

PID No. 125854 State Job No. 130547
Scope of Services Meeting Time: 11 a.m.
Date: Tuesday, July 7, 2026
Location: ODOT CO/Microsoft Teams
Approved Final Scope of Services Minutes
Date:

Scope of Work:
Traffic Signal Preemption & Queue Management for At-Grade
Railroad Crossings

Statement of Need:

Per Section 8C.09 Traffic Control Signals at or Near Highway-Rail Grade Crossings, queue management is needed at locations where a highway-railroad grade crossing with active warning devices (flashing lights and roadway gates) is located within close proximity to a highway/highway intersection equipped with traffic control signals and highway traffic may queue across the railroad-highway grade crossing. Technical assistance is needed to review existing and address new locations where traffic signal preemption or other queue management improvements may be needed.

Consultant to assist the Ohio Rail Development Commission (ORDC) in the development and administration of projects that alleviate vehicle queuing over railroad crossings by:

- Identifying and making modifications to existing preemption locations in Ohio,
- Creating new preemption locations in Ohio (i.e. new railroad warning device or new traffic signal that creates a need for preemption),
- Developing queue mitigation strategies and making recommendations for alleviating vehicle queuing that may or may not require preemption.

Relevant activities include but are not limited to:

- Collect railroad warning device and traffic signal timing data for preemption locations
- Conduct field reviews and inspections
- Develop timing requirements, traffic signal scope, preliminary traffic signal designs based on scope, preliminary site layouts based on scope (planimetric drawings), and prepare necessary paperwork
- Provide rough cost estimates, for planning purposes, for proposed improvements as needed
- Conduct plan review of traffic signal plans, railroad plans, and roadway plans
- Review bid documents associated with traffic signal and roadway work
- Perform Final Inspections and assist with post-construction preemption-related concerns and troubleshooting

Consultant to work with the Ohio Department of Transportation and Local Highway Authorities, under the direction of ORDC, to provide guidance for the implementation of the Traffic Engineering Manual standard for preemption projects not being administered by ORDC. Such assistance may include, but is not limited to:

- Participation in field reviews
- Review of timing documents
- Review of traffic signal plans and railroad plans

Consultant to be generally available to ORDC to assist with any type of preemption project progression or queue mitigation as needed.