

**New Jersey Turnpike Authority  
Engineering Department**

**Order for Professional Services No. A4191-1  
Winter Operations System Standardization of  
Magnesium Chloride Tanks and Appurtenances  
at Various Locations**

**Responses to Inquiries  
Request for Expressions of Interest**

1. **Inquiry:** Page 3 of 38: We respectfully request an extension for the submittal of EOIs to Feb 23, 2024 to provide us adequate time to review the reference material, coordinate with our subconsultants and prepare the EOI proposal.

**Response:** Unfortunately, we cannot extend the submission.

2. **Inquiry:** Page 15 of 38: What type of repairs are anticipated by the scope item, "rehabilitation of existing power distribution booth"?

**Response:** The consultant to assess, evaluate, and address all electrical hazards and damaged components at each site, covering feeders, panelboards, and disconnects. All enclosure shall be replaced by stainless steel and all above ground conduits shall be replaced with PVC coated RGS.

3. **Inquiry:** Page 15 of 38: Please confirm the scope of work for the partial replacement of the existing MgCl system components is as defined in the reference document, "Magnesium Chloride System Standardization Report"?

**Response:** The scope of work is to standardize all MgCl systems. Preliminary key program elements for the Standardized MgCl Systems have been outlined below:

- Double Wall Tanks (Size & Quantity Vary by Site)
- Concrete Pad with Safety Bollards
- Upgraded Pump and System Controls (220V)
- Liquid Spray Bar Dispensing System Mounted to Wooden Utility Pole Pad Lighting
- Sensing Equipment for Volume Readout (Ultrasonic APG sensor)
- Connectivity of Fluid Volume Information to NJTA Network

The "Magnesium Chloride System Standardization Report" lists the anticipated scope for each location in order to meet the above criteria.

4. **Inquiry:** Page 15 of 38: If the existing MgCl tanks are to be replaced as part of the partial replacement work has the existing concrete pad been determined to be adequate and large enough to support the replacement tank and equipment?

**Response:** The concrete pads at each location will need to be evaluated to determine if any of the existing concrete pads need to be replaced in order to support the tanks.

5. **Inquiry:** Page 15 of 38: Please confirm that the Environmental Screening Report does not include conducting any soil and/or groundwater sampling.

**Response:** This report shall include, but is not limited to, an analysis of constraints associated with the wetland areas, flood hazard areas, riparian zones, buffers, threatened and endangered species, Category One waters, stormwater management, and reforestation.

6. **Inquiry:** Page 16 of 38: Are topographic surveys and utility engineering required for all locations requiring full and partial replacement only?

**Response:** The Consultant shall perform field surveying as necessary to establish existing conditions and control for design and construction. Surveys may include but are not limited to the determination of roadway alignment, pavement elevations, existing grading, existing guiderail and roadside safety features, existing facilities, equipment pads, signing, curbing, drainage, delineation of environmental features, and other incidental items. A Survey Control Report shall be submitted as part of Phase 'B'

7. **Inquiry:** Page 16 of 38: Are reference drawings depicting existing utility files available for locations requiring full and partial replacement? Are you expecting the consultant required to perform GPR work to identify/verify the utilities?

**Response:** Consultant shall perform GPR work to identify/verify the utilities

8. **Inquiry:** Page 16 of 38: Is the intention of the review of the existing site lighting scope for the consultant to perform a lighting analysis at each location, in the immediate vicinity of the MgCl storage and dispensing system? If so, is night access to the sites available to document lighting levels?

**Response:** Yes, in the immediate vicinity of the MgCl storage and dispensing system. Yes, night access can be made available.

9. **Inquiry:** Page 16 of 38: Engineering services related to commissioning normally involve the engineer witnessing the commissioning activities conducted by the Contractor and do not involve the consultant performing the commissioning of the newly installed equipment himself since this task is beyond design engineering. What is the intention of the scope of work for commissioning?

**Response:** Yes, the engineer is to witness the commissioning of the newly installed equipment, which is to be completed by the contractor.

10. **Inquiry:** Page 16 of 38, Post Design Services: With the project covering 28 sites across the Garden State Parkway and the NJ Turnpike, we do not think a single day final inspection meeting will be sufficient. How many days should we assume?

**Response:** 5-10 days