

APPENDIX G: EPIC

During the planning phase of project development the following environmental permits, issues and commitments have been developed during coordination with resource agencies, local governmental entities and the general public. Any change orders and/or deviations from the final design must be reported to the Engineer prior to the commencement of construction activities, as additional environmental clearances may be required.

I. Clean Water Act, Section 402 National Pollutant Discharge Elimination System
(Addresses MS4 requirements for project)

No Action Required Required Action

Action No.	Waters of the US/Station # R/L of Centerline	Commitment
1.	US 281 CROSSINGS	The project crosses Jurisdictional waters of the U.S. with impacts of less than 0.1 acres. Therefore, the work can be performed under a NWP 14, with a preconstruction notification (PCN).
2.	Unnamed tributary to Salado Creek (CL Sta 171+27) Unnamed tributary to Lorence Creek (CL Sta 234+12) Unnamed tributary to Lorence Creek (CL Sta 264+00) Unnamed tributary to Lorence Creek (CL Sta 269+00)	
3.	LP 1604 CROSSINGS	
4.	Unnamed tributary to Panthers Springs Creek (CL Sta 236+20) Unnamed tributary to Panthers Springs Creek (CL Sta 265+00) Unnamed tributary to Panthers Springs Creek (CL Sta 275+30) Panthers Springs Creek (CL Sta 305+50)	
5.	Unnamed tributary to Lorence Creek (CL Sta 368+30) Unnamed tributary to Lorence Creek (CL Sta 388+25) Mud Creek (CL Sta 486+75)	

II. Clean Water Act, Section 401 and 404 Compliance

Filling, dredging or excavating in any water bodies, rivers, creeks, streams, wetlands or wet areas is prohibited unless specified in the USACE permit and approved by the Engineer.

No Permit Required 404 Permit and 401 Certification Required

The Contractor must adhere to all of the terms and conditions associated with the following permit(s):

Permit	Required Action	Waters of the US	Applicable Plan Sheet Title
1.	Throughout the project.		Since the project would disturb more than 5 acres of land, a Notice of Intent (NOI) as a part of a TCEQ Texas Pollutant Discharge Elimination System (TPDES) construction general permit would be required. A Stormwater Pollution Prevention Plan (see SW3P sheets) is included. All temporary erosion controls would be in compliance with the TxDOT standard specifications and would be in place according to the construction plans, prior to commencement of construction related activities and inspected on a regular basis.
2.			
3.			
4.			
5.			

III. Cultural Resources

No Action Required Required Action

Action No.	Station # R/L of Centerline	Commitment
1.		
2.		
3.		
4.		
5.		

Refer to TxDOT Standard Specifications in the event historical issues or archeological artifacts are found during construction. Upon discovery of archeological artifacts (bones, burnt rock, flint, pottery, etc.) cease work in the immediate area and contact the Engineer immediately.

IV. Hazardous Materials or Contamination Issues

No Action Required Required Action

Action No.	Station # R/L of Centerline	Commitment
1.		
2.		
3.		
4.		
5.		

If potentially hazardous material and/or contaminated media (i.e. soil, groundwater, surface water, sediment, building materials) are unexpectedly encountered during construction, cease work in the immediate area and contact the Engineer immediately.

V. Federal Listed, and Proposed Threatened and Endangered Species, Critical Habitat, State Listed Species, Candidate Species and Migratory Birds

No Action Required Required Action

Action No.	Station # R/L of Centerline	Commitment
1.	Throughout the project limits.	Potential existing underground caves with endanger species within the project limits. Avoidance and minimization efforts will be made to preserve as many habitats as possible. In locations where caves are unavoidable, casing of structures foundation will be implemented to minimize the impact to endanger species.
2.	Throughout the project limits.	If a karst feature is encountered during construction, work will cease in the immediate vicinity of the feature. Notification will be provided to TCEQ and a Professional Geoscientist will evaluate the feature in accordance with TCEQ regulations and following Edwards Aquifer Rules. Contingencies will be planned in advance, and written procedures will be in the possession of construction supervisors. A plan will be submitted for TCEQ review and approval for the removal or sealing of sensitive features on the recharge zone. Construction will not continue in the vicinity of the feature until the plan to address the feature has been approved by the TCEQ and the treatment has been completed.

LISTED SPECIES

If any of the listed species are observed, cease work in the immediate area, do not disturb species or habitat and contact the Engineer immediately. The work may not remove active nests from bridges and other structures during nesting season of the birds associated with the nests. If caves or sinkholes are discovered, cease work in the immediate area, and contact the Engineer immediately.

MIGRATORY BIRD NESTS:

Schedule construction activities as needed to meet the following requirements:
All areas of construction activity are to be inspected prior to construction to insure that no migratory species would be impacted. Bridge and culvert demolition must be scheduled outside of nesting season to avoid impacts to birds or contractor shall remove old bird nests between October 1 and February 15 from any structure where work will be done and prevent migratory birds from building nests between February 15 and October 1.

VI. Vegetation Resources

No Action Required Required Action

Action No.	Station # R/L of Centerline	Commitment
1.	Throughout the project limits.	Potential vegetation is characterized by oak, juniper, huisache in this area. Avoidance and minimization efforts will be made to preserve as many trees as possible. Only those trees which are located in direct conflict with travel lanes or within the safety clear zone will be removed.
2.		
3.		
4.		
5.		

VII. Edwards Aquifer

No Action Required Required Action

Action No.	Station # R/L of Centerline	Commitment
1.	Throughout the project limits.	Complete water Pollution Abatement Plan (WPAP) and provide Best Management Practice (BMP) to remove total suspended solids as detailed in the WPAP.
2.		
3.		
4.		
5.		

VIII. Other Environmental Issues

Construction Noise Barriers

No Action Required Required Action

Action No.	Station # R/L of Centerline	Commitment
1.	469+50 to 484+50	Construct noise barrier if approved by majority of adjacent property owners.
2.	490+10 to 495+00	Construct noise barrier if approved by majority of adjacent property owners.
3.	497+00 to 503+00	Construct noise barrier if approved by majority of adjacent property owners.
4.		
5.		

NOTE:

The commitments shown represents what is required of the Design/Builder to meet the commitments made in the categorical exclusion (CE). The Design/Builder remains responsible to adhere to the environmental commitments identified in the CE.

ALAMO REGIONAL MOBILITY AUTHORITY
SAN ANTONIO, TEXAS



**ENVIRONMENTAL PERMITS,
ISSUES AND COMMITMENTS
(EPIC)**

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
6			LOOP 1604
STATE	DISTRICT	COUNTY	
TEXAS	SAT	BEXAR	SHEET NO.
CONTROL	SECTION	JOB	
0253	04	100	1604EPIC.dgn

Note To Designer:
 1. Do not alter Sheet Design or Font style, size or weight - match text attributes.
 2. If additional space is needed for a numbered section, fence and adjust sections up or down as needed for proportioning and readability but do not relocate from its relative position.