

Close to 100 workers, including subconsultants, attended Halmar's Safety Day training at Kew Gardens Interchange.

## Safety Team

**Safety Manager Stefano Pappalardo** will reinforce that safety and quality are everyone's responsibility, and make sure all required training is current and complete. A NYC licensed Site Safety Manager, he will provide leadership to all team members to follow the project safety and quality plans. He is also **Halmar's Corporate Safety Director** who brings a total of 32 years of experience in the construction industry, with 17 years serving as a Safety Engineer, Manager, and Director on major transit projects. Stefano successfully managed safety on the following relevant projects:

- ☑ MTA MNR Design and Construction for Enhanced Station Improvements | White Plains, NY | \$90.8M
- ☑ MTA MNR Design and Construction Services for the Replacement of Prospect Hill Road Bridge (HA 53.04) | Town of Southeast, NY | \$9.5M
- ☑ MTA LIRR Design-Build Services Post Avenue Bridge Replacement | Westbury, NY | \$9.8M
- ☑ MTA NYCT Pitkin/Concourse Shop | Brooklyn/Bronx, NY | \$15.2M
- ☑ MTACC 50th St Vent Facility | New York, NY | \$94.8M
- ☑ MTACC ESA 7 Line Extension Vent Project | New York, NY | \$57M
- ☑ WMATA Design-Build Potomac Yards Station | Alexandria, VA | \$213.7M

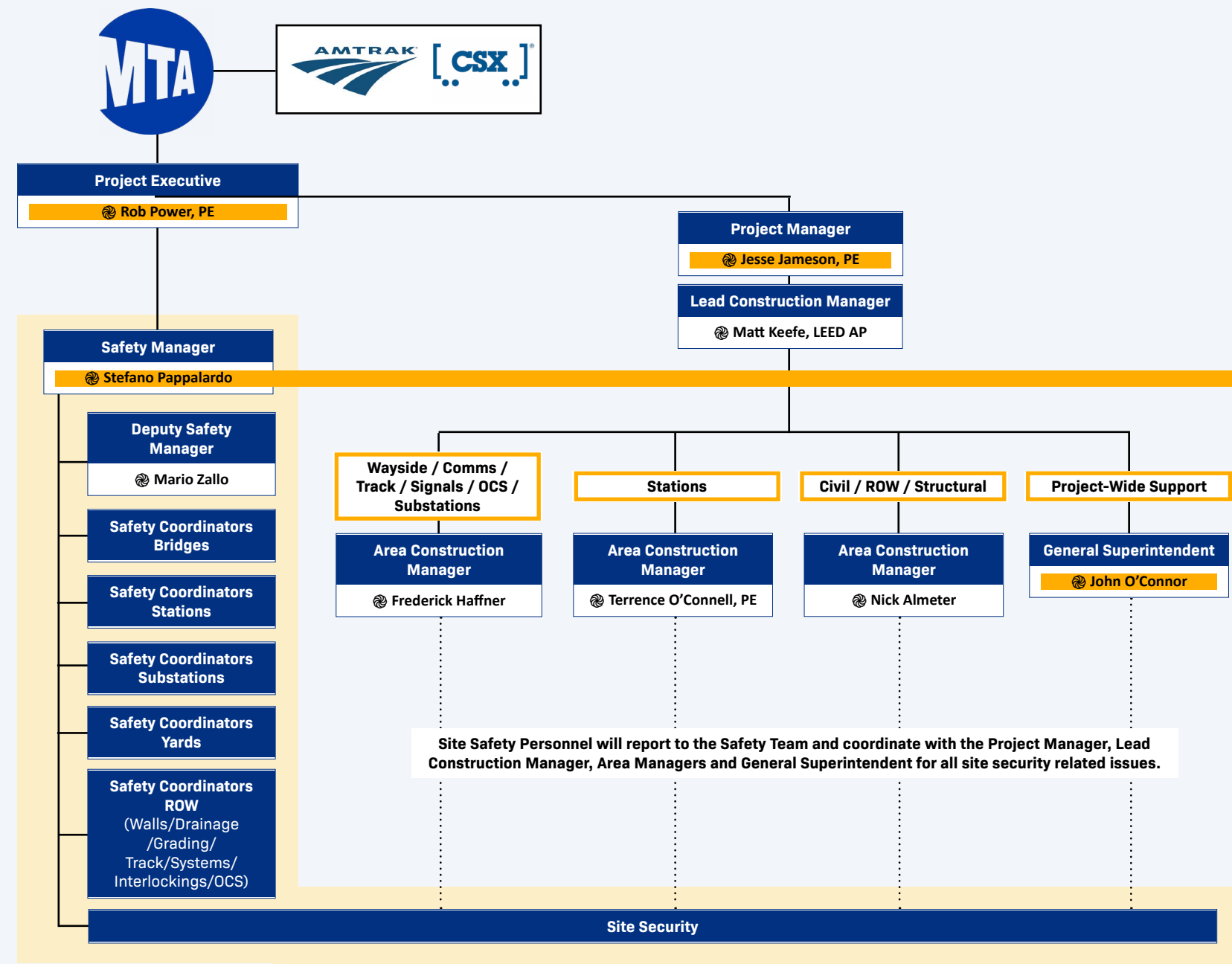
### 1.9 System Safety

# SAFETY IS OUR PRIORITY.

HRJV's goal is **0 incidents and 0 lost days** due to injuries sustained on the job. Our proven methods, proactive culture, strict safety measures and inclusion of workforce participation in our safety program will provide safety to our workers, agency personnel, passengers and the public. Since **safety is essential to our overall success** and reputation, the prevention of accidents is more than just good business, it is our moral obligation. Our Team has developed and maintained methods with emphasis on creating a safe work environment, starting with a safe constructable design.



Proposed Safety Team Organization



- Legend**
- Construction Team
  - Design Team
  - Key Personnel
  - Other Personnel
  - Personnel named in Tech. Provisions
  - Additional/Value-Added Personnel
  - Reporting Structure
  - Resume Provided



- 32 years of Safety Experience
- Experience Working on Active Roadroads
- MTA & Amtrak Experience

HRJV's Safety Team's organization is shown in the organization chart. It shows the overall reporting structure and communication. The Safety Manager will operate as the team's leader and will lead the communication with team staff. This group is the core team that will be responsible for the safety of the entire Project.

**Safety Manager Stefano Pappalardo** will be dedicated full time to the Project and will be responsible for the management of all safety and security matters during all Project phases including design, construction, start-up, commissioning, and testing. He will report directly to **Project Executive Rob Power, PE**, and will be responsible for the following tasks:

- Participate in the development and approval of the HASP.
- Sign the HASP.
- Continually monitor HRJV's implementation of, and adherence to, the HASP.
- Revise the HASP when required by field conditions or by MTA C&D.
- Assign responsibilities and supervise the Deputy Safety Manager and Safety Coordinators, as appropriate.
- Complete all safety documentation, plans, or safety reports.
- Attend safety-related meetings.
- Develop and provide training for HRJV, subcontractors, and MTA personnel to improve safety at the Work sites.
- Comply with all Amtrak, CSX, LIRR and MNR specific-safety rules and requirements.
- Perform any actions required prior to the performance of Work under a Signal Bulletin.
- Stop Work when unsafe conditions are present.
- Comply with all other AHJ specific safety rules and requirements.

The **Deputy Safety Manager Mario Zallo**, will support Stefano and make sure proper procedures and protocol are being followed, as detailed in the **Draft Project Health and Safety Plan (HASP)** included at the end of this Section.

Site-specific **Safety Coordinators** complete the Safety Team. Each Safety Coordinator will be located and present at the project work locations, particularly during construction activities. Each will meet or exceed the qualifications listed in the Contract Documents, including proper track and safety training, two years of relevant experience, and certified and licensed by the appropriate organizations. The Deputy Safety Manager, Mario Zallo, will keep track of all training, certifications and licenses and make sure the Safety Coordinators have the proper tools to address safety matters in the Project site they are assigned to. Mario will also maintain and review all Daily Safety Reports and make sure they include all site security and safety matters and all safety-related activities, safety deficiencies, and corrective actions have been documented.

The Safety Coordinators will report directly to the Deputy Safety Manager for the duration of the Project and will be independent of the physical construction effort. All will be available full-time and have the authority to stop Work if they determine that unsafe conditions are present. Additional responsibilities include:

- Report to the Deputy Safety Manager for daily Work activities.
- Perform safety checks.
- Document any safety findings and corrective actions taken.
- Complete Daily Safety Reports.
- Document any near misses or incidents.
- Communicate with all designated Competent Persons before, during, and after completion of their work shifts.





## Safety Team Approach

HRJV has developed and maintained a proactive culture where emphasis is placed on creating a safe work environment. Our commitment to the safety of our work force, the traveling public and the surrounding communities is a top priority on every project. This is achieved by developing a job-specific Project Specific Health and Safety Plan incorporating Occupational Safety and Health Administration (OSHA), Federal Railroad Administration (FRA), applicable MTA C&D and Amtrak safety procedures and standard specifications.

**HRJV's Safety Team will implement a robust safety training program for all Project staff to promote an environment of awareness and constant learning that is committed to implementing a "zero incident" safety culture.**

## Proven Safety Record

Included in this Section is Schedule XXII (Form S) which details both Halmar's and RailWorks safety numbers and statistics over the past three years. As can be seen by our EMR rates over the last three years, Halmar and RailWorks have consistently maintained rates below industry average.

**With 1,091,827 employee hours worked over the last three years, Halmar has had 0 fatalities and 5 lost workday cases.**

While we constantly work to achieve zero safety incidents every year, the construction industry presents numerous challenges and hazards. We are proactive to prevent accidents before they occur, however when they do, we review every incident and develop a lessons-learned, so that this information can be shared with the entire company to prevent similar incidents from occurring in the future. By using the lessons-learned we improve our strict safety measures and utilize innovative ways to make safety everyone's priority.

## Safety Management Plan

### Proactive Prevention

Our approach to safety focuses heavily on building safety culture through the use of leading performance indicators rather than reacting to lagging indicators. This approach creates a proactive measure to improving safety with the implementation of goals and targets for training hours, crew reviews, tool box talks, plan reviews and OSHA 30 hours training, to name a few.

### Safety Meetings

Prior to the start of every shift and after lunch, each foreman on the project will have a Toolbox Talk (Take 5 for Safety) with their crew to discuss the operations they will be performing and potential safety hazards. To further build on the crew's safety awareness and training, a safety meeting will be held once a week to discuss a safety topic including hazards to look out for and best practices. These meetings will also acknowledge safety successes, review incident investigations, audit results, changes to policies and procedures, communicate hazards, and recognize individuals for their outstanding contributions to safety.

### Subcontractor Coordination

Subcontractors will also receive a copy of the HASP and attend a site-specific safety training prior to entering the jobsite. All subcontractors and suppliers will be subject to the Project safety procedures and will provide safe Work Plans for their activities and their field crews to supplement the Project procedures for their specific Work tasks. All site personnel will participate in daily toolbox talks to reinforce a culture of safety in every employee.

## Schedule XXII (Form S)

At the end of this section, please find **Schedule XXII (Form S) – Safety Questionnaire** for each Principal and Construction Subcontractor that is a Major Participant for the projects listed on Form E-2 submitted with the Proposer's SOQ.



▲ Working with Halmar on MNR's Yankee Stadium Station, Verde installed the electrical components of high-voltage power systems to all elements, light and power to the elevated mezzanine, as well as service platforms and pedestrian overpass. On this project, Verde provided a full-time safety officer managing Verde's field crew who are all OSHA 30-hour certified. The project was completed with a remarkable safety record.

## Project Safety Approach

HRJV understands that the safety of the traveling public and the people working on the Project is a vital element to a successful complex transit project. We will accomplish this through a systematic integration of Project safety elements into all aspects of design and construction. Our Team will bring our proven lessons learned and deep-rooted experience in transit and bridge projects to implement safety protocols that meet all applicable codes, standards, and policy and follows the required guidelines.

### Safety Procedures for Working in an Active Rail Environment

Because the Project involves construction in close proximity to active rail environment, our Project safety approach includes special attention and awareness to the inherent hazard of working adjacent to live track, as this presents one of the greatest challenges to our workers.

With more than 100 transit and rail related projects completed over our Team's history, we have developed, implemented and improved upon our method to develop safety analysis, design and construction procedures working adjacent to active railroads and transit facilities in New York City.

We have a strict and mandatory adherence to the MTA C&D's most current Safety Bulletins related to work on station platforms, material deliveries and removals, use of crane compliance, work train loading, track safety and Flagging Verification Check List, Track Safety Training, and General Orders compliances. Noncompliance could be detrimental to our employees and fellow commuters. We have improved safety through having dedicated Safety Team that specialize in MTA C&D and Amtrak contracts.

### Draft Project Health and Safety Plan (HASP)

Included at the end of this section is the HASP. This manual establishes the minimum safety standards for managers, supervisory personnel and employees of the Project, including expectations of subcontractors who commit to work on the project sites. All personnel are required to comply with all safety rules and are encouraged to identify ways to make the Project site a safer place to work. Supervisors are responsible for safely pre-planning job site activities and taking prompt action to eliminate a hazard when observed. **This Plan is our commitment.** It will be amended periodically to maintain a program with legal and regulatory changes and recognized safe work procedures.

HRJV's **Draft Project Health and Safety Plan** is included as **Appendix C**.

**Safety Incentives that Benefit the Client, the Project, the Firm, and each and every worker.**



▲ All workers on Halmar's Kew Gardens Interchange project who made the 2000-man-hour accident-free goal received new pair of work boots. Safety incentives and training days are part of our proven safety approach.