

Exhibit A: Scope of Services

The successful proposer shall provide described services during the development and design of construction plans and specifications, during the procurement process, as well as design support during construction, should a project be approved. Please note that LAWA has no obligation to build, finance, or approve any of the projects identified in this scope of services until all necessary environmental review is complete, and LAWA retains sole discretion to weigh the environmental impacts of any and all of these projects and to reject them entirely. The scope for this RFP will include, but not be limited to:

- Evaluation of Project Definition Booklets (PDB) and providing alternatives and/or suggestions on phasing and implementation strategies
- Designing runway, taxiway, taxilane, and other airfield pavement improvements at LAX
- Designing runway, taxiway, and taxilane pavements, including taxiway islands and shoulders to meet FAA ADG VI standards
- Designing the layout and use of airfield lighting, signage, and pavement markings
- Enabling projects, including but not limited to the demolition and/or relocation of impacted facilities, buildings, utilities, within the proposed project footprints.
- Field Surveys
- Geotechnical Investigations
- Basis of Design Reports
- Existing condition assessments
- Airfield simulation modeling and implementation studies
- Coordinating designs with FAA and other agencies as necessary
- Coordinating with Tenants, Airlines and others as necessary
- Submitting for Permit Plan Check(s) and assisting LAWA in preparation of procurement documents
- Providing full design services in compliance with all FAA Advisory Circulars
- Preparing Construction Safety and Phasing Plans (CSPP) for submission to FAA as necessary
- Supporting FAA Safety Management System (SMS) process as necessary
- Evaluating construction phasing options and schedule impacts
- Preparing and providing detailed construction estimate
- Preparing a full set of Plans and Specifications, including construction phasing documents
- Providing engineering support during construction procurement period
- Providing engineering administration support through construction and project closeout

It is anticipated that the successful proposer will be working on ATMP and Non-ATMP projects under this contract. ATMP Projects are proposed projects identified as part of the ATMP. These

projects are currently going through the environmental process (CEQA/NEPA), and project components and scope are subject to change upon approval of the CEQA by the Board and City Council, and NEPA approval by the FAA. Non-ATMP projects are potential future projects that are pending environmental review. Project components and scope are subject to change upon approval of the CEQA by the Board and City Council, and NEPA approval by the FAA. Project design for the proposed Runway 6L-24R Exits, potential future Runway 6R-24L Rehabilitation, and potential future Runway 6L-24R Rehabilitation projects shall be completed no later than June 2022. The remaining projects will be designed in the subsequent years as directed by LAWA. It is anticipated that the successful proposer will work on the following ATMP and Non-ATMP airfield projects:

ATMP Projects

1. Proposed Runway 6L-24R Exits

A. Required Work Effort

Develop and coordinate construction plans, specifications, estimates and bid documents for the construction of four (4) new exit taxiways in the North Airfield Complex, construction of connector taxiways to Taxiways D & E, demolition & decommissioning of existing Taxiways Y & Taxiways Z, and realignment of Taxiway BB. Coordination with other potential future airfield construction projects, and various impacted stakeholders.

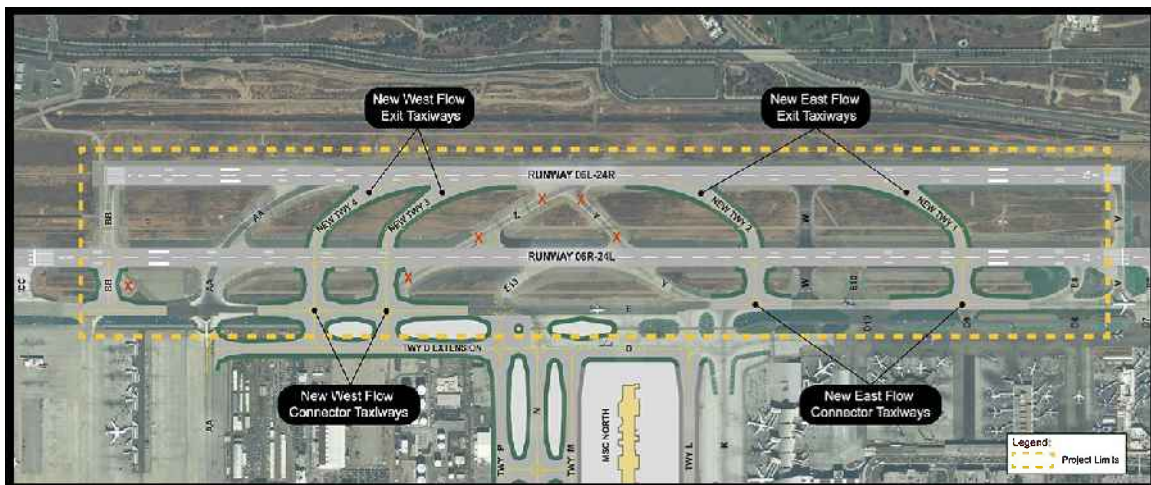


Figure 1: Proposed 6L-24R Exits Project Exhibit

B. Anticipated Scope

- i. Two new exit taxiways (pavement, shoulders, islands) east of Taxiway Y for east flow operations, including connector taxiways south of Runway 6R-24L to Taxiway E, to meet FAA ADG VI standards.
- ii. Two new exit taxiways (pavement, shoulders, islands) west of Taxiway Z for west flow operations, including connector taxiways south of Runway 6R-24L to Taxiway E and D, to meet FAA ADG VI standards.
- iii. Reconfiguration of Taxiway BB, south of Runway 6R-24L, and connection to Taxiway E, which includes new pavement and shoulder.
- iv. Airfield lighting, signage and pavement markings.
- v. Decommissioning & demolition of Taxiway Y north of Runway 6R-24L, and Taxiway Z (north and south of Runway 6R-24L).

- vi. Identification of impacted Navigational Aids (NAVAIDs) to be relocated including design, receiving site for impacted NAVAIDs and the associated coordination with the FAA.
- vii. Identification of alternatives and opportunities to rehabilitate / reconstruct portions of Taxiway E when areas are closed to facilitate new exit taxiways and associated connectors. The Consultant will develop the full design to the rehabilitation / reconstruction of portions of Taxiway E if alternatives are accepted by and, as directed by LAWA.
- viii. Assisting LAWA in coordinating with the FAA regarding the existing Modification to Standards (MOS) permitting the reduced separation between Runway 6R-24L and the exit taxiway hold position marking.
- ix. Assisting in developing any MOS required for the project and providing the supporting analysis and documents as requested by LAWA.
- x. Assisting LAWA in coordinating with the FAA for review of proposed exit taxiway designs, geometry, locations and hold bar orientation.
- xi. Integration of taxiway nomenclature for new exit taxiways to the existing LAWA Taxiway Nomenclature System, including connector taxiways south of Runway 6R-24L to Taxiway E and D.

2. Proposed Taxiway D Westerly Extensions Between Taxiway AA and E17

A. Required Work Effort

Develop and coordinate design and construction plans, specifications, estimates and bid documents for the reconstruction of existing pavement, including shoulders, to ADG VI standards, installation of airfield lighting, signage, and airfield markings to current FAA standards.

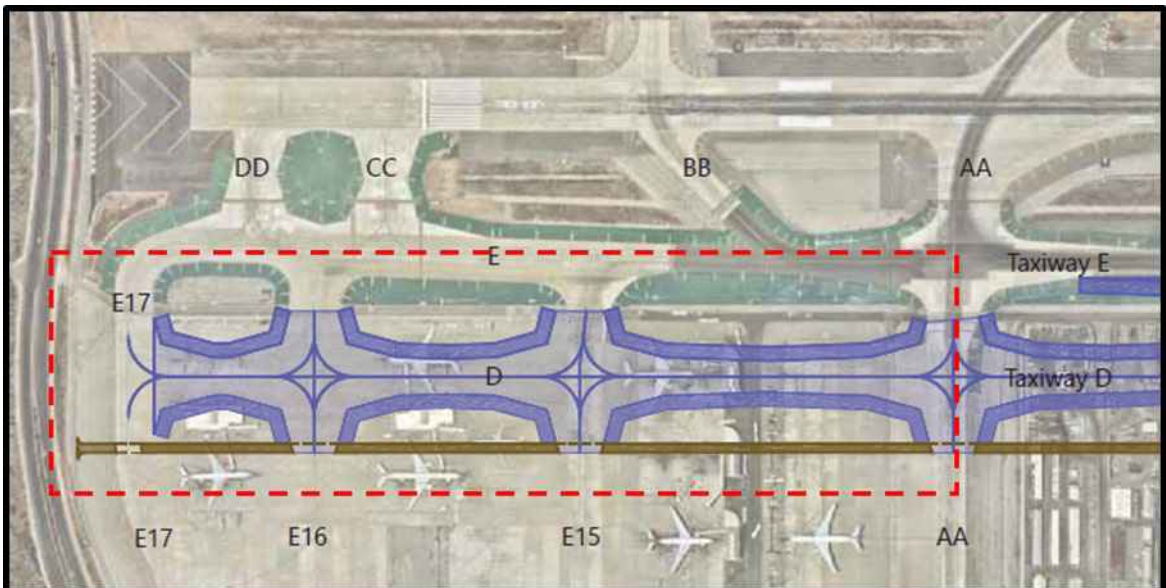


Figure 2: Proposed Taxiway D Westerly Extension between Taxiway AA and E17 Project Exhibit

B. Anticipated Scope

- i. Relocation of existing GSE chargers and related equipment, removal of Remain Over Night (RON) aircraft parking spaces, demolition of passenger boarding

- bridges (PBBs) and buildings at the West Remote Gates, and other infrastructure removal and/or modification.
- ii. Reconfiguration of the vehicle service road network as impacted by Taxiway D Westerly Extension between Taxiway AA and Taxiway E17
- iii. Taxiway D lighting, intersection and pavement improvements to convert Apron areas to a Group VI compliant taxiway from Taxiway AA to Taxiway E17

3. Proposed Taxiway D & E Easterly Extension

A. Required Work Effort

Develop and coordinate construction plans, specifications, estimates and bid documents for the construction of the extension of Taxiways D and E to the east, relocation of VSR E and pavement area to support aircraft operations at the proposed Concourse 0. Coordination with the Proposed Concourse 0 program design for terminal and airside design interface, with other potential future airfield construction projects, and various impacted stakeholders.



Figure 3: Proposed Taxiways D & E Easterly Extension Project Exhibit

B. Anticipated Scope

- i. Easterly extension of Taxiway D as an ADG V taxiway;
- ii. Easterly extension of Taxiway E as an unrestricted ADG V/restricted ADG VI taxiway;
- iii. Relocation of the easternmost portion of Vehicle Service Road E.
- iv. A paved area located at the eastern ends of Taxiways D and E available for aircraft pushbacks from the proposed Concourse 0 and available for temporary hold area for departing aircraft.

C. Optional Scope

At LAWA's direction, develop and coordinate construction plans, specifications, estimates, and bid documents for the taxiway which would provide access from the proposed Taxiway D Easterly Extension to the proposed Concourse 0 apron and aircraft gates, and may include an area for aircraft parking positions.

4. Proposed Taxiway C Easterly Extension

A. Required Work Effort

Develop and coordinate construction plans, specifications, estimates and bid documents for the construction of the extension of Taxiways C to the east, C from Taxiway C3 to Taxiway B1 and relocation of VSR C. Coordination with the Proposed Terminal 9 program design, with other potential future airfield construction projects, and various impacted stakeholders.



Figure 4: Proposed Taxiway C Easterly Extension Project Exhibit

B. Anticipated Scope

- i. Relocation of Vehicle Service Road C
- ii. Relocation and easterly extension of Taxiway C from Taxiway C3 to Taxiway B1
- iii. The relocated vehicle service road would be designed at ADG VI separation from Taxiway C and the relocated/extended Taxiway C would be designed at ADG VI separation from Taxiway B.

C. Optional Scope

At LAWA's direction, develop and coordinate construction plans, specifications, estimates, and bid documents for the aircraft parking apron and/or taxiways connecting the proposed Terminal 9 to the proposed Taxiway C Extension. Coordination with the proposed Terminal 9 program design required.

Non-ATMP Projects

5. Potential Future Runway 6R-24L Rehabilitation

A. Required Work Effort

Develop and coordinate construction plans, specifications, estimates and bid documents for the full depth reconstruction of 820 feet of Runway 24L, and mill & overlay of the keel section of the existing pavement, including striping restoration plans for Runway 6R-24L. Coordination with other potential future airfield construction projects, and impacted stakeholders.



Figure 5: Potential Future Runway 6R-24L Rehabilitation Project Limits

B. Anticipated Scope

- i. PCC Reconstruction of the eastern 820 feet of the runway, and mill & overlay of the 5000 feet of the runway west of Taxiway Z

6. Potential Future Runway 6L-24R Rehabilitation

A. Required Work Effort

Develop and coordinate construction plans, specifications, estimates and bid documents for the rehabilitation of the keel section of the existing pavement, including striping restoration plans for Runway 6L-24R. Coordination with other potential future airfield construction projects, and impacted stakeholders.



Figure 6: Potential Future Runway 6L-24R Rehabilitation Project Limits

B. Anticipated Scope

PCC reconstruction and/or milling and replacement of the existing asphalt (AC P-401) pavement wearing surface in the keel area between Taxiways V and AA

End of Scope of Work