

TASK ORDER NO. 1

CITY OF DRIPPING SPRINGS
(OWNER)

AND

CAROLLO ENGINEERS, INC.
(ENGINEER)

This Task Order is issued by the OWNER and accepted by ENGINEER pursuant to the mutual promises, covenants and conditions contained in the Agreement between the above named parties dated the 16 day of April, 2019, in connection with:

City of Dripping Springs Water Reclamation Facility Planning, Design, Bid, and Construction
(Project)

1.0 BACKGROUND

The City of Dripping Springs has retained Carollo Engineers, Inc. to provide professional engineering services for planning, design, bid and construction phase services related to retrofits to and expansion of the City of Dripping Springs' existing Wastewater Treatment Facility (WWTF) to create a new Water Reclamation Facility (WRF). The new WRF, when complete, will consist of two treatment trains that achieve biological nutrient removal (BNR), with tertiary filtration and chemical polishing for additional phosphorus removal, and ultraviolet (UV) disinfection.

2.0 PURPOSE

The purpose of this Task Order No. 1 is to establish the Scope of Work, the Time of Performance, and the Engineering Services Budget for design services to prepare contract documents necessary to obtain bids from qualified contractors to perform the work and construction phase services associated with the WRF expansion train and a new common headworks only, also referred to as Phase I of the Project. This Task Order No. 1 consists of design and bid phase services for a new 822,500 gpd (on the basis of average dry weather flow with a peaking factor of 4.0) common headworks to serve the existing treatment train and the new expansion train, and a 497,500 gpd capacity WRF expansion train consisting of secondary treatment with biological nutrient removal (BNR), filtration and final disinfection using UV. This Task Order No. 1 further assumes that the design will be completed using packaged equipment, where practical, to reduce design and construction cost.

Future task orders will address the construction phase services for headworks and expansion train design completed under this Task Order No. 1, as well as design, bid and construction phase services related to retrofits to the existing WWTF and subsequent phases of work, if any.

The engineering services associated with this Task Order No. 1 will consist of the following:

- Task 100 – Project Management and Meetings
- Task 200 – Quality Management
- Task 300 – Subconsultant Services
- Task 400 – Preliminary Design
- Task 500 – Final Design
- Task 600 – Permitting and Agency Coordination
- Task 700 – Bid-Phase Services

Construction phase services, listed under Task 800 below, will be provided as part of a future Task Order.

3.0 PROJECT ELEMENTS

The scope of services presented herein is based on a project that consists of the major elements summarized below:

1. Site Work, including general paving and grading improvements, and yard piping
2. Electrical design and tie-in with Influent Pump Stations (structural & mechanical design by others)
3. Headworks and flow split between the new and existing WRF trains
4. Packaged secondary treatment with Biological Nutrient Removal (BNR) and clarifiers
5. Packaged Tertiary Filters
6. UV Disinfection
7. Solids Handling, up to potential sludge thickening prior to sludge storage or use of a sludge box
8. Odor Control for Headworks, and Solids Handling as necessary
9. Plant Electrical and Controls
10. Electrical design and tie-in to Reclaimed Water Pump Station (structural & mechanical design by others)

4.0 SCOPE OF SERVICES

TASK 100 PROJECT MANAGEMENT AND MEETINGS

Task 101 – Project Management, Planning, Scheduling and Reporting

- 101.1 Project Plan: Prepare a Project Management Plan to guide the project team through work activities necessary to complete the final design phase of this project. The plan will include information on project organization, communications, coordination, procedures, deliverable templates, resources, schedule, deliverable milestones, work plan, contingency management, subconsultant management, cost control, and quality control.
- 101.2 Plan, organize, staff, direct, manage, coordinate, and report work tasks of project team.
- 101.3 Prepare and submit monthly invoices and progress reports.
- 101.4 Prepare baseline design schedule identifying design phase activities, interrelationships, deliverable deadlines, and critical path tasks.

101.5 Manage project budget, schedule, and invoicing.

Deliverables:

- a. Project Plan.
- b. Baseline preliminary design phase schedule.
- c. Monthly progress reports, schedule updates, and invoices.

Task 102 – Project Coordination Meetings

Prepare for, conduct, and perform follow-up actions for a project kick-off meeting, and up to six design coordination meetings with Project Team. The purpose of the meetings will be to coordinate upcoming activities of the various disciplines engaged in the design. It is assumed that each meeting will be conducted via conference call, and will last up to 3 hours.

Deliverables:

- a. Agendas, meeting minutes, action, and decision log updates.

Task 103 –Basis of Design Workshop

Prepare for, conduct, and perform follow-up actions for a full-day, in-person workshop to be conducted at Carollo's Austin office with members of the Project Team. The purpose of this meeting is to establish good communication, discuss and finalize critical process design decisions, and perform a significant portion of the preliminary design task in real-time.

Deliverables:

- a. Agendas, meeting minutes, action, and decision log updates.
- b. Summary of major design decisions and process parameters for each process area.

Task 104 – Deliverable Review Workshops

Prepare for, conduct, and perform follow-up actions for up to two deliverable review workshops. Each workshop will be scheduled to review interim design plans and specifications with OWNER's personnel and Project Team to collect comments. It is assumed that each workshop be held in-person, will last up to 4 hours, will be conducted within two weeks after the submittal deliverable date, and that a list of key review items will be provided by the ENGINEER to OWNER to help prioritize review items. Meeting minutes developed from each workshop will include a list of key decisions that will become frozen as a result of review.

104.1 60% Design Review Workshop.

104.2 90% Design Review Workshop.

Deliverables:

- a. Agendas, design deliverables, meeting minutes.

TASK 200 QUALITY MANAGEMENT

Task 201 – Ongoing Quality Management

Perform quality management activities on Carollo tasks including on-going discipline coordination, technical review, document review, quality assurance/quality control activities, checking, and activities.

Task 202 - Independent Technical Review Team

Internal peer review services of the preliminary design and a constructability and construction schedule review between 60% and 90% completion will be provided by senior Carollo staff not working on the design. The following will be conducted under this subtask:

- 202.1 Complete PER deliverable package reviewed by peer review team prior to submittal.
- 202.2 Construction schedule and sequencing information reviewed by peer review team between 60% and 90% completion.

TASK 300 SUBCONSULTANT SERVICES

This Task Order No. 1 assumes that survey and geotechnical data needed for the work described herein are made available to ENGINEER by OWNER.

Task 301 - Electrical Engineering

ENGINEER will retain the services of SKE Engineering, Inc. to provide the electrical engineering design for this Phase I of the Regional Water Reclamation Facility Project.

- 301.1 Subconsultant shall prepare Drawings and Specifications for the following Project Elements:
 - 1. Influent Pump Stations
 - 2. Headworks
 - 3. Packaged secondary treatment with Biological Nutrient Removal (BNR) and clarifiers
 - 4. Packaged Tertiary Filters
 - 5. UV Disinfection
 - 6. Reclaimed Water Pump Station
- 301.2 Subconsultant shall attend up to six design coordination meetings (Task 102) and the Basis of Design Workshop (Task 103).
- 301.3 Subconsultant shall assist in answering questions during the Bid Period, and preparing Addenda related to the Subconsultant's design elements.

TASK 400 PRELIMINARY DESIGN

Task 401 – Review Existing Conditions

- 401.1 ENGINEER will make a site visit to assess the condition of the existing treatment facilities, estimate their remaining life, and review the site layout.
- 401.2 ENGINEER will review record drawings for the existing WWTF. Based upon information from OWNER's staff and its designees, determine current system operational capabilities and confirm preliminary engineering assumptions in Technical Memorandum (TM) No. 1 dated October 2015.

Task 402 - Preliminary Engineering Report/30% Design Submittal

Building on TM No. 1 (Conceptual Design, dated October 2015), and the decisions made at the Basis of Design Workshop (Task 103), ENGINEER will prepare a series of technical memoranda (TM) to document the basis of design in detail. Each TM will present design criteria and results of packaged equipment evaluations as appropriate. The TMs will be compiled into a binder on completion of the work to form the Preliminary Engineering Report (PER).

The PER/30% Design Submittal will include the following:

- 402.1 Headworks and Flow Split TM: Evaluate flow split and screening alternatives, develop design criteria, and solicit and evaluate packaged solutions from up to three manufacturers. Select one headworks package that meets project criteria and can be carried forward into detailed design.
- 402.2 Secondary Process TM: Establish secondary process performance requirements and solicit complete packaged secondary treatment solutions from up to three suppliers that include aeration basins, clarifiers, blowers, and RAS/WAS pumps. Review and evaluate supplier-proposed approaches and designs, including basin configuration mode of construction. Confirm supplier proposed BNR approaches using BioWin process models. Select one equipment package that meets project criteria and can be carried forward into detailed design.
- 402.3 Tertiary Filtration TM: Establish design criteria for tertiary filtration and chemical feed requirements associated with chemical phosphorus polishing. Solicit packaged solutions from up to three suppliers, potentially in conjunction with Task 402.2. Review and confirm viability of supplier-proposed solutions. Select one filter equipment package that meets project criteria and can be carried forward into detailed design. The scope for this subtask assumes above-ground manufacturer-supplied steel filter boxes.
- 402.4 UV Disinfection TM: Establish design criteria for UV disinfection and solicit UV equipment proposals from up to three manufacturers. Review and confirm approaches from proposed manufacturers on the basis of UV validation data. Select one UV equipment package that meets project criteria and can be carried forward into detailed design. The scope for this subtask assumes above-ground manufacturer-supplied steel channels for open-channel designs or an in-vessel UV design.

- 402.5 Solids Handling TM: Perform a simple evaluation of current solids disposal methods, and consider either sludge thickening prior to the existing sludge storage tank with liquid sludge hauling as currently practiced, or alternative use of a sludge box and hauling to landfill.
- 402.6 Odor Control TM: Establish design criteria for odor control to serve the new Headworks facilities, at a minimum, with consideration of odor control measures for a sludge box should the method of sludge disposal be changed based on the outcome of the Solids Handling TM.
- 402.7 Preliminary Site Layout TM: Review space available at the project site and evaluate alternative site layout options on the basis of sizing criteria and manufacturer-provided equipment dimensions obtained from Tasks 402.1-402.4. The scope for this subtask will include an assessment of space needs for future equipment, such as the UV disinfection to be designed as part of future retrofits to the existing WRF train.
- 402.8 Hydraulic Modeling TM: Develop hydraulic model of the proposed WWTF using Carollo's Hydraulix® modeling tool. The results of the hydraulic modeling effort will be used to develop the plant hydraulic profile drawing.
- 402.9 Project Delivery, Cost, and Schedule TM: Suggest equipment procurement approach and present a preliminary opinion of probable construction cost. Consider project sequencing and construction approach.

Deliverables:

- a. Draft and final versions of PER (3 hard copies, and PDF)
- b. Limited set of 30% Drawings as annotated from the 3D Model, including at minimum the site plan and process flow diagram.

Note: Design development will be done using three-dimensional (3D) modeling of facilities and/or systems. Where available, 3D models of packaged equipment provided by manufacturers will be incorporated into the Carollo 3D model; otherwise, 2D drawings provided by the manufacturers will be used. The 3D model will be and refined throughout the preliminary and final design phases and is not considered a project deliverable.

TASK 500 FINAL DESIGN

Using information developed in Task 400, ENGINEER will prepare contract documents (plans and specifications) for construction of the Project, as identified in Section 3.0 Project Elements. Plans and specifications will be prepared in accordance with the standard of care for public works construction and will rely materially on proposals and drawings provided by manufacturers. ENGINEER and OWNER mutually agree that standard of care, as applied to design professionals, shall be defined as the ordinary and reasonable care required and established by expert testimony of what a reasonable and prudent professional would have done under the same or similar circumstances.

The facilities will be designed in accordance with the latest editions of the pertinent codes and regulations, as adopted by OWNER, or as agreed to by OWNER and ENGINEER at the beginning of the Project. Changes in codes and regulations, which occur after the notice to proceed, may be considered a change in scope.

Drawings

Full sized Engineering Drawings will be prepared on 22-inch by 34-inch format. Electronic files of the plan sheets will be provided to OWNER as PDF Files on completion of design. Half size drawings will be 11-inch by 17-inch format.

Specifications

Technical Specifications will be prepared in Construction Specification Institute (CSI) format using the Engineers Joint Contract Documents Committee (EJCDC) Specifications. ENGINEER will prepare the Technical Specifications to support the necessary improvements detailed in the project elements.

Contract documents will be prepared based on one set of bid documents for the entire project. It is assumed that this project will be procured under a conventional design-bid-build (DBB) approach.

Submittal of Plans and Specifications

ENGINEER will prepare three (3) draft submittals to obtain review comments from OWNER staff, and state regulatory/funding agencies. The submittals will include 2D drawings extracted from the 3D models. The ENGINEER will respond to written comments and incorporate comments where appropriate.

The planned 2D submittals are:

- a. Intermediate Design Submittal (60%) – The ENGINEER will prepare and submit plans and specifications at the intermedia design level of completion. The Intermediate Design Submittal will include the various discipline plans, technical specifications, and typical details, and an update of the opinion of probable construction cost as appropriate to the level of design at the time of the submittal. A copy of the Preliminary Design Submittal comments will be provided with the Intermediate Design Submittal.
- b. Final Design Submittal (90%) – The ENGINEER will prepare and submit plans and specifications at the final design level of completion. The Final Design Submittal will include the various discipline plans, technical specifications, and typical details, and an update of the opinion of probable construction cost as appropriate to the level of design at the time of the submittal, and will essentially represent the Contract Documents ready to bid. A copy of the Intermediate Design Submittal comments will be provided with the Final Design Submittal.
- c. Bid Set Submittal – The ENGINEER will prepare and submit plans and specifications for the purpose of bidding, and regulatory and funding agency review. The Bid Set Submittal will include all plans, technical specifications, and any update of the opinion of probable construction cost necessary. The Bid Set Submittal will demonstrate complete readiness to proceed to construction.

This final design task includes structural, civil, mechanical, and, as necessary, architectural components of the design of the project elements listed in Section 3.0:

Task 501 - Headworks and Flow Split Structure Final Design

Prepare plans and specifications for the headworks and flow split structure. The headworks is assumed to include two mechanically-cleaned drum screens and screenings washer/compactors, a bypass channel with manual bar rack, grit removal, grit washing and handling, and a common screenings/grit hopper.

Task 502 - Secondary Process Final Design

Prepare plans and specifications for the biological nutrient removal process, assuming a packaged treatment system including aeration basins for biological nutrient removal (BNR), secondary clarification, and RAS/WAS pumping. It is assumed no primary clarification will be included. Secondary clarifiers will feature chemical storage and feed systems for phosphorus removal, if required. It is assumed that new aeration blowers will be housed in the existing admin / blower / reclaimed water pump station building (also referred to as “the barn”).

Task 503 - Tertiary Filtration Final Design

Prepare plans and specifications for tertiary filtration. The scope for this task assumes steel filter vessels with a canopy over the filters.

Task 504 - UV Disinfection Final Design

Prepare plans and specifications for a UV disinfection system comprised of a minimum of two ultraviolet disinfection reactors. The scope for this subtask assumes above-ground manufacturer-supplied steel channels for open-channel designs or an in-vessel UV design.

Task 505 - Solids Handling Design

Prepare plans and specifications for thickening of sludge prior to the existing sludge holding tank. The scope for this subtask assumes a rotary drum thickener with associated polymer feed system.

Task 506 - Odor Control Design

Prepare plans and specifications for an odor control system comprised of up to two biotrickling/biofilter vessels, two exhaust fans (duty/standby), up to two recirculation pumps (if needed), and associated foul air ductwork. The odor control system will primarily serve the Headworks facility, but may also serve sludge facilities as needed.

Task 507 - Opinion of Probable Construction Cost

The ENGINEER will prepare an opinion of construction cost at the Preliminary design level that will be updated at the Intermediate Design, and Final Design submittals. ENGINEER has no control over the cost of labor, materials, equipment, or services furnished by others, or over Contractor's methods of determining prices, or other competitive bidding or market conditions, practices, or bidding strategies. Cost estimates are based on experience and judgment. ENGINEER cannot and does not guarantee that proposals, bids, or actual project construction costs will not vary from cost estimates prepared by the ENGINEER.

- 506.1 Prepare opinion of probable construction cost for the WRF Expansion Project 60% interim deliverable package. Issue to OWNER along with 60% deliverables. Cost opinion will be a Class 2 Estimate as defined by the American Association of Cost Engineers (AACE).
- 506.2 Prepare opinion of probable construction cost for the WRF Expansion Project 90% interim deliverable package. Issue to OWNER along with 90% deliverables. Cost opinion will be a Class 2 Estimate as defined by the American Association of Cost Engineers (AACE).

506.3 Prepare opinion of probable construction cost for the WRF Expansion Project final deliverable package. This will be considered the "Fixed Construction Budget" designated by the OWNER. Issue to OWNER along with Bid ready Contract Documents. Cost opinion will be a Class 1 Estimate as defined by the American Association of Cost Engineers (AACE).

Deliverables:

- a. Opinion of probable construction cost at 60%, 90%, and Final submittals.

Task 508 – TCEQ Submittals

As required by the Texas Commission on Environmental Quality (TCEQ) and Title 30, Chapter 217 of the Texas Administrative Code (30 TAC 217), ENGINEER will prepare a Summary Letter of Transmittal for submittal to TCEQ for review and project approval. Bid ready contract documents will be submitted to TCEQ if required to complete TCEQ review.

TASK 600 PERMITTING AND AGENCY COORDINATION (RESERVED)

It is assumed that all permitting and agency coordination for this project will be performed by others.

TASK 700 BID PHASE SERVICES

Bid phase services cover the bid period of the Project. Bid phase budget assumes a level of effort from OWNER and the General Contractor based on the ENGINEER's experience.

Task 701 - Pre-bid Meeting

ENGINEER will prepare an agenda and assist OWNER Purchasing Office to conduct a Prebid Conference. The notice for the Prebid Conference will be included in the Contract Documents. ENGINEER's design and construction staff will attend the Prebid Conference and will prepare minutes of the meeting. The meeting minutes will be forwarded to the OWNER for review and will be distributed to all parties on the Plan Holders List.

Deliverables:

- a. Pre-bid meeting agenda, minutes, list of attendees.

Task 702 -Respond to Bidder Inquiries

ENGINEER will assist the OWNER Purchasing Office to answer questions and provide support to the OWNER during the Bid Period. All questions will be documented and answered in writing on a standard Project Information Request Form. These forms will be forwarded to the OWNER for review and all parties on the Plan Holders List.

Deliverables:

- a. Documentation of bidder inquiries and responses for bid period.

Task 703 - Prepare Addenda

ENGINEER will prepare Addenda required for technical clarification, and submit to OWNER to issue Addenda to all parties on the Plan Holders List. Up to three addenda will be prepared for the bid package.

Deliverables:

- a. Addenda.

Task 704 - Bid Evaluations

ENGINEER will review bid responses and will prepare a written evaluation and recommendation for award. As a minimum, the review shall examine previous project history (client references provided with bid) and proposed staff.

Deliverables:

- a. Letter documenting Engineer's assessment of qualifications of bidders.

TASK 800 CONSTRUCTION PHASE SERVICES - FUTURE

Construction phase services will be provided as part of a future Task Order. These future construction phase services are anticipated to include:

1. Preparation of conformed documents
2. Submittal review
3. Issue interpretations and clarifications
4. Addressing minor changes and change orders
5. Technical and construction progress meetings
6. Preparation of record drawings
7. Limited on-site construction oversight

TASK 900 SPECIAL SERVICES

Reserved.

5.0 ASSUMPTIONS AND OWNER RESPONSIBILITIES

In addition to specific assumptions presented within Tasks 100 through 800, the following major assumptions apply to the scope of services:

1. Schedule: The base proposal assumes the schedule as shown in Section 6.0 will be followed.
2. OWNER Review Periods:
 - a. It is anticipated that one round of OWNER reviews will be conducted per deliverable and one set of conformed and combined OWNER comments will be provided to the ENGINEER per deliverable.
 - b. OWNER review and comment periods for Preliminary Design Report, 60% Submittal, and 90% Submittal will be completed within 14 days to allow the ENGINEER to proceed per the schedule specified under Assumption No. 1.
3. Decision Log: The ENGINEER will maintain a log of major decisions made throughout the project. The Decision Log will be reviewed twice monthly with the OWNER for concurrence. Changes to the agreed-to decisions or retroactive decisions may result in an increase to the schedule and/or fee.
4. File Management: ProjectWise® will serve as the file management system for all project documentation. All drawings and specifications will be saved to the ProjectWise® files created specifically for this project.
5. Site and Project Elements: The scope of services will be limited to those sites and project elements identified under the Project Elements listed above.
6. Deliverables: Up to five (5) paper copies of all deliverables will be provided to the OWNER. Interim drawing sets will be produced at half-size (11" x 17") scale. All deliverables will also be provided to the City and posted to ProjectWise® in searchable PDF format.
7. Changes in Laws or Regulations: In the event that changes in Laws or Regulations after the effective date of the authorization impose taxes, fees, or costs on ENGINEER's services, the costs shall be in addition to the ENGINEER's estimated total fee presented herein.
8. Building Code: The design will be based on the 2016 International Building Code.
9. Electrical Code: The design will be based on the 2016 International Electrical Code.
10. Final Design (Task 500):
 - a. Bid-ready Contract Documents are the sets of documents that will be issued for bidding purposes, signed, and sealed by the responsible Professional Engineers.
 - b. Cost estimates: The ENGINEER has no control over variances in the cost of labor, materials, equipment, services provided by others, contractor's methods of determining prices, competitive bidding or market conditions, practices or bidding strategies. The ENGINEER cannot

and does not warrant or guarantee that proposals, bids, or actual construction costs will not vary from the costs estimated under Task 506.

- c. Drawings will be produced in MicroStation, and converted to AutoCAD for final Drawings.
 - d. Specifications and details: ENGINEER's standard specifications and details will be used as the primary specifications and details for the Contract Documents. OWNER standard technical specifications and details will be incorporated as applicable or as specifically required.
11. Specification format: Specifications will follow the CSI 95 format, with 17 Divisions.
12. Permitting, and Agency Coordination (Task 600):
- a. It is assumed that permit conditions will not result in additional drawing production beyond the deliverables identified herein nor require changes to "frozen" design decisions.
 - b. It is also assumed that OWNER or others designated by OWNER will prepare and submit to the TCEQ an application for a reuse authorization under 30 TAC 210.
13. Bid Phase Services (Task 700):
- a. Construction of the Phase I Project will be bid in a single bid package.
 - b. The scope does not include costs for rebidding or bid protests.
 - c. It is assumed the OWNER will distribute electronic media copies of Contract Documents to Bidders. The cost to provide additional bond copies will be paid by plan holders.
14. Items not included in Scope of Work:
- a. Cost of permit applications/plan review by permitting agency.
 - b. Cost of reissuing or redesigning project elements due to project cost.
 - c. Costs associated with response or rework for value engineering and/or external peer reviews.
 - d. Construction phase services; these will be included in a future Task Order.

6.0 TIME OF PERFORMANCE

ENGINEER shall commence work immediately following authorization to proceed. ENGINEER agrees to deliver all work for design services within 400 calendar days after notice to proceed.

PROJECT SCHEDULE		
Milestone	Weeks Following Previous Deliverable	Weeks Following Notice to Proceed
Kick-Off Meeting	2	2
Basis of Design Workshop	4	6
Preliminary Design Report	12	18
60% Submittal	12	30
90% Submittal	8	38
Final Submittal/Bid Sets	4	42
Bid Phase Services*	2 months	2 months

*The schedule for bid phase services depends on OWNER's bid schedule. Two months of active support of the bid phase are assumed.

7.0 BUDGET

OWNER and ENGINEER have established a not-to-exceed budget of \$895,000 to complete all services under this Task Order No. 1. This amount will not be exceeded without a contract amendment.

OWNER will pay the ENGINEER on a lump sum basis for services identified in this Task Order No .1. The budget for each Task is presented in Exhibit A. OWNER and ENGINEER agree to allow redistribution of funds between Tasks 100 through 700 as appropriate to allow flexibility in providing the needed services within the not-to-exceed budget.

ENGINEER agrees to complete these services for this amount unless the Budget is amended by OWNER and ENGINEER as a result of a change to the Scope of Work or Time of Performance.

8.0 EFFECTIVE DATE

This Task Order No. 1 is effective as of the 16th day of April, 2019.

IN WITNESS WHEREOF, duly authorized representatives of the OWNER and of the ENGINEER have executed this Task Order No. 1 evidencing its issuance by OWNER and acceptance by ENGINEER.

CAROLLO ENGINEERS, INC.

CITY OF DRIPPING SPRINGS

Accepted this 16th day of April, 2019

By: 
Eva Steinle-Darling, PhD, PE
Associate Vice President

By: 
Officer

By: 
Scott Hoff, PE
Senior Vice President