



**FLATIRON/DRAGADOS, LLC**  
**Harbor Bridge Replacement Project**

## **SAFETY PROGRAM**

### **SITE SPECIFIC SAFETY ORIENTATION**

#### **US 181 HARBOR BRIDGE REPLACEMENT PROJECT**

**STOP WORK AUTHORITY – YOU ARE AUTHORIZED TO STOP WORK FOR ANY ACT THAT MAY BE DEEMED UNSAFE WITHOUT FEAR OF RETROBUTION!**

**Zero Tolerance – Violation of below requirements may result in permanent removal of an employee or contractor from the Harbor Bridge Project.**

- **General Rules: No Exceptions**
  - No fighting
  - No horseplay
  - No drug, alcohol use, or guns on work site
- **DRA's – Daily Risk Assessment – Conducted Each Day**
  - JHA, DRA, SOP are to be available for review at any time
  - **New arrival personnel must be greeted by work crew member before entering the work zone.**
  - You must read, understand, and sign the document prior to any work site entry
  - Safety Hazard Assessment Documents – Shall be turned in weekly by **8 am Monday mornings**
  - When conditions or hazards change, a new assessment is required
- **Stretch and Flex**
  - Stretch & Flex exercises will be **led daily** by a crew Supervisor immediately following individual crew JHA/JSA or DRA documented work hazard assessment.
  - Stretch & Flex exercises help to minimize soft tissue injuries such as, muscles & ligaments.
- **Tool Box Talks – Conducted Each Friday morning**
  - Current week activity – turn in document by **8 am Monday mornings**
- **PPE – Personal Protection Equipment – Worn from Gate to Gate**
  - Hard Hat – A Site Specific Safety Decal is a mandated requirement
  - Safety Vest – Class 3- High Visibility with 4" sleeve
  - Safety Glasses - Z 87 Rated
  - Work Gloves – 100% of time during work schedule
  - Leather Style Work Boots – Ankle, Lace Up, or Pull On Required
    - 1. Steel Toe Boots with **Puncture Resistant Soles**



## SAFETY PROGRAM

- Face Shield – Required when sparks are created by cutting or grinding
- Leather Chaps w/ Quickie Saw or Shinn Guards – Task Specific
- **No tennis shoes, tank tops, sleeveless T-shirts, or shorts**
- No owner, subcontractor, delivery vendor, developer or other personnel are exempt from wearing PPE..... **NO EXCEPTIONS!**
- **No Walking Under Elevated Loads**
  - Tag lines “SHALL” be utilized for movement and stabilization of materials
- **Fall Protection**
  - 100% at 6ft. and above – ABSOLUTELY NO EXCEPTIONS!
  - Inspected before each use – Only Double Pelican Hook Lanyard Permitted
  - Documented Inspection 1st **Work Day of Each Month** – sign off on yellow tag
- **Yellow Tag Items - documented inspection on first work day of every month (Give Illustration here)**
  - Ladders - ALL, including job made
  - Fire extinguishers
  - Fall protection – Lanyards & Harness
- **Extension Ladders**
  - Secured at top and bottom, 3ft minimum at exposed landing
  - Extension ladders shall not be separated at any time during construction
  - Secure all ladders at Top and Bottom and protect from impalement if impalement when applicable
- **Step ladders**
  - No standing/working on top two steps
- **Scaffolds**
  - Fall protection
  - Mud sills
  - Green tag - Yellow tag - Red tag
  - Climbing “X” braces
  - Toe boards
- **Mobile Scaffolds**
  - 6 ft. rule - tie off or guard rail system
- **Ariel Lifts and Scissor Lifts**
  - Fall protection required
  - Proper anchor point
  - Manufacturer Load Limit maintained
  - Training Certs Required
- **Seat Belts**



## **SAFETY PROGRAM**

- Engineered by Manufacturer – shall be worn at all times
- Personal or company vehicles shall not exceed engineered occupancy
- **Trailers shall not exceed rated weight capacity**
- **No Riding on Equipment** or in the back of any open bed trucks
- **Material and Equipment**
  - Loads shall be **secured** during transportation
- **Fire protection**
  - Fire extinguishers positioned @ 50ft. Size is task specific
  - Welding, cutting, grinding – fire extinguishers shall be in immediate work area
  - Hot Work Permit (when required) - **Issued by Safety Department**
- **Power Cords - Tool Cords – Equipment Cords**
  - No knots or loops, ground lug missing, insulation/wiring exposed
  - GFCI's shall be utilized in all applications – Internal or External
  - Color Coded - Monthly
- **Trench & Excavation**
  - Must use open excavation warning signage
  - Warning Barriers shall be properly maintained or repaired
  - Atmosphere must be monitored at every 4 ft. prior to entry and at every 4 ft. thereafter
  - Proper trench box safety pins - no nails, screws or bolts, etc.
  - Trench box & certification required at 5ft depth & greater
  - Proper Compliance for Spoil and Benching
  - Competent person on site with proper certification(s)
  - Daily Inspection Document readily available for inspection
  - Ladder Compliance- Positioned at 25 ft. for access/egress for depths of 4 ft. or greater
- **HAZ-COM**
  - All containers must be labeled and readable
  - SDS shall be readily available, or in job site office trailer
  - Over 1 gallon – If seal has been broken on container a retention berm or comparable shall be built for containment and proper storage.
- **Accidents, Incidents & Near Misses**
  - Report incident immediately to
    1. Foreman
    2. Safety Supervisor
    3. Superintendent
    4. Project Manager
  - Documented report by the Supervisor/Foreman shall follow within that immediate 24 hour period



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- Investigation will be documented by the Safety Supervisor
- Superintendent/Foreman -Take multiple pictures for recordkeeping
- Superintendent/Foreman -Document Witness Statements
- Verify JHA/DRA Documents for compliance
- **CPR/First Aid Certified**
  - Superintendent and/or foreman
  - At least 1 certified member per work team
  - At least 1 first aid kit shall be accessible onsite, i.e.: vehicle, job box, job trailer
- **Contaminant Spill or Leaks**
  - Stop equipment immediately, contain and prevent liquid from spreading
  - Report immediately to Safety Manager
  - Shall have at least 1 spill kit on each jobsite
  - Contents shall be disposed legally
- **Housekeeping**
  - Designated area for trash
  - Debris shall be picked up **at end of each shift** prior to site departure
  - All crews are responsible for their own trash and debris
  - All nails shall be removed from boards. No protruding nails may exist for impalement hazards
- **Drinking Water**
  - Bottled water will be required at work site
  - Trash disposal shall be made available
  - In areas when using individual water bottles, do not share and leave manufacturer labeled on bottle.
  - **Use designated Recycle Container for discarded plastic waste**
- **Muster Point** – Flatiron/Dragados, LLC job trailer, lay down yard, or other areas may be “deemed” such in emergency situations:
  - Fire
  - Tornado
  - Hurricane
  - Hail storm
  - Lightning
    1. 50 miles – crew receives verbal warning
    2. 30 miles – crew vacate work area and into vehicles
    3. 15 miles – crew meets at muster point and await for further instructions
    4. You may return to work once the storm has passed and the last lightning strike was observed 35 minutes prior



## SAFETY PROGRAM

- **Crane Activity**
  - Operator and Rigger shall have **dedicated channel** for communication
  - Operator and Rigger shall first discuss lift activity with Flatiron/Dragados, LLC Safety Supervisor **prior to any type lift made**
  - Operator and Rigger shall provide proof of current certification
  - Critical Lifts require a documented and approved pick plan
  - Swing Radius defined, secured, and barricaded
  - Outrigger Pads shall be used for level, safe operation of equipment at all times
- **Speed**
  - 10 mph – “Share The Path”
  - State, County or Posted speed limits shall be adhered to on all worksite paved or graveled roadways
- **Vehicle Lights** on at all times while in motion or at work place environment
- **Parking – Back In parking only.** In the event we should have to evacuate during an emergency, we would not have to back out to leave. **(30% of all accidents are caused during backing)**
- **Lock Out/Tag Out (LOTO)**
  - Notify all affected employees that a lock-out /tag-out system is going to be utilized and the reason explained
  - Attach a “Danger – Do Not Operate” tag to the equipment operations device. This tag must be dated and have the name of the authorized person applying the lock. Tags are not to be removed unless authorized by the person who installed the LOTO Tag
  - After work is completed and equipment is ready for normal operation, check areas to be certain that no one is exposed and inform affected personnel that the equipment / system will be energized
  - Equipment shall have ”Walk Around” conducted for operation evaluation and regulatory compliance
- **Secured Areas - Port of Corpus Christi**
  - No access will be granted without a TWIC card
  - TWIC Card holder will serve as an ESCORT when required. Stay within “talking” distance of each other when escorted
  - Personnel shall retain a Valid Picture ID on person at all times
  - A **TWIC Card** holder will be designated by a **TWIC** decal on his/her hard hat
- **Working Over or Near Water – Emergency Planning**
  - Shall have Rescue Team with Boat in place prior to work beginning
  - Warning barrier shall be in place
  - Do not cross beyond 30 ft. barrier



## SAFETY PROGRAM

- Shall wear compliance Life Preserver Vest or have Life Preserver Ring/Rope readily accessible. Vest shall be zipped and clipped
- **Drilling Operations**
  - Fall Protection -Drill Shaft Barrier shall be installed/utilized when drilling
  - Lanyard, Harness, and proper Anchor Point shall be utilized when deemed necessary
  - Drill Shaft Hole – Shall be covered, **secured**, and painted with wording “hole” until hole is completely backfilled
  - Outrigger Pads with Proper Cribbing shall be placed under all outrigger foot pads for level and safe operation of equipment
  - Overhead Power Signs shall be placed in immediate area when imminent danger exists within 20 ft. of an overhead power line
- **Railroad**
  - Stay clear of Railroad Tracks when working. Do not stray onto RR Tracks
  - Stay 50 ft. from center line of tracks at all times
  - Railroad Flagman shall be required when working within 25 ft. of track
- **Fuel Containers**
  - No plastic containers. Plastic fuel containers create static electricity & shall be removed from the Harbor Bridge Project work site immediately
  - Fuel containers shall be of approved metal type. Containment may be kept in a fixed berm type area or of double walled protection
  - Proper labeling and readable for HAZ COM compliance
- **Training Documents**
  - Training Documents may be requested by Safety Personnel on specific equipment as proof of training and that operator status is current for Regulatory Compliance
- **Media Relations and Communications Official**
  - News Reporter
  - Radio
  - Television
  - General Public
  - **No person shall discuss any Harbor Bridge Project activity or information with any entity described above. All Harbor Bridge Project Information and Communication shall be directed to Public Information Coordinator**
- **Talking or Texting**
  - Talking or Texting while driving is strictly prohibited at all times
  - Hands Free is the only means excepted
  - Texting citations are double in costs vs Talking citations
  - Corpus Christi has a Texas a law that prohibits such;



## **SAFETY PROGRAM**

Talking - \$500.00 Fine

Texting - \$1000.00 Fine

- **Language**
  - English is the primary Language spoken on the Harbor Bridge Project
  - Translators are designated by a hard hat decal “Translator”
- **OSHA Compliance Safety and Health Official Visit - (CSHO)**
  - OSHA Official – Federal Badge & Photo Identification Presented
  - Supervisor Contact Safety Department Manager, Marvin Wittman Immediately
  - OSHA Official and Safety Manager Proceed with Project Observation
  - Photos – OSHA Official and Safety Department Manager
  - OSHA Official - Official Closing Remarks and Conference
    - Safety Department Manager
    - Project Manager
    - Superintendent and/or Foreman