

Design and Construction – Work Plan

Design and construction projects shall, at a minimum, involve the following tasks:

Task 1: Project Initiation Meeting

The Contractor, the Department, and any partners responsible for managing the project, shall hold an initial meeting to review and agree upon the project scope and schedule, project requirements, roles and responsibilities, the selection process for procuring consultants, State Environmental Quality Review Act (SEQRA) compliance requirements, MWBE requirements, ADA requirements, the number of public meetings and techniques for public involvement proposed for the project, and any other information which would assist in project completion. In addition, the composition of a project advisory committee shall be discussed during the project initiation meeting. The Contractor, or a designated project partner, shall prepare and distribute to all project partners a brief meeting summary clearly indicating the agreements reached at the meeting. Work on subsequent tasks shall not proceed prior to Department approval of the proposed approach as outlined in the meeting summary.

Products: Project initiation meeting held with appropriate parties. Written meeting summary outlining agreements reached.

Task 2: Project Advisory Committee

Establish a project advisory committee to oversee all aspects of the project in cooperation with municipal officials and the project consultant(s), if applicable. The committee shall be representative of project stakeholders, including representatives of State and municipal agencies with jurisdiction over project activities or the project area, and non-governmental and community-based organizations. A draft list of proposed members shall be circulated to the Department for review and approval prior to establishment of the committee.

Products: Draft and final list of proposed members of project advisory committee. Project advisory committee established.

Task 3: Procurement of Consultant (if applicable)

Prepare a Request for Proposals (RFP) or similar instrument (if applicable) including a complete project description with site conditions, expected final results, a schedule for completion, MWBE requirements, and criteria for selecting a preferred proposal. Consultant services requested shall include all applicable tasks, activities and responsibilities outlined in the "Project Components" section of this work program.

NYS Department of State requires a licensed professional engineer, architect or landscape architect licensed to practice in New York State for preparation and certification of final designs and construction documents, and for supervision of construction.

The Contractor must actively solicit bids for contracts and subcontracts from qualified State certified MWBEs which can be identified using the NYS Directory of Certified Firms (<https://ny.newnycontracts.com/>). The Contractor must retain records of the procurement process including direct solicitation to MWBEs; results; and any actions that its subcontractors have taken toward meeting MWBE contract participation goals. To demonstrate good faith efforts to achieve MWBE contract goals the following should be retained:

- Evidence of outreach to MWBEs: mail, email, phone calls and follow-up;
- Written responses by MWBEs to the grantee/vendor's outreach;

- Copies of search(es) of the directory and advertisements for participation by MWBEs in appropriate general circulation, trade, and minority or women-oriented publications;
- Attendance at any pre-bid, pre-award, or other meetings, if any, scheduled by the grantee with MWBEs including dates and location;
- Description of how the scope of work maximizes opportunities for MWBE participation; and
- Description of how non-MWBE subcontractors' have engaged MWBEs to undertake part of the project's work or to procure equipment/ materials/supplies.

NYS Department of State requires a licensed professional engineer, architect or landscape architect licensed to practice in New York State for preparation and certification of final designs and construction documents, and for supervision of construction.

Submit the RFP or similar instrument to the Department for review and approval prior to release for solicitation of proposals.

Products: Approved RFP or similar instrument released through advertisement in local papers, the New York State Contract Reporter, or other appropriate means. Documentation of procurement including direct solicitation to MWBEs and actions taken toward meeting MWBE contract participation goals.

Task 4: Subcontract and Compliance with Local Procurement Requirements

Prepare the draft subcontract(s) to conduct project work with the selected consultant(s). The subcontract(s) shall contain a detailed work plan with adequate opportunity for review at appropriate stages of product completion, a payment schedule with payments tied to receipt of products, and project costs.

Incorporate the Department's comments on the subcontract work plan, or scope of services, prior to execution of the final subcontract(s).

The municipal attorney, chief legal officer or financial administrator of the municipality shall certify in writing to the Department that the Contractor fully complied with applicable provisions of General Municipal Law and with local procurement procedures. A procurement certification form will be supplied by the Department.

The Contractor's procurement record and consultant selection are subject to approval by the Department.

The Contractor remains responsible for the legal sufficiency of the subcontract in accordance with the requirements in the Master Grant Contract and Attachment A-1.

Products: Consultant(s) selected and approved by the Department. Executed subcontracts and written certification of compliance with procurement procedures.

Task 5: Project Advisory Committee Meetings

Hold a second project meeting with the consultant (if any) and Project Advisory Committee to review project requirements, site conditions, and roles and responsibilities; identify new information needs and next steps; and transfer any information which would assist in completion of the project.

The Project Advisory Committee shall meet regularly over the course of the project to guide project development and review findings and documents. Following each meeting, the Contractor, or its

consultant(s) shall prepare and distribute a brief meeting summary including attendees, main topics discussed, decisions agreed upon by committee, and action items.

Products: Project Advisory Committee meetings. Written meeting summary of each meeting.

Task 6: Site Reconnaissance

Conduct site-specific reconnaissance, in preparation for design. Work may include, at a minimum, identification, analysis, and mapping of the following:

- Site survey showing extent of project boundary
- Ownership/grant/lease status of all lands to be incorporated into the design
- Manmade structures, buildings, or facilities on or adjacent to the site
- Above and below ground infrastructure, including stormwater treatment structures
- Transportation/circulation systems (truck, car, bus, ferry, train, pedestrian, bicycle, etc.) that serve or are located near the site
- Adjacent land and water uses
- Historic and archeological resources
- Soil and, as appropriate, core sampling to determine site stability
- Topography and hydrology
- Natural resources, including location of mature trees
- View corridors
- Zoning and other applicable designations
- Site constraints, needs, and opportunities

Products: Map(s) and written summary describing the above information and any other appropriate information identified during the project initiation meeting. Maps and relevant data and information, submitted in either ArcGIS format, or similar product acceptable to the Department.

Task 7: Schematic Designs and Alternatives Analysis

Prepare schematic designs and alternative analysis of the facility or facilities, considering and including a summary of the following, as applicable:

- Best management practices to be employed to avoid or reduce water quality impairments from upland runoff or in-water activities, and
- Impacts, if any, to state-designated Significant Coastal Fish and Wildlife Habitat areas, Scenic Areas of Statewide Significance, other Coastal Management Program special management areas, or other sensitive resources, and how those impacts should be avoided or mitigated.

In consultation with the Department and the project advisory committee, the Contractor shall select the preferred schematic design as the basis for final design and engineering/construction plans and specifications, or shall work with the consultant(s) to develop a final schematic design incorporating elements of, or building upon, the alternative schematic designs.

Products: Alternative analysis and preferred schematic designs.

Task 8: Public Meeting

Hold public information meeting to solicit public input on the schematic designs to assist in selecting a preferred alternative. A written summary of public input obtained at this meeting shall be prepared and provided to the Department for review and comment.

Public meetings should be scheduled at times that are convenient to underrepresented communities (e.g., at night or on weekends instead of during the day) and at locations that are ADA accessible. Meetings shall be advertised with generous advance notice to garner maximum publicity, awareness, and participation.

Products: Public information meeting held. Minutes/Summary of meeting prepared including any presentations or handouts.

Task 9: Permit Analysis and Pre-Permitting Meeting

Prepare an analysis of all federal, State, and local requirements for the selected schematic design alternative, such as necessary permits, reviews, and approvals. The analysis will include a written description of how requirements will be satisfied during development of the design. This analysis shall be submitted to appropriate project partners, permit review agencies, and the Department for review. A pre-permitting meeting with the Department and the identified federal, State, and local entities may be required to discuss revisions needed to satisfy regulatory requirements. The Contractor shall not work on developing final design prior to the Department approval of the permit analysis and Contractor response to comments from the pre-permitting meeting, if necessary.

Products: Written permit analysis. Pre-permitting meeting with identified entities. Contractor response to preliminary review comments by regulators.

Task 10: Design Development

Prepare draft and final designs based on the selected schematic design. The designs shall include all required maps, tables, data, written discussions, and other information identified in the contract and subcontract work plans and during the project initiation meeting. The designs shall be provided to the Department and the project advisory committee for review at least two weeks prior to the due date for comments. Department comments must be addressed to the satisfaction of the Department in subsequent revisions of the products and the final design.

Products: Draft and final designs and supporting materials.

Task 11: Certified Construction Documents

Prepare the final construction drawings, plans, specifications, and cost estimates. The final construction documents shall be provided to the Department and the project advisory committee for review at least two weeks prior to the due date for comments. Construction shall not commence prior to addressing the Department's comments. Final construction documents must be certified by a licensed professional engineer, architect or landscape architect and the appropriate seal must be affixed to these documents.

Products: Final construction documents, certified by a licensed professional engineer, architect or landscape architect.

Task 12: Environmental Quality Review

Prepare all documents necessary to comply with the State Environmental Quality Review Act (SEQRA) through determination of significance. If the lead agency makes a positive declaration of environmental impact, the Contractor shall prepare a Draft Environmental Impact Statement, advertise it as available for public review and comment, and complete the SEQRA process.

Products: SEQRA documents

Task 13: Permits

Prepare the necessary permit or other approval applications and obtain the required permits or approvals from regulatory agencies. A pre-application meeting with the Department and the appropriate federal, state and local regulatory authorities may be required to discuss the necessary permit or other approval applications. Prior to filing, the Contractor or its consultant(s) shall submit all applications to the Department for review and comment.

Potential permitting and approval agencies include:

- federal agencies such as the United States Army Corps of Engineers; Federal Highway Administration; Federal Aviation Administration; Federal Communication Commission; Federal Energy Regulatory Commission.
- the Department, pursuant to the consistency provisions of the federal Coastal Zone Management Act;
- other New York State agencies such as the Department of Environmental Conservation; the Office of General Services pursuant to the Public Lands Law, or similar authorization to use or occupy State-owned lands or waters overlying those lands; the Office of Parks, Recreation, and Historic Preservation or the State Historic Preservation Officer; and potential authorizing regional agencies such as Port Authority; St. Lawrence Seaway; Canal Corporation; Metropolitan Transportation Authority; CSX railroad; Amtrak; Adirondack Park Agency; Hudson River-Black River Regulating District.
- agencies of a regional, county, city, town, village, or special purpose district, including: town boards, boards of trustees, or city councils; planning commissions, boards or departments; and/or building or health officials.

Demonstrate the project is in compliance with 6 NYCRR Part 502, "Floodplain Management Criteria For State Projects" by obtaining a floodplain development permit, if local regulations establish such requirements, or by submitting a signed certification, by an official authorized to enforce local floodplain management regulations, that the project complies with the requirements of the statute.

Products: All required permits and approvals received. Written certification of compliance with floodplain management regulations, if applicable.

Task 14: Bid Process and Selection of Construction Subcontractor

Prepare and distribute a bid invitation to select a construction subcontractor or subcontractors. The bid invitation shall require the respondents to demonstrate ability to satisfy any applicable MWBE

requirements. Prior to distributing the bid invitation, the Contractor shall submit the bid invitation to the Department for review and comment.

Select the construction subcontractor(s) from the bid respondents and prepare a draft contract or contract(s). The Contractor must certify to the Department that applicable public bidding procedures of General Municipal Law were followed for the selection of all construction or other subcontractors.

The Contractor must actively solicit bids for contracts and subcontracts from qualified State certified MWBEs which can be identified using the NYS Directory of Certified Firms (<https://ny.newnycontracts.com/>). To demonstrate good faith efforts to achieve MWBE contract goals the following should be retained:

- Evidence of outreach to MWBEs: mail, email, phone calls and follow up;
- Written responses by MWBEs to the grantee/vendor's outreach;
- Copies of search(es) of the directory and advertisements for participation by MWBEs in appropriate general circulation, trade, and minority or women-oriented publications;
- Attendance at any pre-bid, pre-award, or other meetings, if any, scheduled by the grantee with MWBEs including dates and location;
- Description of how non-MWBE subcontractors' have engaged MWBEs to undertake part of the project's work or to procure equipment/ materials/supplies.

Submit the draft subcontract(s) to the Department for review and approval, and shall incorporate the Department's comments in the final subcontract(s). A copy of the final, executed subcontract(s) shall be submitted to the Department.

Products: Executed construction subcontract(s). Written certification of procurement procedures.. Documentation of procurement including direct solicitation to MWBEs and actions taken toward meeting MWBE contract participation goals.

Task 15: Installation of Project Sign

Prior to the start of construction, install a sign satisfactory to the Department identifying the Department's funding of the project. The project sign shall remain in place for the useful life of the improvements undertaken. To assist communities in fulfilling this requirement, the Department has developed an attractive low-cost informational sign. A Sign Order Form is available upon request from the Department.

Products: Department-approved sign design, and photo-documentation that sign is installed in project area.

Task 16: Construction, Construction Management and Site Inspection

After receipt of all necessary permits, site preparation and construction work may begin according to the final design and construction documents. The Contractor or its subcontractor(s) shall notify the Department at regular intervals of work progress, including any delays which have occurred.

The Contractor, its consultant(s), and/or the Department shall verify progress and completion of the work through periodic site inspections. The Contractor or its consultant(s) shall submit to the Department written summaries of progress including photo documentation and identification of problems to be addressed based on periodic site inspections.

Products: Written summary of periodic site visits including photo-documentation (pre-construction, during construction, and once the project is completed) and identification of any problems that need to be addressed.

Task 17: Project Completion

Submit a statement that the work has been completed in accordance with the contract, the final design and construction specifications, and all permit requirements. The completion statement must be certified by a licensed professional engineer, architect, or landscape architect. The Contractor shall submit a set of as-built plans, certified by a licensed professional engineer, architect, or landscape architect. The Contractor shall submit photo-documentation in the form of digital images of the completed project. The Department will not reimburse the Contractor for payment to consultant(s) or subcontractor(s) until the Department concurs that the work is complete.

Products: Statement of completion, certified as-built plans, and photo-documentation (including the photo GPS location where available)

Task 18: MWBE Reporting

Comply with MWBE Reporting Requirements by completing the following actions:

- Submit Form C - Workforce Employment Utilization to report the actual work force utilized for this contract broken down by specified categories (every March 31, June 30, September 30 and December 31).
- Submit Form D - MWBE Utilization Plan to indicate any state-certified MWBE firms selected to work on this contract. Form D must be updated and submitted to the Department whenever changes to the selected MWBE firms occur (addition or removal).
- Record payments to MWBE subcontractors using DOS funds through the New York State Contract System (NYSCS).

Technical assistance for use of the NYSCS system can be obtained through the NYSCS website at <https://ny.newnycontracts.com> by clicking on the “Contact Us & Support” link.

Products: Ongoing reporting through NYSCS during the life of the contract. Form C submitted on a quarterly basis and Form D submitted as necessary.

Task 19: Project Status Reports

Submit project status reports semi-annually (every June 30 and December 31) on the form provided, including a description of the work accomplished, the status of all tasks in this work plan, schedule of completion of remaining tasks, and an explanation of any problems encountered.

Products: Completed project status reports submitted to the Department during the life of the contract.

Task 20: Final Project Summary Report and Measurable Results

Submit the Final Project Summary Report and Measurable Results electronically at: <https://forms.office.com/g/eZERFeEeKM>.

Products: Final Project Summary Report and Measurable Results submitted to the Department.