

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

PART 1 - GENERAL

1.01 CONTRACTOR FULLY RESPONSIBLE FOR SAFETY

- A. The Contractor assumes full and sole responsibility for and shall comply with all laws, regulations, ordinances, and governmental orders pertaining to safety in the performance of this Contract. The Contractor shall conduct all operations under this Contract so as to offer the least possible obstruction and inconvenience to the Port, its tenants, the public, and abutting property owners. The Contractor shall be responsible for employing adequate safety measures and taking all other actions reasonably necessary to protect the life, health, and safety of the public and to protect adjacent and Port-owned property in connection with the performance of the Work.
- B. The Contractor shall have the sole responsibility for the safety, efficiency and adequacy of the Contractor's plant, appliances and methods, and for any damage or injury resulting from their failure, or improper maintenance, use, or operation. The Contractor shall be solely and completely responsible for the conditions of the Project Site, including safety of all persons and property in performance of the Work. This requirement shall apply continuously, and is not limited to normal working hours. Nothing the Port may do, or fail to do, with respect to safety in the performance of the Work shall relieve Contractor of this responsibility.

1.02 REFERENCES

- A. The Contractor shall comply with the provisions found in the Seaport Program's Construction Safety & Health Manual, the Federal Occupational Safety and Health Act of 1970 (OSHA), including all revisions and amendments thereto; the provisions of the Washington Industrial Safety Act of 1973 (WISHA); and the requirements of the following chapters of the Washington Administrative Code:
 - 1. Chapter 296-24 WAC General Safety and Health Standards.
 - 2. Chapter 296-62 WAC Occupational Health Standards.
 - 3. Chapter 296-155 WAC Safety Standards for Construction Work.
- B. In addition, the Contractor shall comply with the following requirements when they are applicable:
 - 1. Chapter 296-44 WAC Safety Standards - Electrical Construction Code.
 - 2. Chapter 296-45 WAC Safety Standards - Electrical Workers.
 - 3. Local Building and Construction Codes.

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

1.03 DEFINITIONS

- A. **PROGRAM SAFETY DIRECTOR (PSD)**
An employee of the Port or designated consultant who is responsible for the day-to-day management of the Port of Seattle's Construction Safety Program.
- B. **FIELD SAFETY MANAGER**
An employee of the Port or designated consultant who conducts and monitors jobsite inspections and verifies Contractor compliance with identified corrective actions.

1.04 RELATED SECTIONS

- A. Document 00700 - General Conditions; Article G-04.14
- B. Document 00800 - Supplemental Conditions; Article SC-04.14
- C. Section 01305 - Pre-Construction Submittals
- D. Section 01330 - Submittals
- E. Section 01500 - Temporary Facilities and Controls
- F. Section 01570 - Traffic Control
- G. Section 02111 – Soil Handling in Contaminated Areas

1.05 SUBMITTALS

- A. The Contractor shall submit the following information as found in paragraph 1.06 A

1.06 CONTRACTOR RESPONSIBILITIES

- A. **SITE SPECIFIC SAFETY PLAN**
 - 1. The Contractor shall submit, for the Port's review and comment, a site-specific Safety Plan in connection with the Work. The submittal shall be made in accordance with Section 01305 Pre-construction Submittals. An outline of the matters to be address in the Safety Plan is set forth in Appendix A to this Division. The Port's review of, or comment on, the Safety Plan shall not, in any way, relieve the Contractor of any responsibility or liability for the Safety Plan. Delay in submitting a written safety plan will not constitute grounds for a contract schedule extension or delay claim.
 - 2. The Port will not issue a Notice To Proceed (NTP), until the Safety Plan has been received and accepted by the Engineer and Program Safety Director.
- B. **GENERAL OBLIGATIONS**

The Contractor is responsible for accident prevention and job site safety. This responsibility cannot be delegated to Subcontractors, suppliers, the Port, or other persons. To this end, the Contractor shall:

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

1. Promote a safe and healthy work environment.
2. Provide an accident prevention program.
3. Promote training programs to improve the skill and competency of all employees in the field of occupational safety and health.
4. Instruct all employees of safe work methods and practices when assigning work.
5. Ensure that employees have and use the proper protective equipment and tools for the job.
6. Ensure that all heavy equipment operators (i.e. cranes, loaders and forklifts) are properly qualified and trained on the specific piece of equipment in use.
7. Plan and execute all work to comply with the stated objectives and safety requirements contained in the contract provisions, Federal, State, local laws and regulations, and industry standards.
8. Cooperate fully with the Port and its Consultants and insurers (if applicable) in connection with all matters pertaining to safety.
9. Maintain an orientation program for new employees that includes at a minimum, a review of:
 - a. Potential hazards in the work areas
 - b. Required personal protective equipment and apparel
 - c. The following prohibited conduct shall result in the immediate removal from the project: gambling, fighting or horseplay, possession of firearms, alcohol or nonprescription drugs, or being under their influence.
 - d. Emergency procedures
10. Perform daily inspections of the project, review and direct immediate action to correct, any substandard safety conditions or practices, including those of any Subcontractor, regardless of classification. The Contractor shall specifically respond in writing to any substandard safety conditions or practices identified by the Port or its designated Representative
11. Hold a minimum of one weekly scheduled safety meetings with its employees. Such meetings shall include a discussion of all observed unsafe work practices or conditions, a review of the accident experience and all corrective actions. The Contractor shall encourage safety suggestions from employees.

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

12. Ensure prompt medical treatment is administered to any injured employee.
13. Undertake a complete investigation of all accidents and implement corrective action to prevent a recurrence.
14. Prepare and implement a site safety plan as set forth in Paragraph 1.06. A hereof.
15. Comply with the Administrative Procedures set forth in Paragraph 1.09 hereof.
16. Provide the Engineer and Program Safety Director with copies of all WISHA citations immediately upon receipt.
17. Ensure that all of its Subcontractors, suppliers, etc., are provided with a copy of this specification and are informed of their obligations regarding safety.

C. CONTRACTOR SAFETY REPRESENTATIVE

1. It is recognized that the responsibility for safety lies with the Contractor. Each Contractor shall appoint an individual (s) responsible for safety on each contract. This individual (s) must be employed in a supervisory position, empowered by their employer to take corrective action; be present on the project while work is being performed; and spend the amount of time necessary to ensure the Contractor's compliance with safety requirements.
2. The Contractor shall submit a resume of the experience and qualifications for the proposed Safety Representative (s) as part of their Safety Plan submittal. The Port will review the resume and a personal interview may be required. The Port may reject anyone it deems "Not Qualified".

D. DEFINITIONS:

1. Fulltime Safety Professional qualifications include:
 - a. Shall have no other duties.
 - b. An individual possessing a minimum of five years progressive safety experience in the discipline to be performed.
 - c. Be knowledgeable about all federal, state, and Port of Seattle regulations applicable to construction safety.

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

- d. Possess “Competent Person” certification in construction safety disciplines related to the work performed. This individual shall also be responsible for identifying “Competent Persons” required by State and Federal safety standards for which they are not certified.
 - e. Have successfully completed the OSHA 40-hour Safety & Health-Training Course (OSHA 500). This requirement may be waived in lieu of a safety and health degree or professional safety certification.
 - f. Training and current certification for CPR and First Aid is preferred.
 - g. Be capable of performing accident investigations and developing a concise report.
 - h. Is proficient in the development and presentation of “tool box” meetings and safety training.
2. Site Safety Officer qualifications include:
- a. An individual assigned to perform safety functions on any contract not requiring a Fulltime Safety Professional. This can be a collateral duty position held by a supervisor.
 - b. Possess a minimum 5 years progressive experience in their trade.
 - c. Be knowledge about all federal, state, and Port of Seattle regulations applicable to safety.
 - d. Have successfully completed the OSHA 10-hour Safety & Health Course.
 - e. Possess “Competent Person” certification in construction safety disciplines related to the work performed. This individual shall also be responsible for identifying “Competent Persons” required by State and Federal safety standards for which they are not certified.
 - f. Be trained in, and possess current certification for CPR and First Aid.
 - g. Possess verifiable training and be capable of performing accident investigations and developing a concise report.
 - h. Possess verifiable training in the development and presentation of “tool box” meetings and safety training.

E. DETERMINATION

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

1. When the number of personnel onsite is under 40 (including Subcontractor employees), the Contractor's safety representative will meet the definition of "Site Safety Officer" as defined above.
2. For Contractors with a total of 40 or more personnel (including Subcontractor employees) on any shift, a Fulltime Safety Professional as define above, shall be required.
3. For each additional 75 employees (including Subcontractors employees) on any shift, a second Fulltime Safety Professional shall be required.
4. At the Port's discretion the requirements for Contractor safety personnel can be reviewed and action taken to decrease or increase the number of individuals.
5. The Contractor Safety Officer/Professional (s) shall be primarily responsible for ensuring Contractor's compliance with the safety requirements provided in this Division. Without limiting the generality of the foregoing, the Contractor Safety Officer/Professional (s) shall:
 - a. Perform daily safety inspections of the Contractor and Subcontractor's project to eliminate unsafe conditions and/or practices, and take the appropriate corrective action when needed.
 - b. Investigate all accidents and implement immediate corrective action. Assist in the preparation of all accident investigations and reporting procedures.
 - c. Ensure meaningful, weekly safety meetings are held for all on-site employees. Provide the job foremen with appropriate training materials to conduct weekly "tool box" safety meetings. Attend safety meetings to evaluate their effectiveness. Maintain documentation of topics discussed and attendees, with copies submitted to the Engineer or included with Contractors Daily Construction Report.
 - d. Be responsible for the control, availability, and use of necessary safety equipment, including personal protective equipment and apparel for the employees.
 - e. Shall attend a monthly safety committee meeting scheduled by the Program Safety Director to discuss and resolve relevant issues related to safety and health on the project (if applicable).
6. Contractor Safety Officer/Professional (s) not performing their duties in accordance with this Document, shall be replaced at the Port's discretion by an individual meeting the requirements of this section. In addition, the Contractor Safety Officer/Professional (s) may not be removed from this

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

contract or replaced without the Port's advanced written approval. The Contractor shall notify the Engineer And Program Safety Director when this person cannot be on duty while work is being performed.

F. ACCIDENT PREVENTION

1. The Contractor has the responsibility to correct hazardous conditions and practices. When more than one Contractor is working within a given job site, any project management personnel shall have the authority to take action to prevent physical harm or significant property damage. If it is determined there is "imminent danger" the Contractor shall:
 - a. Take immediate action to remove workers from the hazard and stabilize or stop work until corrective actions can be implemented to eliminate the hazard.
 - b. Immediately identify and implement corrective action to eliminate the hazard
 - c. Immediately notify the Engineer or others as necessary. The Engineer will notify the proper authorities if the damage cannot be promptly corrected and could develop into an emergency.
 - d. Each worker shall immediately report any condition suspected to be unsafe or unhealthy to their job foreman or safety representative. If there is no resolution of the concern at that level, the employee shall report the concern to the Engineer and the Program Safety Director.

G. ON SITE FIRST AID

1. At least one person shall be available at the work site at all times to render first aid. This person must have a valid certificate in first-aid training from the U.S. Bureau of Mines, the American Red Cross, or equivalent verifiable training program. A minimum ratio of one such qualified person for every 25 employees shall be maintained throughout the project. Additionally, the Contractor shall:
 - a. Post emergency telephone numbers and locations of facilities including, but not limited to, hospitals, physicians, police, fire and emergency medical services, in conspicuous locations at the job site and at all telephone locations.
 - b. Provide in a readily accessible location, first-aid supplies of sufficient size and number to handle common first-aid incidents.
 - c. Identify personnel qualified to render first aid with suitable emblems affixed to the rear of their hard hats for identification.

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

- d. Regularly discuss actions to be taken during emergencies with the Contractor's supervisory personnel and at "tool box" safety meetings.

1.07 PORT OF SEATTLE'S RIGHTS

A. INSPECTIONS/INVESTIGATIONS

1. The Port may, in any reasonable manner, observe and inspect the Contractor's safety and accident prevention procedures for all activities and personnel working at the construction sites, including the Contractor, Subcontractors, visitors, and materials or equipment suppliers. This specifically includes, but is not limited to, the right to attend all safety meetings.
2. The Port shall receive copies of any Construction Safety Inspection Reports (Appendix D) completed by the Contractor or anyone performing work for, on behalf of or under the Contractor.
3. The Port shall receive copies of accident or incident reports completed by the Contractor using the accident investigation report found in the Seaport Program's Construction Safety & Health Manual. This reporting shall include but not limited to those reports prepared pursuant to OSHA and/or WISHA regulations.
4. The Port may, in any reasonable manner, observe or participate in any accident investigation conducted by the Contractor or anyone performing work for, on behalf of or under the Contractor. The Port may also, at its sole discretion and in any reasonable manner, undertake its own accident investigation.

B. CORRECTIVE ACTIONS/STOP-WORK

1. The Port shall have the right to require the Contractor to address unsafe working conditions, including taking corrective action when unsafe working conditions are detected (i.e., lack of good housekeeping practices, use of equipment in obviously poor condition, failure to adhere to statutory construction regulations, etc.).
2. The Port shall have the right to require the removal from the work site of any person, property or equipment that, in the Port's opinion, is deemed unsafe.
3. The Port shall have the right to require the Contractor to immediately cease any action and/or stop the Work (or any portion thereof) in the event that any condition exists that, in the Port's opinion, constitutes an imminent danger or serious harm.

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

4. The Port shall have the right to suspend the Work (or any portion thereof) pending the completion of any accident investigation, whether undertaken by Contractor, the Port or others.
- C. PORT'S ACTION/INACTION DOES NOT RELIEVE CONTRACTOR
1. Nothing the Port may do, or fail to do, with respect to safety in the performance of the Work shall relieve the Contractor of its responsibility to comply strictly with this Division.
- D. PORT'S ACTION/INACTION NO BASIS FOR ADJUSTMENT
1. The Port's exercise of any rights under this Paragraph 1.07 shall not be a basis for any adjustment in the Contract Price.
- E. PORT OF SEATTLE INCLUDES CONSULTANTS
1. As used in Document 00860, the terms "Port of Seattle" and "Port" specifically includes the Port's designated consultants.

1.08 PORT MANDATED SAFETY REQUIREMENTS

- A. Prior to Notice To Proceed (NTP), the Contractor's Project Manager and Safety Representative shall meet with the Engineer and the Program Safety Director to review and discuss the safety requirements of this contract.
- B. SPECIFIC SAFETY PROVISIONS
1. In addition to Federal, State, and Local regulations pertaining to operations and safety, the Contractor shall adhere to the following Port mandated safety requirements:
 - a. Asbestos and Contractor Personnel Asbestos Training: Ensure compliance with Document 00800 - Supplementary Conditions - SC 04.14.
 - b. Entry Into Confined Spaces: Work on this project may require entry into confined spaces as defined by 296-62 WAC Part M. The Contractor shall read and follow the requirements of the Port of Seattle's Confined Space Entry Program, as found in the Seaport Project Safety and Health Manual. The Contractor's Confined Space Entry Program must meet or exceed these requirements.
 1. The Contractor shall include its Confined Space Entry Program as part of the Contractor's Safety Plan submittal. As part of this submittal, the Contractor shall complete the Contractor Confined Space Entry Program Certificate (Appendix B).

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

- c. Electrical - Safe Clearance Procedures
 - 1. Entry Into High Voltage Areas: Work on this project may require entry into manholes or other High Voltage Areas.
 - 2. The Contractor is obligated to identify any High Voltage areas that may be involved in the project and immediately notify the Engineer if they have not been properly identified. Before entry into a High Voltage work area the Contractor shall notify the Engineer .
- d. Fire Prevention: The Contractor shall make the fire prevention measures on-site in accordance with OSHA, WISHA and NFPA standards. OSHA approved safety cans shall be used for flammable and combustible liquids. “NO SMOKING OR OPEN FLAME” signs and fire extinguishers shall be provided where required.
- e. Traffic Control: Ensure compliance with Section 01570 - Traffic Control.
- f. Hazardous Materials: Ensure compliance with Section 01631 - Hazardous Materials Management Planning and Execution.
- g. Open Flame Devices: Prohibit the use of unapproved fuel-burning types of lanterns, torches, flares or other open-flame devices on Port property.
- h. Hot Work Permit: Open Flame Welding and spark producing equipment and tasks require the Contractor to secure a “Hot Work Permit” from the Seattle Fire Department in accordance with document 00800. Article SC-04.11
- i. Liquid propane use and storage: below grade is prohibited.
- j. Excavating & Trenching: Coordination with Engineer shall be required for work performed on the site.

C. TOUR GUIDELINES

- 1. It is imperative that the highest degree of protection is afforded to all individuals touring any Port construction site. The following guidelines have been prepared as general instructions for the organization, direction and safe conduct of such tours:
 - a. Escorted Visitors. While on the job site non-construction personnel or

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

groups shall be accompanied at all times by an authorized representative, the Engineer, the Contractor or other designee familiar with the job site.

- b. Notification and Tours. Personnel tours including technical Inspections need to be cleared through the Engineer, allowing maximum advance notice. The Engineer shall be consulted to coordinate the tour plan, identify specific rules, and to ensure necessary safety precautions are taken.
- c. Safety Enforcement. Before entering a job site, all visitors must be informed regarding the need for careful, orderly conduct and notified of any special hazards that may be encountered.
- d. Personal Protective Equipment: All visitors and tour groups must comply with proper dress, footwear, personal protective equipment or other safety requirements deemed appropriate.

D. SAFETY PERFORMANCE

If the Contractor experiences ongoing safety concerns such as a Lost Time or Recordable incident rate greater than the Bureau of Labor Statistics National Average For Construction, experiences repeated violations of safety & health rules and regulations or "imminent danger" situations, or fails to abate violations in a timely manner, the Contractor shall be subject to the following action at the Ports discretion:

- 1. Removal and replacement of management personnel.
- 2. Submitting a written plan to the Engineer and Program Safety Director detailing what changes will be made to their safety program and a timeline as to when the changes will be implemented.
- 3. Hiring an independent safety consultant who shall audit the Contractor's procedures and operations. The consultant shall compile a plan detailing what changes the Contractor shall implement. This report shall be submitted to the Engineer, Construction Manager, and Program Safety Director.

1.09 CONTRACTOR ADMINISTRATIVE PROCEDURES

A. PROJECT SAFETY INSPECTIONS

- 1. Unsafe conditions or acts having the potential to cause bodily injury or property damage are classified as either "imminent danger" or "serious." In either case, action shall be taken immediately to correct the situation. Any item (s) that cannot be corrected immediately are required to be abated within 48 hours of notification. In the interim, other steps shall be taken to insure the safety of employees or the public.

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

2. The Port's Construction Safety Inspection Report is required for recording any unsafe conditions or acts noted (see Appendix D). This Report shall be used by anyone performing a documented inspection of a project site. The following instructions apply to the use of this form:
 - a. Detailed Information: The information at the top of the form is required and shall be completed by the individual conducting the inspection.
 - b. Item Number: Number each item beginning with 001.
 - c. Print legibly using a ballpoint pen.
 - d. Safety Violation: Provide specific information such as "9 ft section of top rail broken at the Smith Avenue escalator entrance, repair." Give the exact location of the violation.
 - e. Reference: The individual conducting the inspection shall document the proper safety regulations.
 - f. Contractor's Corrective Action: The Contractor shall note the action taken to abate the violation. If an item is abated immediately, it will be so noted on the report.
 - g. Date Corrected: The Contractor, upon abatement shall enter the date in the appropriate column.
 - h. Report Prepared By: The person conducting the inspection shall sign and date the form.
 - i. Submittal Procedure:
 1. A copy of the inspection form shall be submitted to the Contractor's Project Manager or Designated Representative. This will be accomplished by leaving a copy with the Contractor upon completion of the inspection and again through e-mail from the Port's Safety Department. Copies will also be routed to the Engineer via e-mail.
 2. When corrective action has been completed, the Contractor's Project Manager or Designee will sign and date a copy of the form (electronic or hard), forwarding it to the Engineer.
 3. A member of the Engineer's staff will review the form and follow-up to insure that the "Contractor's Corrective Action" has been addressed, initialing each item corrected.
 4. The Engineer will discuss the noted violations at the weekly Contractor progress meeting.

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

- j. The signed copy of the form (electronic or hard) shall be returned to the Program Safety Director within five working days.

B. ACCIDENT INVESTIGATION AND REPORTING PROCEDURES

- 1. All accidents and incidents occurring from operations or work performed under the contract shall be reported, verified, investigated, and analyzed as prescribed by the Seaport Program's Safety & health Manual. Contractors and other individuals involved in the work shall instruct employees and other personnel to follow these procedures if someone is injured.
 - a. Seek medical assistance for anyone injured! The injured person's supervisor will see that first-aid is administered.
 - b. When a serious accident or emergency occurs/exists, secure the incident area tightly and quickly except for rescue and emergency personnel.
 - c. Send individuals as required, to assist or direct any emergency personnel arriving on the site.
 - d. The accident scene shall not be disturbed until released by the Port of Seattle Incident Command or the Program Safety Director, except for circumstances where "imminent danger" exists to those performing any emergency services.
 - e. Immediately notify the Engineer or designee regarding all accidents or hazards resulting in a fatality, any injury for which an ambulance is called, any injury to head or neck, any possible injury to the back or spinal cord, any unconscious employee, possible blindness, amputation of limbs, heart attack or stroke, the hospitalization of one or more people, or property damage estimated in excess of \$1,000
 - f. Washington State Department of Labor and Industries must be notified immediately by the Contractor in the event of an accident involving the death of an employee or serious injury to three or more workers.
 - g. Employees must report all injuries or occupational-related illnesses as soon as possible to their employer or immediate supervisor.
 - h. A detailed written report, identifying causes and recommending corrective action, must be submitted to the Engineer and Program Safety Director within 24 hours. No supervisor may decline to accept a report of an injury from a subordinate.
 - i. Report all accident exposures and near miss incidents that occur on the job site. These records are to be maintained and submitted to the

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

Engineer or other designated authority upon request and shall include but not be limited to:

1. First-aid injuries not reported on the OSHA No. 300 Form.
 2. The Contractor's OSHA 300 Form.
- j. The above information shall be provided only to authorized personnel including the Engineer and the Program Safety Director.
- k. All questions from the media regarding any incident occurring on site shall be referred to the Port's Public Affairs Manager via the Engineer.

END OF DOCUMENT

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

**APPENDIX A
Sample Contractor's Safety Plan**

The Contractor is responsible for reviewing the requirements found and referenced in this Document, the contract, the Seaport Program's Construction Safety & Health Manual as a minimum, and incorporating any additional specific or unique safety requirements into their written plan. The Contractor's Safety Plan shall include but not be limited to the following guidelines:

A. GENERAL PROVISIONS

1. **Compliance:** Provisions for accident investigations and reporting, corrective action and disciplinary action procedures.
2. **Job Safety Analysis (JSA):** The Contractor shall complete detailed, written Job Safety Analyses for the work to be performed, identifying hazards that may exist or be created, outline the equipment to be used, and what procedures and/or safety equipment will be used to eliminate or reduce those hazards. The Contractor shall use the form provided in the Seaport Project's Safety & Health Manual.
3. **Medical Treatment:** Provide medical treatment in compliance with Federal, State and local requirements. Names of individuals CPR and First Aid trained, emergency procedures including pre-determined sites for assembly and measures for accounting of employees shall be included. Emergency numbers shall be posted at the given work area(s):

911	Fire or Ambulance from a non-Port phone
9911	Police from a Port phone
(206) 386-1400	Fire
(206) 625-5011	Police

3. **WISHA / OSHA Requirements and Personal Protection:** Safety and health provisions for providing adequate lighting, ventilation, noise control, and housekeeping. a written personal protective equipment assessment shall be included.
4. **Personnel Instruction:** The Contractor must identify the greatest number of employees to be working at any one time during peak construction periods, the company policies for initial safety indoctrination of all employees, and company plans for continued safety education for all employees, including weekly safety meetings.
5. **Responsibilities:** Acknowledgment that the Contractor is totally responsible for compliance with OSHA, WISHA, FAA, Port or other applicable rules and orders. Additionally, the plan will require a place of employment that is free of unsanitary or hazardous conditions that would harm an employee's health or safety.

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

6. **Safety Inspections:** Detailed information concerning how safety inspections will be conducted, their frequency, and their documentation.
7. **Safety Personnel:** State the name of the Contractor's Safety Representative(s), their experience and qualifications. Indicate their authority to take the appropriate measures to eliminate hazards or stop work until hazardous conditions are corrected.
8. **Safety Requirements, Electrical:** Testing, inspection and repair of electrical equipment, Assured Ground or GF CI Program, lock-out/tag-out procedures, how existing circuits will be located and the installation of electrical circuits in accordance with the National Electric Code or Port Mandated Requirements.
9. **Safety Requirements, Equipment:** Operation, inspection, and maintenance for trucks and heavy equipment such as backhoes, dozers, and motor graders.
10. **Safety Requirements, Ladders:** Types of ladders for specific uses and their training requirements.
11. **Site Layout:** A layout drawing of the site indicating access roads, fire and ambulance lanes, location of first aid stations, location of required alarm systems, location of offices, parking for private vehicles and equipment, and storage of all flammable and/or combustible liquids, gases, or other hazardous materials.
12. **Storage:** Requirements for storage of flammable and combustible liquids or gases.
13. **Field Sanitation:** Provisions for toilet and hand washing facilities, including the frequency at which they will be cleaned and maintained.

B. SPECIAL PROVISIONS

Depending on the type of construction, additional items must be incorporated into the Contractor's Safety Plan.

1. **Confined Space Entry:** Procedures for confined space entry and work operations in and around confined spaces as well as emergency measures. These procedures must meet or exceed the Port of Seattle requirements found in the Seaport Program's Safety & Health Manual.
2. **Steel Erection:** These requirements shall meet or exceed the guidelines of 29 CFR 1926 Subpart R Appendix A and shall include: pre-planning, hoisting operations, fall protection procedures, overhead protection and Site-Specific Erection Plan.
3. **Cranes:** Use of cranes or derricks and the testing and inspection thereof, including hooks, latches, wire rope, boom stops, load tables, warning devices, fire extinguishers, crane operation signals.

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

4. **Excavations:** Excavation plans must indicate sloping, inspections, shoring, barricading, excavation access, and excavated material storage.
5. **Fall Protection:** How 100% protection will be maintained, identify the use of personal fall arrest equipment, fall protection systems, and fall protection work plans.
6. **Formwork:** Submittal of formwork and falsework drawings for review and approval to the Engineer.
7. **Hazard Communication Program:** Hazard Communication Program, including MSDS, their location, Master List Of Chemicals, Personal Protective Equipment, Training, and Labeling.
8. **Interruption of Fire/Security Systems:** Plans shall include measures and/or procedures to provide interim fire and security protection to facilities or areas affected by interruptions. These include automatic detection devices and alarms, automatic sprinkler systems, fire pumps, fire hydrants, applicable water supplies and reservoirs.
9. **Lock-out/Tag-out:** Procedures for lock-out/tag-out of energy sources during work operations.
10. **Scaffolding:** Planking, guardrails, toe boards, anchor points, fall protection, access points, and inspections of.
11. **Welding Protection:** Including Hot Work Permits, shields, fire extinguishers, ventilation, PPE, and fire watches.
12. **Work Adjacent To Occupied Spaces:** Procedures for ensuring occupants of spaces adjoining, above and below construction areas will be protected from hazards created by construction, including but not limited to, falling derbies, equipment noise, and penetration of partitions, ceilings, and floors.
13. **Competent Persons:** Where regulatory requirements (WISHA) specify the use of Competent Persons, the Contractor shall submit in writing the names of those persons and their area of competency.
14. **Energized Electrical Work Plan:** Submit detailed procedures for working on and guarding of energized equipment, baggage handling systems, or conducting system outages.
15. **Seaport Safety:** Contractors shall submit a safety plan complying with all Federal, State, Corp of Engineers, Port, and Coast Guard rules applicable to this type of construction
16. **Health Considerations:** Refer to Section 02111 – Soil Handling in Contaminated Areas.

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

Document 00860 - Safety Management

APPENDIX B

CONTRACTOR CONFINED SPACE ENTRY PROGRAM CERTIFICATE

I hereby certify that the attached confined space entry program meets or exceeds the requirements of WISHA standards WAC 296-62-14503 and the Port Of Seattle's Confined Space Entry Program.

My employees will use the Port of Seattle (POS) confined space entry permit(s). They will record the name of the POS Contractor contact person on the permit and complete all other sections of the permit that are appropriate for the confined space being entered.

My employees will be informed that they must coordinate their confined space entry procedures with other Contractors and POS employees working in or around the confined space.

My employees, who will be acting as authorized entrants, attendants (hole watches), entry supervisors, and air testers, have been trained in accordance with the WISHA procedures and will be made aware of all of the POS procedures for entering confined spaces.

After the confined space entry project is complete my employees will make the Engineer aware of any new hazards confronted or created during entry operations.

A copy of finalized permit with all attachments will be provided to the Engineer at the end of each project.

Contractor's Name: _____

Contractor's Signature: _____

Company Name: _____ Date: _____

Port of Seattle Contact Name: _____

Port of Seattle Contact Signature: _____

Job Title: _____ Date: _____

Appendix C

Construction Safety Program Organization Chart



