

Traffic Control Plan

INTRODUCTION

This Traffic Control Plan provides a discussion of access roads that vehicles and equipment will use to access the 650 Project right-of-way and construction work areas. This plan, in compliance with **APM TRAN-1** has been prepared to identify measures that will be implemented to prevent impacts to the public and existing traffic conditions as a result of project-related traffic and use of existing access roads.

REGULATORY OVERVIEW

There are several federal, state, and local agencies that have jurisdiction over traffic related activities, including the California Department of Transportation and Nevada County. The Prime Construction Contractor will be responsible for obtaining all relevant permits and approvals and must be familiar with requirements directly related to the construction, use, and/or maintenance of roads in the project area. Additionally, the Contractor will be required to comply with all NEPA, CEQA and TRPA permitting conditions specific to roadway and access way construction and management.

TRANSPORTATION MANGEMENT PRACTICES

This section describes the transportation management practices established to mitigate potential impacts to traffic and public safety during construction, operation, and maintenance activities.

Vehicle Speed Limits

Project vehicles and equipment will obey local speed limit and traffic laws. Speed limits will be reduced on unpaved access roads to the safe preconstruction speed limit as posted or determined by the highway patrol, county, or local users. The Prime Construction Contractor will also be required to reduce speeds along unpaved access roads or along the centerline to prevent excessive amounts of construction related dust; in compliance with **APM AQ-7**, all vehicle traffic will require a 15 mph speed limit on unpaved roads. The Environmental Inspector(s) will monitor dust and discuss speed

reductions on unpaved surfaces as necessary with Liberty Utilities and the Prime Construction Contractor. This requirement will apply to all individuals working on the project.

Detours, Lane Closures, and Traffic Controls

Project related-traffic is not expected to substantially increase traffic in the project area. Liberty Utilities does not anticipate any long-term lane or road closures. If a temporary land and/or road closure is required, Liberty Utilities will coordinate with the appropriate agencies, affected parties, and emergency service providers well in advance of the anticipated closure.

The Prime Construction Contractor will be required to follow the appropriate procedures identified in the Caltrans “Manual of Traffic Controls for Construction and Maintenance Work Zones;” and the appropriate procedures identified in the U.S. Department of Transportation (USDOT) Manual on Uniform Traffic Control Devices to prevent impacts to traffic and the public, including (in accordance with **APM TRAN-01 and AQ-12**), but not limited to:

- Establishing detour routes for vehicles, pedestrians, bicycles, etc. and alternative emergency vehicle access routes, as necessary, during construction
- Scheduling construction activities that will require temporary road or lane closures during off-peak hours if possible (**APM AQ-13**)
- Using caution when operating equipment in congested areas to prevent conflict with the use of public roads.
- Attaching a reflectorized “Slow Moving” vehicle emblem to all slow-moving equipment.
- Installing signs with flags at either end of work areas in public roads.
- Using a flagperson in addition to warning signs to control traffic, where necessary, and as directed by LU and the Environmental Field Inspector(s) (**APM AQ-12**)
- Coordinate with local transportation agencies and emergency service providers for temporary lane and road closures.

- Providing mechanisms to prevent construction activities from interfering with emergency response or emergency evacuation plans in the event evacuation plans were to be activated during the construction period.
- Identify prior to construction with CalTrans or the local authorities any time restrictions on construction activities that could affect roadways.
- Provide provisions for maintaining safe pedestrian and bicycle travel (e.g., signage to direct pedestrians and bicyclists to safe routes around construction areas)

Communications

Every effort will be made to minimize the effects of the project construction activities on public transportation and to provide for public safety. Liberty Utilities, the Prime Construction Contractor, and the Environmental Field Inspector(s) will maintain a communications network that consists of one or both of the following devices: two-way radios and/or cellular phones. This will allow for coordination of equipment traffic along existing access roads and the centerline travel route such that public safety and traffic impacts are minimized.

The Prime Contractor shall ensure public outreach is completed that advises the travelling public of construction activity and travel restrictions.

The Traffic Control Plan measures shall be monitored by Liberty's Construction Manager for effectiveness and adjustments shall be made as needed to the implementation of the Traffic Control Plan to further minimize travel disruptions and maintain safety.

Notifications

Liberty Utilities will provide appropriate notice and information regarding construction transportation activities to adjacent landowners, utility providers, emergency service providers, transportation agencies, and other entities potentially affected by construction, operation, and/or maintenance activities. Notifications may include:

- In accordance with **APM-NOI-01** and **REC-01**, Liberty Utilities will conduct a mailing of a preconstruction notice to landowners and current residents of properties crossed by the route one month prior to construction.
- Posting information about the project in affected, populated neighborhoods. (**APM NOI-02**)
- Publishing notices in local newspapers.
- Liberty will be required to have a landowner liaison, or Disturbance Coordinator, that is assigned to respond to complains, address questions, and be the point of contact for land owners regarding the construction access and activities. This will occur in addition to the land owner notifications that will be completed by Liberty prior to start of construction. (**APM-NOI-03**)

The Prime Construction Contractor will also post signs in the project area to notify landowners and the public of construction activities. See Fencing, Flagging and Signage Plan.

Environmental Protection Measures

Liberty Utilities has located the transmission line route and access roads to avoid sensitive resources and minimize impacts to the public to the greatest extent possible. Areas to be avoided may include noxious weed infestation areas, sensitive biological and cultural resource areas, and streams and wetlands. In addition to the measures above to prevent impact to exiting traffic and the public, the following measures will be implemented to prevent transportation-related impacts to environmental resources during construction, operation, and maintenance:

- All project personnel will be required to attend environmental training provided by the Environmental Field Inspector(s) that will review access road use and traffic management requirements (**APM HAZ-01**)
- Approved project access roads will be clearly marked in the field with signs or flagging prior to construction to ensure that construction travel is limited to approved access roads.
- Access will be restricted in and around wetlands and streams or as directed by Liberty Utilities and the Environmental Field Inspector(s).

- Access will be restricted in and around wetlands and SEZ zones in accordance with the COM maps (Appendix N)
- Passing will be limited along the ROW and, where established turnouts are not available, will coincide with pole sites and wire setup sites. Passing will be prohibited in sensitive resource areas.
- Vehicles and equipment will be equipped with approved spark arresters and appropriate fire suppression equipment to prevent fires from starting in off-road areas.
- Vehicle idling time will be limited to a maximum of 5 minutes for vehicles and construction equipment, except where idling is required for the equipment to perform its task.
- Any visible trackout of mud, silt or sand deposited on paved, public roadways will be cleaned up at the conclusion of each workday or at 24-hour intervals for continuous operation. If trackout extends for a cumulative distance greater than 50 feet, it will be cleaned up within 1 hour. Trackout will be cleaned with a wet sweeper or vacuum device. **(APM AQ-09)**
- Trucks transporting bulk materials off-site will be maintained such that no spillage can occur from holes or other openings in the cargo compartments. Loads will be completely covered or the bulk material will be wetted and loaded to maintain 6 inches of freeboard from the top of the container. **(APM AQ-10)**

The Environmental Field Inspector(s) will monitor the use of approved access roads, implementation of traffic signs and controls, and road improvements to ensure compliance with project permits. The Environmental Field Inspector(s) will be responsible for identifying remedial actions if the project's use of access roads results in damage to the roads or contributes to excessive erosion and sedimentation.