Project Development Checklist, the following reports (once approved in writing by the District or the appropriate permitting agency) will be provided by the consultant to the District in electronic, PDF format:

- Line, Grade, and Typical Section Submission
- Final TS&L Report, including RSGER
- Final Joint Permit Application (including H&H Report)
- E&S Report/NPDES Permit Submission
- Design Field View Submission

Approach:

cancelled

Consultant Hierarchy

Business Partner

DBE Type

Supervising BP

Larson Design Group, Inc.

No

Attachments

No records found.

Part 2 - Final Design, Tyrone Sink Run Culvert 1

Description

Part 2 will consist of final design services for the replacement of a stone arch culvert on S.R. 0453, Section 006, Blair County, Tyrone Borough, over Sink Run, BMS# 07-0453-0110-0440.

Task 1 - Project Management/Administration

Objective:

2.1.1 - Project Management/Administration

This task consists of the administrative effort required by principals, project manager, and involved personnel to complete the project on time and within budget, and to provide a quality product.

2.1.1.1 - Meetings

This task includes meeting preparation, attendance and documentation in the form of minutes. This includes Project Status, Design Review and Special Purpose Meetings.

2.1.1.3 - Quality Control/Quality Assurance

This task consists of the effort to administer the QC/QA policies and procedures.

2.1.1.4 - Preliminary Cost Estimates/PMC Approvals

This task involves the preparation of preliminary cost estimates for the project and all steps necessary to obtain PMC approval.

2.1.1.5 - Project Schedule Development and Maintenance

The purpose of this task is to prepare and maintain a design schedule that ranges from Scoping Field View to Contract Award.

2.1.1.7 - Project Reporting

This task consists of periodically reporting project schedule and budget progress.

2.1.1.10 - Consultations

This task involves the consultation with various in-house departments or personnel.

2.1.1.12 - Inter/Intra Agency Coordination

This task includes the coordination of project activities with all of the regulatory/resource agencies.

Scope:

2.1.1 - Project Management/Administration

Project Management involves the planning, scheduling, organizing and controlling of resources to achieve specific objectives within established schedule, budget and quality standards. The Project Manager is responsible for the tasks outlined in the Department Detail.

2.1.1.1 - Meetings

Attend all project meetings as necessary, including meeting preparation and minutes. Meetings will include but will not be limited to:

Project Status Meetings

Design Review Meetings

Special Purpose Meetings (e.g., Kick-off Meeting, Design Field View, etc.)

Public Meetings

Preparation for the meetings will include an agenda and any visuals necessary to conduct the meeting.

Meeting minutes will be prepared in a timely and accurate manner.

2.1.1.3 - Quality Control/Quality Assurance

Quality Control and Quality Assurance practices and procedures need to be incorporated and administered.

PennDOT has implemented procedures to place additional responsibilities on consultants for quality of work. The consultants will be required to submit a corporate quality plan and submit job specific Quality Development plans for PennDOT approval. As part of quality reviews, process reviews, and IAPs, these plans and the consultants' conformance to them will be monitored, evaluated and documented.

Design Manual Part 1A can be used as a source of information to develop QC/QA policies and procedures.

2.1.1.4 - Preliminary Cost Estimates/PMC Approvals

Develop a preliminary cost estimate based on the best available information. The cost estimate should include all anticipated costs including design, right-of-way acquisition, utilities, construction, etc.

2.1.1.5 - Project Schedule Development and Maintenance

Guidance:

- Publication 615, Scheduling Manual
- All applicable strike-off-letters
- ECMS (Project Management Homepage)

Scope:

1. Develop a design schedule utilizing Deltek's Open Plan software. The design schedule will be developed in accordance with Publication 615 using the Department's PDSRJR and PDSMASTER templates.

2. Maintain the design schedule utilizing Deltek's WelcomHome software.

3. Document all schedule issues to ensure that the project is let on time.

Scope Subtasks:

1. Coordinate the schedule development with the entire project team. The project team includes but is not limited to the District Portfolio Manager, the District Project Manager, various District functional units, the Bureau of Design, the Federal Highways Administration and various environmental agencies. Development of the schedule will consist of reviewing the schedule to ensure it contains the appropriate activities. There may be the need to add or delete activities to make the schedule specific to a given project. The review and modification of durations or relationships should also be performed to ensure that the schedule is setup to meet the desired completion date.

2. Prepare a draft of the design schedule that will be reviewed by the project team either in conjunction with a project status meeting or offline depending on the frequency of these meetings. The draft will, if approved, become the initial project schedule and be maintained through the remainder of the project.

3. Monthly progress of the design schedule activities will be input into Deltek's WelcomHome software. The schedule update day of the month will be specified by the District Project Manager to ensure that they have appropriate time to review proposed schedule changes prior to acceptance.

4. In the event that a major change in schedule occurs the Department will provide an Open Plan backup file (bk3) so that revisions can be made and resubmitted to the Department. Re-submittal shall follow the same process as the initial schedule development.

Scope Deliverables:

1. Provide the project team a draft design schedule in portable document format (PDF) and/or hard copy. The draft will contain relationships and durations so that they can be reviewed along with the activities that are included in the schedule. Schedules provided in portable document format (PDF) shall be submitted either by email or CD-ROM.

2. Upon acceptance of the schedule by the project team an Open Plan backup file (bk3) shall be provided to the District Project Manager either by email or CD-ROM.

3. Resubmit major revisions to the design schedule, as an Open Plan backup file (bk3), to the District Project Manager either by email or CD-ROM.

4. All schedule documentation shall be provided in MS Word compatible format to the District Project Manager either by email or CD-ROM.

2.1.1.7 - Project Reporting

On a regular basis (i.e., monthly or as necessary) prepare a project status report of which should address the current status of the project schedule and budget. Note any areas of concern such as delays in the project schedule or potential cost overruns.

2.1.1.10 - Consultations

Meetings with in-house departments or personnel should be conducted on a regular basis or as needed. Document all meetings in the form of meeting minutes for the project file.

2.1.1.12 - Inter/Intra Agency Coordination

1. Invite all regulatory/resource agencies to scoping field view meetings in accordance with Publication 10/10A, Design Manual Part 1/1A.
2. Discuss methodologies for identifying and analyzing environmental impacts with the regulatory/resource agencies and ask for their input.
3. Request regulatory/resource agencies' attendance at any project meetings/hearings.

Detail Task 1 - Project Management/Administration

Department Details:

The consultant will prepare and distribute to appropriate parties the minutes of all meetings and telephone conversations where directions or decisions are made. The minutes are to be distributed within 10 calendar days following the meeting or telephone conversation.

The consultant shall provide construction cost updates on a monthly basis or as required by the Department.

The consultant shall progress the schedule and shall submit the updated Open Plan design schedule to the Department on a monthly basis.

The consultant will thoroughly check all design submissions before submitting them to the Department for review. The Department reviews will be cursory in nature and the consultant will be responsible for design and plan accuracy. All computation sheets shall bear the initials of both the individual who prepared the calculations and the individual who checked the calculations. The Department reviews will be cursory in nature and the consultant will be responsible for design and plan accuracy. The consultant will be liable for design and plan errors in accordance with 67 PA Code, Chapter 455, Consultant Highway Design Errors.

The prime consultant will be responsible for subconsultants and DBE progress. All submissions prepared by subconsultants will be submitted through the prime consultant's office. The prime consultant will be responsible for the accuracy and quality of work prepared by subconsultants.

For archiving into the ECMS Project Development Checklist, the following reports (once approved in writing by the District or the appropriate permitting agency) will be provided by the consultant to the District in electronic, PDF format:

- Final Foundation Report
- Final Drainage Design Report
- Final Pavement Design
- Final Structure Design Computations
- Final Roadway Design Computations
- Final Quantity Computations

Approach:

The Project Team agrees with the Scope of Work as discussed in the Work Breakdown Structure and District Details. Larson Design Group (LDG) will have the lead responsibility for this task.

Mr. David E Gunsallus II, P.E. will be the Project Manager assigned to this project amendment. He will be responsible for supervising the personnel working on the project amendment so that project submissions are completed on time, within budget and to the level of quality the District expects. He will also be responsible to ensure that proper billing procedures and invoice processing are followed and that all submissions adhere to

PennDOT procedures. Mr. Gunsallus will coordinate with sub-consultants to ensure project milestone dates are met and submissions meet the quality that LDG and District 9-0 expect. Monthly status reports along with updated schedules will be submitted to District 9-0 electronically by disk or e-mail at an agreed upon interval so the progress of the project can be monitored. Hard copies will be provided if desired.

LDG understands the importance of maintaining an open dialogue and continuous communications throughout project development. This is one of the keys to the successful completion of a project on time and within budget. The Project Manager will maintain close and continued coordination with the Project Team members, District and outside agencies throughout the project. Both formal and informal methods will be used, such as frequent telephone calls, e-mail, conference calls, and/or informal meetings to exchange information, discuss project status and enforce decisions. Records of all relevant telephone calls and informational meetings will be documented through the use of LDG's memo documentation.

Task 8 - Utility Engineering

Objective:

2.10.8 - Utility Engineering

This task consists of engineering for utility relocation.

2.10.8.1 - Utility Coordination

This task consists of the coordination of all project utility relocation activities.

Scope:

2.10.8 - Utility Engineering

Guidance:

- Publication 16M, Design Manual Part 5, Utility Relocation

Solicit the utilities requirements for the design and construction of the relocations as soon as possible to determine if:

- work will be done by utility staff and forces;
- work will be done by utility consultant and contractor;
- work will be requested to be done by PennDOT's project designer and contractor; or any combinations of the above.

All utility related formal requests for agreements, permits and occupancy applications must be in accordance with the applicable policies and procedures of Design Manual Part 5.

Authorization to perform preliminary and final utility engineering will be provided in writing by the Department.

2.10.8.1 - Utility Coordination

Guidance:

- Publication 16M, Design Manual Part 5, Utility Relocation
- Form D4181, Utility Relocation Questionnaire and Permit Application
- Form D4181UC, Utility Relocation Clearance Report
- Form D4181A, Utility Relocation Estimates Relocation Plans & Supporting Data
- Cost Sharing Request Information, DM5

The scope of work will include the following activities:

1. Schedule and facilitate an Initial Utility Design Stage meeting to explain the project improvement goals, schedules, and targeted utility clearance dates.
2. Transmit copies of the Department's right-of-way plans, profiles and cross sections along with forms D4181, D4181UC, and D4181A to the utility companies for their relocation engineering design and cost estimates.
3. Delineate the type, size and location utility information verified by the utility company onto the project plans, profiles and cross sections.
4. Upon receipt of utility relocation alignment plans, establish and delineate the substitute right-of-way, or reserved easements, corridor for the utility relocation on the project Right-of-Way Plan.
5. Solicit utility company input relative to project design/utility conflicts, and potential need for substitute right-of-way corridors for utility relocations.
6. Schedule and conduct a utility meeting to review the proposed utility relocations and to resolve any outstanding issues with the individual affected utilities, as needed.
7. Schedule and facilitate the Final Utility Design Stage meeting to discuss and resolve utility/design conflicts and concerns, including substitute right-of-way, when required.
8. Keep utility companies informed of all design changes that could impact existing or planned utility facilities.
9. Ensure the following items are made part of the P.S.&E. package:
 - a. Utility relocation, abandonment and removal information onto the roadway construction plans, based on plans and information received from the utility company.
 - b. Incorporated utility work to be performed by the PennDOT contractor, as ALSO Plans, or other approved procedures, into the project construction contract documents.
 - c. Obtain the restrictive, prior, concurrent, and coordinated calendar work day estimates from the utility companies for work to be performed by their own forces. The utility relocation construction duration time and schedule restrictions must be incorporated into the overall project construction schedule.
10. Invite District Utility Unit representative to attend the Final Design Stage Meeting, pre-bid, pre-construction, and all construction status meetings.

Scope Deliverables:

Document and distribute all meeting minutes, correspondence, memorandums and telephone conversations regarding project related utility issues.

Detail Task 1 - Utility Engineering

Department Details:

This activity will be a continuation of the utility efforts initiated in the Preliminary Design phase.

The consultant will provide a finalized utility impact plan and matrix including a description/tabulation of apparent utility impacts with station, offset, and nature of impact (i.e. - widening, cut, fill, drainage, etc.). These utility impact plans shall be superimposed on the right-of-way plan and show utilities in color in accordance with the APWA Temporary Marking Standard, except that alternate colors shall be used in lieu of lighter colors (i.e. - yellow) which do not reproduce well.

Upon completion of the final right-of-way plan check and preparation of the finalized utility impact plan and matrix, provide a single PDF file to the District containing the following:

- Final Utility Impact Plan (in ROW plan format w/o plats)
- Final Utility Impact Matrix
- Preliminary Structure Plans (w/ excavation limits)
- Preliminary E&S Plans
- Preliminary Signal Plans
- Pre-Final Cross Sections (w/ existing utilities depicted)

Provide hard copies of these items to all involved utilities.

The consultant will work with the affected utilities as the plan develops to ensure that the utility locations shown on the final roadway and bridge plans are totally accurate.

The consultant will coordinate, set up, and attend all required utility meetings. Assume two (2) utility coordination meetings. Provide minutes of utility coordination meetings to the District in hard copy format.

Once the involvement for each utility has been defined for the project, the utility clearance Form D-419 will be prepared by the Department. All requirements of Act 38 will be fulfilled.

Approach:

The Project Team agrees with the Scope of Work as discussed in the Work Breakdown Structure and District Details. LDG will have the lead responsibility for this task.

As part of this Task, LDG will perform an additional PA One Call for the Location of Pennsylvania Avenue (SR 453) and West 13th Street. Temporary signals are proposed at this location due to the recommended traffic control method of detouring South Bound SR 0453 Traffic away from the project site. The Temporary Signals will be fixed temporary signal poles and not portable units. There is also a proposed street light that will need to be reset as well in order to construct the temporary signal at this intersection. The proposed PA One Call is to obtain a list of additional utilities at this location. The PA One Call serial number will be recorded on the construction plans.

Utility companies with underground utilities within the project limits will be requested to mark the location of their lines, prior to survey by LDG as part of this task.

As preliminary plans are generated, copies will be forwarded to firms with facilities within the work limits at which time the exact type, size, numbers, and location of all facilities will be determined as well as whether or not any relocation or adjustments will be required. Constructability issues will also be investigated to ensure that the contractor has adequate clearances to build the project.

As discussed previously with the District, QLB or QLA Subsurface Utility Investigations will not be performed at this intersection as part of design. The intent is to have the Contractor perform utility test pits during construction at the location of the proposed fixed temporary signal pole locations and street light pole locations, prior to installation.

Also as discussed previously with the District, the utility information at this intersection will not show up on the Right of Way Plans. Right of Way Plans will not be developed for this intersection as there is no anticipated right of way involvement at this intersection. It is anticipated that the proposed temporary fixed signal poles and street light pole would be located within the existing legal right of way.

LDG will provide the District with a finalized utility impact plan and matrix as part of the Original Utility Task for Final Design. The additional utility information as part of this task will be included in the utility impact matrix.

Since the utilities at this intersection (Pennsylvania Avenue / West 13th Street) will not be shown on the right of way plan, LDG assumes that the utility impact plans at this intersection will not be superimposed on the right of way plans.

LDG will coordinate and attend a utility field view meeting, as part of the original Utility Task.

LDG assumes that the District will complete Form D-419.

LDG assumes that a lighting submission will not be required for the existing street light that will need relocation due to the proposed temporary signal at the SR 453 and West 13th Street Intersection. LDG assumes that the street light may need temporarily relocated during construction and reset back at the existing location upon completion of construction. LDG assumes that this can be accommodated through up front utility coordination and Special Provisions in the Contract.

For proposal purposes, LDG assumes that the proposed sewer relocations at the intersection of S.R. 453 and Logan Avenue will be performed by the Borough and designed by the Borough's Engineer and not 'incorporated' as part of the proposed project. LDG assumes that proposed sewer relocations will be performed 'prior' to construction, not 'concurrent'.

Task 10 - Traffic Control Plan

Objective:

2.10.14 - Traffic Control Plan

This task is the development of the final traffic control plan. Publication 14M, Design Manual 3; the MUTCD and Publication 213 apply to this task.

Scope:

2.10.14 - Traffic Control Plan

Phasing schemes, sign messages, and approximate locations of signs and traffic control devices should be approved at the Design Field View stage, prior to the development of the final plans.

The Traffic Control Plan will be a stand-alone plan and will include the following:

- Title sheet with general notes, location map, and pay item quantities,
- Tabulation of Traffic Control Devices,
- Typical-sections
- Narrative describing each stage and phase by stating the work to be performed and the traffic control to be implemented
- General plan layout
- Temporary road plan, typical-section and profile (if necessary)
- Temporary signal plan (if necessary)
- Temporary Highway Lighting (if necessary)
- Special Sign Details (if necessary)

The plan will also include, but will not be limited to, sign messages, sign sizes, general sign locations, tapers lengths, barricades, channelizing devices, impact attenuators, temporary pavement markings, temporary roadway locations, temporary highway lighting locations, detours, portable changeable message signs, and arrow boards. Detail of temporary roads cross-section and profile will be included as well as other details as appropriate.

If detours are necessary, the detour route(s) will be identified and driven to determine general safety issues and restrictions. State roads requiring a detour will utilize other State owned roadways. If detour routes formed from State owned roads are found to be unacceptable because of length or other reasons, then agreements between the State and municipalities will need to be developed to utilize local roadways. This scope does not include support activities needed to develop agreements between the State and municipalities.

In locations where pedestrian movements are prominent, either safe passage or restrictions will be addressed. Scope associated with construction temporary pedestrian structures and signals will be included in either the Amendments to the Standard Scope of Work or the Detailed Project Approach.

Provide temporary highway lighting for limited access crossovers and at locations as directed by the District. Contact the Highway Lighting Unit in Harrisburg for design requirements. Submit the lighting design to the Highway Lighting Unit for approval prior to the release of the Traffic Control Plans to the District for PS&E Development.

This scope of work does not provide for a temporary traffic signal plan. If the implementation of the traffic control plan impacts a signalized intersection such that a temporary signal design is necessitated, the temporary signal plan will be incorporated into the traffic control plan. However, the scope of work for the temporary signal design will be provided in the Detailed Project Approach or in the Amendments to the Standard Scope of Work.

Specifications will include the description of the construction staging and phasing. Special provisions will also be written for traffic control devices outside the scope of the specifications included in the Publication 408M.

If required for boring and drilling work associated with geotechnical studies, the subconsultant will develop traffic control plans. Details of the design for these plans will be provided in the Detailed Project Approach.

Detail Task 1 - Traffic Control Plan

Department Details:

Revise Objective 2.10.14 to read:

This task is the development of the final traffic control plan. Publication 14M (Design Manual 3), Publication 212 (Official Traffic Control Devices), and Publication 213 (Work Zone Traffic Control) apply to this task.

This will be a continuation of work performed during the Preliminary Design phase.

This activity will include a separate plan and written narrative. All signs will be drawn (symbols will not be accepted) and the distance between signs will be shown on a 1"=25' minimum scale plan.

This task will be the final design of the preferred traffic control option determined during Preliminary Engineering Task 17.0, Preliminary Maintenance and Protection of Traffic.

The consultant will design all required temporary traffic signals.

The locations where pedestrian movements are impacted, safe passage, pedestrian detours, and/or restrictions will be addressed.

- Counts
- 24 ATR count on SR 453(14th Ave) near Logan Avenue including direction volume and classification
- 2hr AM & PM Peak Hour turning movement counts at the intersections of 13th and 14th Streets and Pennsylvania Avenue
- Directional volumes from the ATR counts will be distributed onto the intersections of 13th and 14th Streets and Pennsylvania Avenue in accordance with the proposed detour/lane closure. AM and PM peak hours will then be analyzed at these intersections using Synchro 7 to determine levels of service and timings for the signals during construction. It is not anticipated that other signals along Pennsylvania Avenue will be effected by the traffic changes during this detour.

Approach:

The Project Team agrees with the Scope of Work as discussed in the Work Breakdown Structure and District Details. LDG will have the lead responsibility for this task.

This task includes the temporary signal data collection, design and permit drawings, as indicated in the Work Breakdown Structure, and quantity computations and estimates for the temporary signals.

As part of this Task, LDG will complete the Detour Approval Form (Traffic Control During Construction, Project File Documentation) within one month following the Public Officials/Plans Display Meeting, as indicated in DDC 2011-11 – Detour Approval Form – EMS/Public Officials Contacts. The completed form will be submitted to the District for their review and approval.

Task 13 - Public Involvement

Objective:

2.1.3 - Public Involvement

This task includes the attendance and preparation of informational materials to be viewed and/or distributed to the general public at public meetings. This task may also include the preparation of newsletters, public announcements and all other aspects of public involvement as outlined in Publication 295.

Scope:

2.1.3 - Public Involvement

1. Obtain approval from PMC to proceed with public involvement activities.
2. Prepare announcement for public meeting.
3. Prepare visual materials and/or flyers for general public meetings.
4. Attend all public meetings and address comments made at the meeting.
5. Prepare minutes to the meeting and submit to the Project Manager for review. Revise if necessary.

Detail Task 1 - Public Involvement**Department Details:**

- Re-Issue Emergency Service Notifications of proposed TCP Method
- Coordination for new public plans display, preparing letters to public officials and public invite letters, coordinating date/time, advertisement
- Prepare presentation boards

Approach:

The Project Team agrees with the Scope of Work as discussed in the Work Breakdown Structure and District Details. LDG will have the lead responsibility for this task.

LDG will provide plans and displays for an additional public officials meeting, due to the change in Traffic Control from originally anticipated. LDG will prepare re-notification letters for the public officials (Borough, County, State, Federal, Police, Fire, Schools, Emergency Services, etc) by letter that were previously invited for the previous public officials/plans display, as indicated in DDC 2011-11 – Detour Approval Form – EMS/Public Officials Contacts and DDC 2010-4 – Policy on Public Meetings Notifications. LDG does not anticipate notifying all business owners within a ½ mile radius of the project. LDG will re-notify the business owners in the immediate vicinity of the project site. Time, date and place of meeting will be coordinated by LDG. LDG will make all necessary arrangements and pay for the hall rental, if required. Costs for the hall rental will be included in the Price Proposal under the Predetermined Amount (PDA) in the amount of \$500 as indicated by the Department Details and will be invoiced based on the actual costs associated with the hall rental, advertisements and presentation boards.

LDG will prepare a word document and list of invitees with their addresses. This information will be sent to the District for their use in preparing and issuing the notifications on Department Letterhead. LDG will record minutes of the public officials meeting and will distribute to interested parties within seven days after the meeting.

LDG will prepare the advertisement for the meeting and submit to the District for review, make revisions, if any, and place add in no more than two newspapers. LDG has included \$700 total for two newspaper ads (\$350 each) under the Predetermined Amount (PDA).

Six display boards were previously utilized for the previous public officials and public plans display meeting. It is anticipated that four of these display boards can be reused for the meeting. There will need to be minor revisions as part of this amendment to the other two display boards that were previously used to show the proposed method of TCP at the site. One new additional display board is anticipated to show the proposed South

Bound SR 453 Detour Route and the proposed temporary signal location at the intersection with Pennsylvania Avenue and West 13th Street. The proposed information to be displayed will be submitted to the District for review and comment, prior to fabricating the proposed presentation boards. A brief verbal presentation is anticipated at the meeting.

LDG anticipates sending two individuals to the public officials meeting and the public plans display. LDG assumes for proposal purposes that the public officials meeting will be prior to the public plans display and occur on the same day.

Consultant Hierarchy

Business Partner

	DBE Type	Supervising BP
Larson Design Group, Inc.	No	

Attachments

No records found.

You are currently logged in as **Roland L. Rode**.