



## LOOP 101 PROJECT UPDATE

## MARCH 2021

Project Web Site: [www.L101mobilityaz.com](http://www.L101mobilityaz.com)

### ACTIVITIES COMPLETED

- A comment resolution webinar was held for the draft L101 Operations Plan on January 21, 2021. Feedback from this meeting and other follow-up discussions was incorporated into a revised draft L101 Operations Plan that was distributed to stakeholders on March 19, 2021.
- All necessary clearances were obtained for the Glendale Stadium Adaptive Signal Control project on February 8, 2021. After this milestone, ADOT was able to commence efforts to establish an IGA with the City of Glendale that needs to be in place prior to the project being advertised.
- The Technical Team leads met on February 17, 2021 to discuss progress across tasks. This group will meet periodically to coordinate on L101 technical activities and identify synergies among tasks.
- The Communications and Outreach Team held their second meeting on March 2, 2021. This group discussed the draft Communications and Outreach Plan, which will include agency updates and information needs, a toolbox of outreach resources, and a future focus on public awareness and education about the Loop 101 Mobility Project. Public information/communications representatives from each stakeholder agency are invited to participate in this team.
- The L101 Executive Governance Team meeting was held on March 22, 2021. This meeting included a discussion on the draft L101 Operations Plan, an update on the Glendale Adaptive Traffic Signal System, the Scottsdale Connected Vehicle Readiness Assessment, and an update on the Communications and Outreach Plan.
- Meetings were held with Arizona State University and the University of Arizona to coordinate on scoping priorities for their respective tasks, which include modeling support for the L101 Operations Plan and Concept of Operations (ASU) and the Connected Vehicle readiness assessment. Both tasks are initiated.

### UPCOMING MEETINGS

- Additional meetings for 2021 are in the process of being scheduled. Anticipated meetings in the second quarter include:
  - Concept of Operations kick-off (April 6, 2021)
  - Scottsdale Connected Vehicle Readiness Assessment kick-off (April 19, 2021)
  - Executive Governance Quarterly Meeting (TBD June)
  - Education and Outreach Team regroup (April TBD)
  - Technical team leaders' coordination call (TBD)

### TECHNICAL TASK UPDATES

#### Decision Support System / Operations Plan Development

Agencies provided feedback on the draft L101 Operations Plan which was submitted in late 2020. Comments were discussed and reviewed at the January 21, 2021 Comment Resolution webinar. Follow up calls were scheduled with stakeholders to discuss comments in more detail. Several comments focused on system-level



interactions, and these will be carried forward to address as part of the Concept of Operations. A revised version of the Operations Plan and the comment resolution sheet was distributed to project stakeholders on March 19, 2021. This referenced specific sections that were modified or added, including a section on ICM process ownership and roles and a section on training needs for ICM (additional system training needs will be identified in the Concept of Operations). The revised document also outlined what elements will be carried forward to the Concept of Operations. Final comments on the Operations Plan are requested by April 2, 2021, and the April 6 webinar will look to resolve any final feedback received. Completion of the L101 Operations Plan is a key milestone in the overall ICM and Decision Support System planning process.

The GEC team has prepared a preliminary outline for the Concept of Operations to be reviewed with stakeholders on the April 6, 2021 kick-off webinar. This outline identifies where elements of the Operations Plan will be integrated with the Concept of Operations required sections.

Arizona State University's task is underway to support modeling ICM strategies. This will help to refine proposed strategies and expected operational improvement goals.

#### **Adaptive Signal Control Technology (ASCT) for Glendale-area Special Events**

This project will implement ASCT to support traffic management for special events near the stadium in Glendale. All required clearances are complete, and a draft scope of work has been developed in coordination with ADOT, MCDOT and the City of Glendale. ADOT's Procurement Group is reviewing a draft procurement package. The Intergovernmental Agreement between ADOT and the City of Glendale is in the final review stages. As soon as the agreement is executed, ADOT can release the procurement. ADOT will administer the procurement and installation. The target date for operations of the ASCT is late summer 2022 in advance of Super Bowl LVII in February 2023 that will be held in Glendale.

#### **Adaptive Ramp Meter Technology for Loop 101**

ADOT is leading implementation of adaptive ramp meters on the Loop 101 corridor. This technology is being installed as part of several projects and in different phases over the next two years. The current traffic volumes on Valley freeways are lower than normal and are not consistently triggering ramp meter operations. ADOT will continue to monitor peak-hour volumes to identify an appropriate timeframe for implementing the adaptive capabilities for the ramp meters on a segment of the corridor. An Existing Conditions memo has been developed and reviewed by ADOT.

#### **Connected Vehicle Technologies for Transit and Emergency Vehicles**

This project will implement connected vehicle technologies to support vehicle-to-infrastructure and vehicle-to-vehicle communications to provide intelligent transit signal priority for transit and emergency vehicles during ICM events. Maricopa County DOT has issued a task order to the University of Arizona for a Readiness Assessment which will identify candidate corridors and transit routes within the Loop 101 vicinity in Scottsdale to pilot connected vehicle technologies. Once the Readiness Assessment is complete, a detailed scope and



implementation plan will be developed. One outcome of the Readiness Assessment will also be the identification of one intersection to equip to provide initial proof-of-concept. This will allow the City of Scottsdale to engage with the connected vehicle technology and operations and see how it operates within the existing Scottsdale operational environment prior to the larger scale pilot deployment.

### **Traveler Mobility Application**

No activity yet. Needs and requirements for this application will be determined during the Concept of Operations process. A future Request for Information is planned to get feedback from industry on emerging applications that could be applicable to Loop 101 and regional travelers.

## PROJECT REPORTING

Quarterly Reports are submitted to FHWA per the ATCMTD program requirements. These reports include a summary of activities completed for the quarter as well as agency in-kind match reports. The first Quarterly Report to FHWA for 2021 will be submitted in mid April.

Annual Reports are submitted in September, to correspond to the obligation date outlined in the ADOT-FHWA Agreement. The last report submitted was in September 2020 for the prior year's activities.