



**The 14th and Spring Street
STRATEGIC PARTNERSHIP
Between**

**Occupational Safety and Health Administration
Atlanta-West Area Office,**

**The Georgia Institute of Technology - Occupational Safety and
Health Programs Office,**

and

Balfour Beatty Construction

I. PURPOSE/SCOPE

This Partnership was developed jointly by the Occupational Safety and Health Administration (OSHA), the Georgia Institute of Technology On-site Safety and Health Consultation Program (Georgia Tech) and Balfour Beatty Construction, Georgia Commercial Division (Balfour Beatty Team). The common objectives and goals of the Partnership will include the following:

- A. Reduced injuries and illnesses;
- B. Increased safety and health training;
- C. Reduction in the overexposure of workers to health hazards; and
- D. Increased numbers of employers with comprehensive safety and health management systems.

This Partnership is consistent with OSHA's long-range efforts to develop a contractor/government partnership approach to safety management. It allows for better use of OSHA resources and innovation in safety management. It also encourage more participation in the safety process from the construction community.

To facilitate the goal of reducing occupational related fatalities and serious injuries within the construction industry, OSHA, Georgia Tech and the Balfour Beatty Team will implement an agreement (Agreement) under the OSHA Strategic Partnership Program (OSPP). This Partnership will cover the construction of the 14th and Spring Street project (the Project) located in the Midtown community of Atlanta, Georgia. The 14th and Spring Street project is a 20-floor parking and office tower, which includes a 15-floor parking and residential tower consisting of cast in place concrete and pre-fabricated metal framing, both sitting on a concrete podium.

By combining their efforts, skills, knowledge and resources, OSHA, Georgia Tech and the Balfour Beatty Team expect to reduce exposure to hazards and thereby decrease the possibility of serious injuries and fatalities at the construction site.

II. IDENTIFICATION OF PARTNERS

The Partnership will include:

- Occupational Safety and Health Administration
- Georgia Institute of Technology On-site Safety and Health Consultation
- Balfour Beatty Construction, Georgia Commercial Division

III. GOALS/STRATEGIES/PERFORMANCE MEASURES

The primary objective of this Partnership is to create a working relationship that focuses on preventing work-related fatalities, controlling or eliminating serious workplace hazards, and establishing a foundation for the development of an effective safety and health program. The goals employed to achieve these results will include the following:

GOALS	STRATEGIES	MEASURES
<p>Reduce the total number of injury and illness cases by 10 percent, thereby providing a safe and healthy work environment for employees at the Project.</p>	<p>a) Review the OSHA 300 log data of the Partnership participants. Review injury and illness trends and implement effective corrective action(s).</p> <p>b) Calculate the employer’s Total Case Incident Rate (TCIR) and Days away from work, restricted, or job transferred (DART) ¹rates.</p> <p>c) Compare this data with the baseline rates for the Partnership.</p>	<p>a) This goal will be measured by the number of companies participating in the Partnership, which reduce their TCIR and DART rates below the baseline for the Partnership.</p> <p>b) The baseline will be established by the 2018 BLS Rates for Non-Residential Construction NAICS 2362, which is 2.5 and 1.4.</p>
<p>Effectively control workplace hazards by increasing the number of construction companies with safety and health management systems (SHMS).</p>	<p>a) Review the number of employers that receive comprehensive consultation visits.</p> <p>b) Review the number of employers that work with the Partnership to develop and implement comprehensive safety and health management systems.</p>	<p>Measure the number of participants that develop and implement effective safety and health management systems, as a result of participating in the Partnership, compared to the (baseline) initial year of the Partnership.</p>

¹Days Away from work, Restricted, or job Transferred (DART) rate: This includes cases involving days away from work, restricted work activity, and transfers to another job. It is calculated based on $(N / EH) \times (200,000)$ where N is the number of cases involving days away, and/or restricted work activity, and/or job transfer; EH is the total number of hours worked by all employees during the calendar year; and 200,000 is the base number of hours worked for 100 full-time equivalent employees. For example: Employees of an establishment including management, temporary, and leased workers worked 645,089 hours at this worksite. There were 22 injury and illness cases involving days away and/or restricted work activity and/or job transfer from the OSHA 300 Log (total of column H plus column I). The DART rate would be $(22 / 645,089) \times (200,000) = 6.8$.

<p>Increase the number of employees, employers and supervisors who are provided effective safety and health training, such as the OSHA 10-hour course.</p>	<p>a) Review the number of the employers that establish effective safety and health training programs.</p> <p>b) Review the number of the employers that provide employees with OSHA 10-hour/ OSHA 30-hour training.</p>	<p>a) Measure the number of employers with effective safety and health training programs.</p> <p>b) Measure the number of managers, supervisors and employees provided with OSHA 10-hour/ OSHA 30-hour training compared to the (baseline) initial year of the Partnership.</p>
<p>Conduct effective self-inspections, sampling, monitoring, training and consultative activities in areas where employees might be exposed to health hazards such as the following: hazardous noise levels; lead; silica; asbestos; ergonomic stressors; and other health-related hazards.</p> <p>The overall outcome of this goal should be the reduced overexposure of workers to health hazards, as well as a reduced injury and illness rate.</p>	<p>a) Track health hazard related program improvements, as well as training focused on the prevention of health hazards.</p> <p>b) Balfour Beatty Team will track the number of self-inspections and site audits, as well as the number of health hazards identified during these activities.</p>	<p>A comparison will be made between the number of health hazards identified during self-inspections and audits conducted during the (baseline) initial year of the Partnership.</p>

IV. OSPP MANAGEMENT AND OPERATION

A. The Balfour Beatty Team will:

1. Establish a jobsite safety walk team, consisting of a representative of all primary trades active on site, to develop an understanding and awareness that all accidents are preventable. This action will be accomplished by implementing the Balfour Beatty Team's Safety Vision, a comprehensive safety and health management system, which includes:
 - a. Management commitment and employee involvement;
 - b. Hazard analysis;
 - c. Hazard control; and
 - d. Arrangement of training assistance for other stakeholders on site.
2. Mentor subcontractors in safety and health management systems. The term "subcontractors" shall include all multi-tiered subcontractors that arrive for work on the site.
3. Where the potential for airborne silica exposure exists, require the use of wet cutting, or soft cutting techniques and/or dust collection system in compliance with Table 1 of 29 CFR Part 1926.1153, and when employee exposure levels require, mandatory use of approved respiratory protection. Where the potential for air borne silica exposure exists, personal air monitoring will be conducted to assess employee exposure levels. Where the potential for other health issues exists (i.e., carbon monoxide, lead, or large-scale use of chemicals in the building interior during floor finishing), the Balfour Beatty Team will coordinate with the subcontractor responsible for creating the hazard and ensure that air monitoring is accomplished to assess employee exposure levels. The Balfour Beatty Team will compile and track sampling results.
4. Enforce safety rules and regulations. This enforcement authority will include provisions to hold contractors and employees accountable for safety rules and regulations, and, if necessary, remove contractors' employees and supervisors from the job site, following proper disciplinary procedures.
5. Ensure that a competent person performs a risk assessment of all fall hazards. The probability and severity of occurrence for each identified hazard will be evaluated to eliminate or reduce risks through conventional fall protection, engineering or administrative controls to as low a level as possible.
 - a. Critical risks will not be tolerated. A critical risk is defined by work that contains high probability in occurrence and high severity in consequence.

No work will be performed until action is taken to reduce the level of risk to as low as reasonably feasible.

- b. Bricklayers performing overhand bricklaying and related work above lower levels must be adequately protected. No fall protection safety monitoring system will be allowed.
 - c. Workers on the face of formwork or reinforcing steel must be protected from falling by personal fall arrest systems, with the use of a positioning device, and/or lanyards.
6. Identify and correct serious ergonomic hazards.
 7. Ensure that ground fault circuit interrupters (GFCI) are used to protect all electrical circuits that are installed for work. All contractors will ensure that employees are protected by the use of a GFCI at all times.
 8. Balfour Beatty Project Managers and Safety Directors serve as points of contact, monitoring safety and health at the site and its progress toward achievement of the Partnership goals.
 9. The Balfour Beatty Team - Superintendents, Construction Managers and Project Managers ensure that weekly Safety Audits are conducted (since this is a multi-employer worksite and all workers are to work together on safety issues). Upon request, the Balfour Beatty Team will review subcontractors daily reports, audits, note any hazards found, and then review the results with all Safety Committee members at the weekly coordination/subcontractor meeting.
 10. Conduct and document weekly jobsite safety meetings/toolbox talks.
 11. Submit monthly accident reports to the Balfour Beatty Safety Committee, including first aid, injury, property damage and near miss reports.
 12. Continually audit the Partnership's effectiveness and recommend improvements.
 13. Ensure that no employees are allowed to work directly below a suspended load except for: employees engaged in the initial connection of steel and employees necessary for hooking or unhooking the load. The following criteria must be met when employees are allowed to work under the load: materials being hoisted shall be rigged to prevent unintentional displacement; hooks with self-closing safety latches or their equivalent shall be used to prevent components from slipping off the hook; all loads shall be rigged by a qualified rigger. Appropriate use of tag lines will be utilized to prevent work below suspended loads.
 14. Require the use of appropriate personal protective equipment. Hardhats are mandatory. Employees exposed to or working with heavy equipment and all

flagmen on site shall wear high-visibility reflective clothing. A 100 percent eye protection and glove program will be implemented.

15. Ensure that all safety signs and warnings will be posted in English and Spanish, as well as any other appropriate languages.
16. Implement a 100 percent Fall Protection Plan for all work performed 6 feet or more above lower surfaces.
17. Implement an effective Heat Illness Prevention Program (Heat Program) to educate workers about the hazards of working outdoors in the heat and steps needed to prevent heat-related illnesses. This Heat Program should utilize tools such as OSHA's Heat Safety Tool Smartphone App and the Employer Guide to Using the Heat Index.

B. Subcontractors will:

1. Appoint a representative to the site Safety Committee responsible for resolving job safety matters and serve as a liaison to the Balfour Beatty Team. Every prime trade contractor will have a person available to participate in the Safety Committee. Participation in this committee will consist of, but will not be limited to, participation in the Balfour Beatty Team safety walkthroughs and monthly Safety Committee meetings.
2. Conduct jobsite safety inspections for those employees under their control. These jobsite safety inspections will be in addition to the daily general inspections. If non-compliant activity or hazards are discovered, immediate correction is required. Documentation of abatement methods and verification must be submitted to the appropriate Balfour Beatty Team Safety Director.
3. Participate in the weekly Safety Committee/subcontractor meetings and safety audits. If non-compliant activity or hazards are discovered, immediate correction is required. Abatement methods and verification must be submitted to the appropriate Balfour Beatty Team Safety Director who will document the correction taken and share this information during the monthly update meetings.
4. Share the results of jobsite inspections with all workers by posting them in the Project office or on the jobsite bulletin board, to ensure all workers are notified of the results.

C. OSHA will:

1. Participate, to the extent resources permit, in the quarterly meeting with Partnership participants, but will not participate in the walk around inspection, except that the verification visits may be scheduled as part of the weekly walk around inspection.
2. Serve as a resource and liaison for Partnership participants and also assist with safety and health training, as resources permit.
3. Give priority to the construction project when technical assistance is needed.
4. Audit the monthly reports/documents and make recommendations for improvements in the meeting of Partnership goals.
5. Conduct inspections in accordance with sections VIII and IX of this Partnership.
6. Conduct the annual Partnership evaluation report in accordance with section VII of this Partnership.

D. Georgia Tech's On-site Consultation Program will:

1. Perform quarterly jobsite inspections.
2. Give priority consideration to requests for services to small contractors who are engaged in work at the Project.

V. SAFETY AND HEALTH MANAGEMENT SYSTEM

The Balfour Beatty Team will use their systems to collect and analyze injury and illness trends (including near-miss incidents) by all contractors performing work at the site. This data will be used as a tool to ensure continual safety and health improvement at the site. The management of this agreement will be accomplished by the Balfour Beatty Team implementing a comprehensive jobsite safety and health management system, which includes:

1. Using the Balfour Beatty Team - Job Hazard Analysis (JHA) and Pre-Task Plan forms, the Balfour Beatty Team will complete a risk assessment prior to exposing any employee to potential safety and health hazards.
2. Working with OSHA, Georgia Tech and Safety Committee members to provide the resources to conduct initial monitoring for ALL toxins, carcinogens, or hazardous substances currently emphasized by OSHA and which present inhalation hazards, such as silica, lead, cadmium, and/or isocyanates. Employee

exposures will be assumed and respiratory protection worn until the results of the initial monitoring studies are received and demonstrate no exposure problems or prior surveys show no hazard exists. The Balfour Beatty Team will endeavor to ensure that no work with these materials will occur, thus preventing any exposure. The Balfour Beatty Team will request periodic evaluation visits by its insurance company's Industrial Hygienist and Georgia Tech.

3. All contractors on-site will perform daily audits. In addition, once each month, a comprehensive audit of the jobsite will be performed. A representative of the subcontractors will be a safety audit participant in the jobsite areas where their employees may be exposed to hazards. Any hazards found during the audits will be corrected promptly. Items identified during the audits will be annotated on a daily log. When hazards cannot be corrected immediately they will be tracked until abatement is completed. Employees exposed to these hazardous conditions will be informed of the hazard and effective interim control measures will be implemented. A record will be kept of all hazards found during the comprehensive site safety audits and the number of hazards corrected as a result of the weekly audits.
4. Implement an effective Fall Protection Plan to include fall protection in all cases where work is being performed 6 feet or more above lower surfaces.
5. Ensure employees receive training as follows:
 - a. Supervisory personnel should possess an OSHA 30-hour card or its equivalent. The Balfour Beatty Team will work with all subcontractors to provide each subcontractor's safety designee with an OSHA 10-hour training, or its equivalent through available on-site training options.
 - b. All employees will receive a site-specific construction safety orientation covering jobsite safety and health issues, procedures related to the work being performed, as well as the requirements outlined in the Partnership Agreement. In addition, employees shall receive training on the content of the risk assessment for operations they will encounter. This may require periodic retraining of employees on the content of the risk assessment as they become relevant due to entering new phases of construction. The Balfour Beatty Team will provide this material to each subcontractor has designated safety representative for completion.
 - c. Safety and health training will be provided to all workers in a language they understand. Bilingual instructors will perform this training. The Balfour Beatty Team will provide a list of instructors to all subcontractors to ensure that all workers are effectively trained.
 - d. Other hazard-specific training will be conducted on an as-needed basis.

- e. Subcontractors can utilize other instructors as long as these instructors can provide a valid certification card showing completion of the OSHA 30-hour course. The Balfour Beatty Team will have primary responsibility for coordinating this training; however, as resources allow Georgia Tech will also provide assistance. The Balfour Beatty Team plans to hold 10-hour Safety Training sessions as needed to help train all personnel as the schedule allows.
6. Each subcontractor with written safety and health management systems must submit them to the Project Construction Team for evaluation. Companies without safety and health management systems may adopt the Balfour Beatty Team's Incident Prevention Plan or develop an adequate safety and health management system with the assistance of Georgia Tech.
7. Ensure the Balfour Beatty Team and/or the affected subcontractors adequately address health-related issues, which arise during the course of the Project, with the assistance of OSHA, as its resources permit, and Georgia Tech. All health-related issues will be discussed monthly during the Partnership meetings.
 - a. An effective Hearing Protection Program, including noise monitoring and engineering controls, where possible, will be implemented by the Balfour Beatty Team Loss Prevention Department.
 - b. An effective environmental monitoring program will be implemented to control airborne hazards, such as silica, and will include personal monitoring, employee training, implementation of engineering controls where possible, and the use of respiratory protection when necessary. Previous site-based data will be considered acceptable.
8. Ensure compliance with the NFPA 70E when working on live electrical equipment, including training and the availability and use of personal protective equipment. A permit system will be implemented whenever working in close proximity to or on live electrical systems to ensure the implementation of appropriate protective measures prior to exposure. The permit form includes requirements for pre-task review and lockout/tagout procedures to be followed.
9. Ensure all equipment capable of causing amputations is adequately guarded.
10. Ensure effective programs are employed, consisting of policies and procedures that comply with OSHA's Process Safety Management (PSM) standards as equipment and processes are brought live and on-line at the Project.
11. Ensure effective programs are employed, consisting of policies and procedures that comply with OSHA's Lockout/Tagout standards, as equipment and processes are brought live and on-line at the Project.

VI. WORKER INVOLVEMENT

The site will establish an employee Safety Committee consisting of one member per subcontractor that will meet on a monthly basis to share the results of jobsite inspections, information concerning accidents and near misses, suggestions for improvement and recommendations for training of the general workforce. Near misses and daily safety audits will be discussed during toolbox talks.

VII. ANNUAL EVALUATION

The Partnership will be evaluated on an annual basis through the use of the Strategic Partnership Annual Evaluation Format as specified in Appendix C of OSHA Instruction CSP 03-02-003, OSHA Strategic Partnership Program for Worker Safety and Health.

The Balfour Beatty Team will be responsible for gathering required participant data to evaluate and track the overall results and success of the Partnership. This data will be shared with OSHA. OSHA will be responsible for writing and submitting the annual evaluation.

VIII. INCENTIVES

Participant benefits from OSHA may include:

1. Maximum penalty reductions for good faith and history, to the extent allowed by the OSHA Field Operations Manual (FOM), OSHA Instruction CPL 02-00-160 (August 2, 2016).
2. In the event that a citation with penalties is issued, the Area Director has the authority to negotiate the amount of an additional penalty reduction as part of the informal conference settlement agreement, which is consistent with OSHA's current policy regarding this matter.
3. Priority consultation service and assistance for small employers working on the construction site from the Georgia Tech Consultation program.
4. An OSHA focused inspection is available where the Partnership participant has an effective safety and health management system fully compliant with 29 CFR Part 1926.20 and 29 CFR Part 1926.21 (For additional details refer to the August 22, 1994, memo signed by then Deputy Assistant Secretary for OSHA James Stanley, which was revised on September 20, 1995).

IX. OSHA VERIFICATION

1. **Verification Enforcement Inspections:** OSHA will conduct the initial verification enforcement inspection no sooner than three months, but within four months after Partnership participants formally enter into this Agreement. During this period, Partnership participants should develop and implement the safety and health management systems required under this Agreement. After this period, OSHA will conduct the verification enforcement inspections annually thereafter. Verification enforcement inspections will be conducted as a focused inspection, per the appropriate OSHA guidelines. Compliance Safety and Health Officers (CSHOs) who are familiar with the Project will do verification enforcement inspections. Employee rights under the Occupational Safety and Health Act (OSH Act) will be afforded. During the verification enforcement inspections, if OSHA personnel identify serious hazards that site management refuses to correct, the scope of the inspection may be expanded.
2. **Complaint/Referral Investigations:** This Partnership provides for the immediate response to each allegation of a safety or health hazard brought to its attention by any person. Upon a finding that an allegation is valid, the employer shall promptly abate the hazard.
3. OSHA agrees that a copy of each non-formal complaint/referral related to the work site and filed with OSHA will be forwarded by fax, or by CSHO, to the Balfour Beatty Team's - Project Management office on-site. In accordance with applicable law, the name of a complainant requesting confidentiality will not be revealed. The Balfour Beatty Team agrees to investigate these complaints, regardless of the employer involved, and provide OSHA with a written response within 5 working days of receiving the non-formal complaint/referral.
4. **Accident Investigations:** Employers engaged in this Partnership recognize that OSHA fully investigates accidents involving a fatality or serious physical harm. If during the course of the investigation OSHA determines that the incident resulted from violations of the OSHA standards, the employer will not be afforded Partnership incentives.

X. WORKER AND EMPLOYER RIGHTS

This Partnership does not preclude employees and/or employers from exercising any right provided under the OSH Act, nor abrogate any responsibility to comply with rules and regulations adopted pursuant to the OSH Act.

XI. TERM OF PARTNERSHIP

It is understood that this Agreement shall be in effect until completion of construction activities at the Project, but in no case longer than three-years. Should any “signatory” stakeholder choose to withdraw prior to project completion, a written notice shall be given stating the reason(s) and providing 30 days notice to the other party(s).

If OSHA chooses to withdraw its participation in the Partnership, the entire Partnership is terminated. Any party may also propose modification or amendment of the Agreement. Changes may be implemented, if all parties are in agreement that they are in the best interest of the Partnership.

XII. THE PROGRAM - OSPP SIGNATURE PAGE

Partnership Signing Date: _____

Jeffery M. Stawowy
Area Director
Occupational Safety & Health
Administration (OSHA)

Ryan Little
HSE Director
Balfour Beatty

Mike Stevens
General Superintendent
Balfour Beatty

Russ Brokelbank
Project Executive
Balfour Beatty

Mike Macon
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Roger Schwerin
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