

# US 181 HARBOR BRIDGE PROJECT

## Monthly Status Report



Toll Free: 1.877.227.4144 • Public Information: [publicinformation@harborbridgeproject.com](mailto:publicinformation@harborbridgeproject.com)

December 2020

### Harbor Bridge Project (HBP): 2020 Milestones Part 1

**North and South Approach** - From a spectator standpoint, the HBP Approach team achieved the most significant milestone in 2020 with the Gantry Crane (GC) operation finalizing span erection on the North Approach (NA), followed by the massive transport operation of relocating the 1,400-ton crane to the South Approach (SA). After three months of disassembly, transport, and reassembly, the GC closed out 2020 by completing the erection of three SA, Superstructure spans. Not to be overshadowed by the GC operation, the Approach Substructure crews had a significant impact on the landscape of the SA with an impressive lineup of column construction stretching from the ship channel to IH 37. Outstanding SA numbers include 1,172 of 1,210 precast piles driven to provide the foundation for 57 of 59 completed footings, 249 of 285 column lifts (~14' sections), and 32 of 57 bent pier caps to end 2020 with 32 of 59 completed Substructure piers. Overall Approach completion for 2020 year-end: NA - Substructure 90%, Superstructure 81%; SA - Substructure 80%, Superstructure 21%.

**Pre Cast Yard (PCY)** - The PCY in Robstown is the true heartbeat of the Approaches operation and stands out for perfecting the 170-year concrete mix that makes up the HBP Superstructure. With over 120 employees, recognition is well-deserved for a stellar safety record and significant segment production. In 2020, the casting operation produced 614 of the 110-ton, Approach segments, 507 of these were transported to the North and South Approach job sites for span erection. Only 46 of the 1,869 Approach segments remain to be cast, or 97% completion achieved by year-end. The PCY also successfully mobilized a new concrete batch plant (CBP). The high-tech stationary CBP is designed for large output with efficiency and consistency to meet extreme concrete quality specifications.

**Roadworks and Structures (R&S)** - Unquestionably R&S construction for the HBP creates the most significant impact to motorists utilizing SH 286 (Crosstown Expressway), IH 37, and US 181. The intricate planning to build or reconstruct 6.44 miles of major roadways, including 14 new bridges, four long direct connectors, two loop-ramps, abutment walls, retaining walls, sidewalks, a shared-use path, ramps, and underlying earthworks, CAN-NOT be understated. Our crews strive to ease construction-related detour frustration by continuing to move traffic during the complex phase of building a new interchange comparable to those in major cities. Structure and concrete crews completed a tremendous amount of pile-driving, footings, columns, caps, beam-setting, and pouring deck spans for Project-related structures, all while mitigating noise and safety hazards to the public. In 2020, Roadworks successfully opened the following new permanent roadways, which also serve as alternate routes during ongoing construction. Northbound SH 286 Comanche Street exit ramp \* Martin Luther King Drive or westbound frontage road to IH 37 \* Southbound US 181 2-way frontage road \* Northbound US 181 frontage road \* Northbound IH 37 Port Avenue exit ramp.

**Look for Part II to follow soon featuring the 2020 year-end accomplishments of our Operations & Maintenance, Utilities, and Environmental Departments.**



### Solomon Coles High School Faculty and Students Enjoy a Holiday Lunch

We are pleased to give back and support neighborhood groups who are directly impacted by the HBP. In December, we treated faculty and students at nearby Solomon Coles High School to a holiday lunch. Despite the pandemic hindering our community outreach events, we continue to enjoy opportunities to engage and educate Project stakeholders.



**HARBOR BRIDGE**  
Corpus Christi, Texas