

# **Rest-In-Red (RiR) Questions**

## **Lead-Coal Working Group**

### **Overview**

For those that may not be familiar with Rest-In-Red, please give a brief overview of what it is. In the following sections, there are the main questions and then supporting, detailed questions that are numbered.

### **Goals and Expectations**

#### **What specific problem is Rest-In-Red trying to address?**

1. Speed? 50th percentile speeders? 85th percentile?
2. Speeding just on Lead and Coal, or are speeds on North-South cross streets also an objective?
3. Crashes? Crashes where vehicles leave the roadway?

#### **Why is RiR the preferred solution to this problem?**

1. What alternatives were considered, and what evidence supports RiR over the alternatives?
2. When presented at the September 21, 2021 public meeting there was no relevant published experience with RiR. Is there now?
3. Is there any published experience that comments on complications or unexpected consequences of this kind of system?
4. Are the contractors (and DMD) in communication with the operators or installers of similar or relevant systems elsewhere in the US?

#### **Signal cycle**

1. What are the consequences to signal synchronization along the corridor?
2. What are the consequences to cycle times on Lead-Coal?
3. What are the consequences to cycle times on north south streets?

#### **North-south streets**

1. What information do you have about how driver behavior on north south streets contributes to these signal intersection crashes?
2. What impacts do you expect to driver behavior on north south streets?

### **Metrics and Decision Points**

#### **What are the performance metrics for RiR, and how will these metrics be used and reported internally and to the public?**

1. What data will be collected to demonstrate that RiR is effective (or not) and that it does not have negative collateral effects?
2. What is your plan to monitor crashes as they occur at project intersections?
3. When and how will you be notified of crashes as they occur?

4. How will you monitor for complications or unexpected consequences? What are worst case scenarios?
5. Where will your technology be mounted and will it be subject to damage in collisions?
6. If not effective, or if collateral impacts are negative, will the RiR solution be removed?

## **Status**

### **What are the stages of the project, and how far along are we in these stages?**

1. What are the current planned sites? Are the new signal lights at Walter included? In 2021, the planned sites were:
  1. Coal Ave & Carlisle Blvd
  2. Coal Ave & Girard Blvd
  3. Lead Ave & Carlisle Blvd
  4. Lead Ave & Cedar St
  5. Lead Ave & Girard Blvd
  6. Coal Ave & Yale Blvd
2. Please provide a status of the RiR hardware installation.
3. Provide a status of any items in Feasibility Study Appendix B. “Inventory and Documentation of Existing Signal Infrastructure” Note the report identified that Preemption for emergency vehicles for multiple intersections is not operational.
4. If applicable please describe the functionality for the following RiR phases. (If the 4 phases above are not accurate, please provide the phases that are consistent with the contract.)
  1. All required hardware and software installed; system ready for preliminary operation.
  2. Preliminary system characterization, including any key parameters and measurements that will used to indicate success.
  3. Fully operational system including any key parameters and measurements that will used to indicate success.
  4. Future expansion to include additional intersections, what criteria will be used to determine additional intersections.
5. Please provide a schedule for implementation phases.

## **Communication and Outreach**

### **Presumably, RiR will be more effective at changing driver behavior if drivers understand how RiR operates.**

1. What efforts will be made to publicize how RiR operates?

### **What are the channels of communication between community stakeholders and the city and RiR operation?**

1. What is the plan for community outreach and information?
2. How will performance metrics and decisions (section above) be communicated?
3. Who will be the point of contact for the contractor?
4. Who will be the point of contact for DMD?
5. Who will be the principal, first contact? What will their availability be?

**How is RiR implemented and operated?**

1. Is the RFP and or statement of work for Rest in Red available for public review?
2. Who are the contractors?
3. What is their experience with this kind of work?
4. What is the budget?
5. What are the funding sources?
6. Was this project subject to sole source procurement guidelines?