

Texas Department of Transportation
BOOK 2 – TECHNICAL PROVISIONS
FOR
LOOP 375 - BORDER HIGHWAY WEST EXTENSION PROJECT
Design-Build Project

ATTACHMENT 2-1
PROJECT MANAGEMENT PLAN CONTENTS

August 22, 2014

Attachment 2-1 – Project Management Plan Contents

The Project Management Plan - Contents and Schedule for provision of the component parts

Legend

A = Submitted by Developer within 30 days of NTP1 and approved by TxDOT prior to Commencement of Design

A1 = Submitted by Developer within 30 days of NTP1 and concurrence by TxDOT prior to issuance of NTP2

B = Submitted by Developer within 90 days Approved by TxDOT prior to Commencement of Construction

Part	Ref	Section	Contents	Required by
1. Project Administration				
		Organization	Organization diagram	A
		Personnel	Names and contract details, titles, and job roles	A
		Subcontractors	Subcontracting Plan	A
		Schedule	Baseline Schedule in accordance with Section 2	A
		Quality Control	Procedures to establish and encourage continuous improvement	A
		Audit	Procedures to facilitate review and audit by TxDOT	A
			Auditing and management review of Developer's own activities under the PMP	A
			Auditing and management review of Subcontractor's activities and management procedures	A
		PMP Update	Procedures for preparation of amendments and submission of amendments to any part of the PMP	A
		Document Management	The manner in which records will be maintained in compliance with the Technical Provisions, including any specific systems Developer will use.	A
			Document management procedures in compliance with the Technical Provisions Section 2.	A
2. Quality Management				
2A. Professional Services Quality Program				
		Organization	Developer's main contractual arrangements	A
			Organizational structure covering the activities to be performed in accordance with the Contract Documents	A
		Personnel	Resource Plan for the Developer and its Subcontractors	A
			Arrangements for coordinating and managing staff interaction with TxDOT and its consultants including collocation of Key Personnel and description of approach to coordinating work of off-site personnel	A
			Names and contact details, titles, job roles and specific experience required for the Key Personnel and for other principal personnel during design	A

Part	Ref	Section	Contents	Required by
2. Quality Management				
2A. Professional Services Quality Program (continued)				
		Personnel (continued)	Names and contact details, titles, job roles of principal personnel for Subcontractors and any third party with which Developer will coordinate activities.	A
		Offices and equipment	Description of the necessary offices and office equipment to be provided by Developer during design	A
		Subcontractors	Overall control procedures for Subcontractors, including consultants and subconsultants	A
			Responsibility of Subcontractors and affiliates	A
			Steps taken to ensure Subcontractors and Suppliers meet the obligations imposed by their respective Contracts	A
		Interfaces	Interfacing between the Developer, Subcontractors and the independent certifiers during design including interfaces between the structural design auditor, the safety auditor, and the quality reviewer	A
			Coordination with Utility Owners	A
		Environmental	Control of the interface between environmental requirements (including landscaping) and the design of the Project	A
		Procedures	Procedures describing how the principal activities will be performed during the design stage: to include geotechnical site investigation, surveys and mapping, environmental management, safety audit, structural audit, and checking	A
		Quality Control/Quality Assurance	Quality control and quality assurance including a resource table for monitoring and auditing all design services, design review and certification, verification of plans	A
			Procedures for environmental compliance	A
			Procedures to establish Developer's hold points in the design process where checking and review will take place	A
			Procedures to ensure accuracy, completion, and quality in submittals to TxDOT and Governmental Entities	A
		Audit	Procedures to establish and encourage continuous improvement	A
			Name of Developer's representative(s) with defined authority for establishing, maintaining, auditing and reporting on the PMP	A
			Name, title, roles and responsibilities of supporting quality management staff reporting to the person with defined authority	A
		Document Management	The manner in which records will be maintained in compliance with the Technical Provisions, including any specific systems Developer will use	A
			Document management procedures in compliance with the Technical Provisions Section 2	A
			Identify environmental documentation and reporting requirements, including Environmental Permits, Issues and Commitments (EPIC) sheets	A
2B. Construction Quality Program (CQP)				
		Organization	Developer's main contractual arrangements	A

Part	Ref	Section	Contents	Required by
2. Quality Management				
2B. Construction Quality Program (CQP) (continued)				
		Organization (continued)	Organizational structure covering the activities to be performed in accordance with the Contract Documents	A
		Personnel	Resource Plan for the Developer and its Subcontractors	B
			Arrangements for coordinating and managing staff interaction with TxDOT and its consultants including collocation of Key Personnel and description of approach to coordinating work of off-site personnel	B
			Names and contact details, titles, job roles and specific experience required for the Key Personnel as related to construction	A
			Names and contact details, titles, job roles of principal personnel for Subcontractors and any third party with which Developer will coordinate his activities	B
			Procedures for implementation of the Environmental Protection Training Program for all employees in accordance with Section 4	B
			Offices and equipment	Description of the necessary offices and office equipment to be provided by Developer during construction
		Subcontractors	Overall control procedures for Subcontractors, including consultants and subconsultants	B
			Responsibility of Subcontractors and affiliates	A
			Steps taken to ensure Subcontractors and Suppliers meet the obligations imposed by their respective Contracts	B
			Procedures for implementation of Environmental Protection Training Program for employees of Subcontractors in accordance with Section 4	B
		Interfaces	Interfacing between the Developer, Subcontractors, and independent certifiers during construction, including any testing contractor	A
		Procedures	List of Project specific construction procedures	B
			Construction detailed procedure for each major activity whether directly undertaken or subcontracted to include pavement, structures, drainage, communications	B
			Traffic Management Plan	B
		Quality Control/Quality Assurance	Construction Monitoring Plan	B
			Construction Monitoring Program (Environmental)	B
			Procedures for environmental compliance	
			Control, identification and traceability of materials, including any material or samples temporarily or otherwise removed from site for testing or other reasons.	B
			Examinations and audit of Construction Work, review of examination and audit, issue of certificates	B
			Observation and reporting of all tests in compliance with Section 2	B
			Procedures for tests and inspections for the purpose of the Subcontractor certifying that prior to burying, each part of the Works is complete and conforms to the Contract Documents	B

Part	Ref	Section	Contents	Required by
2. Quality Management				
2B. Construction Quality Management (continued)				
		Quality Control/Quality Assurance (continued)	Quality control and quality acceptance procedures including a resource table for monitoring and auditing during construction any work and testing undertaken by Subcontractors and Suppliers both on and off Site	B
			Procedures to establish Developer's hold points in construction	B
			Procedures to ensure accuracy, completion, and quality in submittals to TxDOT and Governmental Entities	B
			Procedures to establish and encourage continuous improvement	A
		Audit	Inspection and test plans that identify the performance and/or databases to be used for recording the inspection and test results and methodology for transmitting acceptance testing and inspection reports to TxDOT	B
			Name of Developer's representative with defined authority for establishing, maintaining, auditing and reporting on the PMP	A
			Name, title, roles and responsibilities of supporting quality management staff reporting to the person with defined authority.	B
		Document Management	The manner in which records will be maintained in compliance with the Technical Provisions, including any specific systems Developer will use	B
			Document management procedures in compliance with the Technical Provisions Section 2	A
2C. Maintenance Management				
	2C.1	Procedures	Procedures describing how the principal activities will be performed during the Work including general maintenance and operations obligations	A
			Procedures for managing records of inspection and maintenance activities	A
			Procedures setting out Developer's response to maintenance issues such as mitigation of hazards, and defects that require prompt attention or are a safety concern	A
	2C.2	Performance Standards	Procedures to be followed by Developer pursuant to the Technical Provisions to comply with all applicable maintenance requirements for the Term	A
	2C.3	Emergency Response	Procedures setting out how Developer will respond to accidents and Incidents on the Project	A
3. Comprehensive Environmental Protection Program (CEPP)				
		Organization	Developer's main contractual arrangements	A
			Organizational structure covering the activities to be performed in accordance with the Contract Documents	A
			Environmental Contact Tree	A
		Personnel	Resource Plan for the Developer and its Subcontractors	B
			Arrangements for coordinating and managing staff interaction with TxDOT and its consultants, including collocation of Key Personnel and description of approach to coordinating work of off-site personnel	A

Part	Ref	Section	Contents	Required by
3. Comprehensive Environmental Protection Program (CEPP) (continued)				
			Names and contact details, titles, job roles and specific experience required for Key Personnel and for other environmental personnel	A
			Implement Environmental Protection Training Program for all employees in accordance with Section 4	A
		Subcontractors	Overall control procedures for Subcontractors, including consultants and subconsultants	A
			Responsibility of Subcontractors and Affiliates	A
		Environmental	Establishment of the component parts of the Environmental Compliance and Mitigation Plan (ECMP)	B
		Quality Control and Quality Acceptance	Procedures to ensure accuracy, completion, and quality in submittals to TxDOT and Governmental Entities	A
		Quality Control and Quality Acceptance (continued)	Procedures to establish and encourage continuous improvement	A
			Procedures for environmental compliance	A
		Audit	Name, title, roles and responsibilities of supporting quality management staff reporting to the person with defined authority	A
		Document Management	The manner in which records will be maintained in compliance with the Technical Provisions, including any specific systems Developer will use	A
			Identify environmental documentation and reporting requirements	A
4. Public Information and Communications				
		Organization	Developer's main contractual arrangements	A
			Organizational structure covering the activities to be performed in accordance with the Contract Documents.	A
		Personnel	Resource Plan for the Developer and its Subcontractors	A
			Arrangements for coordinating and managing staff interaction with TxDOT and its consultants, including co-location of Key Personnel and description of approach to coordinating work of off-site personnel	A
			Names and contact details, titles, job roles and specific experience required for Key Personnel and for other principal personnel	A
			Names and contact details, titles, job roles of principal personnel for Subcontractors and any third party with which Developer will coordinate his activities	A
		Offices and equipment	Description of the necessary offices and office equipment to be provided by Developer during design	A
		Subcontractors	Overall control procedures for Subcontractors, including consultants and subconsultants	A
			Responsibility of Subcontractors. and affiliates	A
			Steps taken to ensure Subcontractors and Suppliers meet the obligations imposed by their respective Contracts	A
			Procedures for implementation of Environmental Protection Training Program for employees of Subcontractors	A

Part	Ref	Section	Contents	Required by
4. Public Information and Communications (continued)				
		Interfaces	Procedures for liaison with the public, the media and other Customer Groups in accordance with Section 3 and the press media policy of TxDOT	A
			Procedures to coordinate with Project Stakeholders such as municipalities, counties, MPOs, RMAs and other Customer Groups	A
		Procedures	Procedures describing how the principal activities will be performed	A
		Quality Control	Quality control procedures including a resource table for monitoring and auditing all public information and communication services	A
			Procedures to ensure accuracy, completion, and quality in submittals to TxDOT, Governmental Entities and Customer Groups	A
		Quality Control	Procedures to establish and encourage continuous improvement	A
		Audit	Name of Developer's representative with defined authority for establishing, maintaining, auditing and reporting on PMP	A
		Audit (continued)	Name, title, roles and responsibilities of supporting quality management staff reporting to the person with defined authority	A
		Document Management	The manner in which records will be maintained in compliance with the Technical Provisions, including any specific systems Developer will use	A
			Document management procedures in compliance with the Technical Provisions Section 2	A
			Identify environmental documentation and reporting requirements	A
5. Health and Safety				
			Policies, plans, training programs, Work Site controls, and Incident response plans to ensure the health and safety of personnel involved in the Project and the general public affected by the Project	A1
			Procedures for immediately notifying TxDOT of all incidents arising out of or in connection with the performance of the Work	A1
6. TxDOT – Developer Communications Plan				
			The manner in which the Developer's organization will respond to unexpected requests for information, communicate changes or revisions to necessary Developer personnel, and notify affected stakeholders before and after changes are made	A
			Processes and procedures for communication of Project information between the Developer's organization and TxDOT	A
7. ROW Acquisition Management				
		Organization	Developer's main contractual arrangements	A
			Organizational structure covering the activities to be performed in accordance with the Contract Documents	A
		Personnel	Resource plan for the Developer and its Subcontractors	A
			Arrangements for coordinating and managing staff interaction with TxDOT and its consultants, including collocation of Key Personnel and description of approach to coordinating work of off-site personnel	A

Part	Ref	Section	Contents	Required by
7. ROW Acquisition Management (continued)				
			Names and contact details, titles, job roles and specific experience required for the Key Personnel as related to ROW acquisition and Utility Adjustment activities.	A
			Names and contact details, titles, job roles of principal personnel for Subcontractors and any third party with which Developer will coordinate activities	A
		Subcontractors	Overall control procedures for Subcontractors, including consultants and subconsultants	A
			Responsibility of Subcontractors and affiliates	A
			Steps taken to ensure Subcontractors and Suppliers meet the obligations imposed by their respective Contracts	A
			Procedures for implementation of the Environmental Protection Training Program for employees of Subcontractors in accordance with Section 4	A
		Interfaces	Interfacing between the Developer, Subcontractors and independent certifiers during Project ROW acquisition including the interfaces between Project ROW acquisition, Project design, and any quality reviewer	A
			Coordination with Utility Owners	A
			Utility Adjustment Plan	B
		Relocation	Relocation Plan (Right of Way)	B
		Environmental	Control of the interface between environmental requirements (including Hazardous Materials and demolition) and Project ROW acquisition activities	A
			Applicable procedures for the Hazardous Materials Management Plan in accordance with Section 4	A
			Applicable procedures to implement the Stormwater Pollution Prevention Plan (SW3P), recycling program and waste management in accordance with Section 4	A
			Address Project Environmental Mitigation Plan (PEMP) requirements	A
		Schedule Procedures	Logic linked ROW acquisition activities on a parcel-by-parcel basis as part of the Project Baseline Schedule, including adequate time periods for TxDOT review and condemnation activities in accordance with Section 7	A
			Procedures describing how the principal activities will be performed during the Project ROW acquisition, whether directly undertaken or subcontracted	A
		Quality Control	Procedures to ensure accuracy, completion, and quality in submittals to TxDOT and Governmental Entities	A
			Procedures to establish and encourage continuous improvement	A
			Quality control procedures and quality review standards for Project ROW acquisition in accordance with Section 7	A
			Procedures for environmental compliance	A
		Audit	Name, title, roles and responsibilities of supporting quality management staff reporting to the person with defined authority	A
		Document Management	The manner in which records will be maintained in compliance with the Technical Provisions, including any specific systems Developer will use	A

Part	Ref	Section	Contents	Required by
			Document management procedures in compliance with the Technical Provisions Section 2	A
			Identify environmental documentation and reporting requirements	A
8. Risk Management Plan				
			Procedures for identifying, assessing, analyzing, controlling and managing project risks to meet its obligations under the Agreement.	A