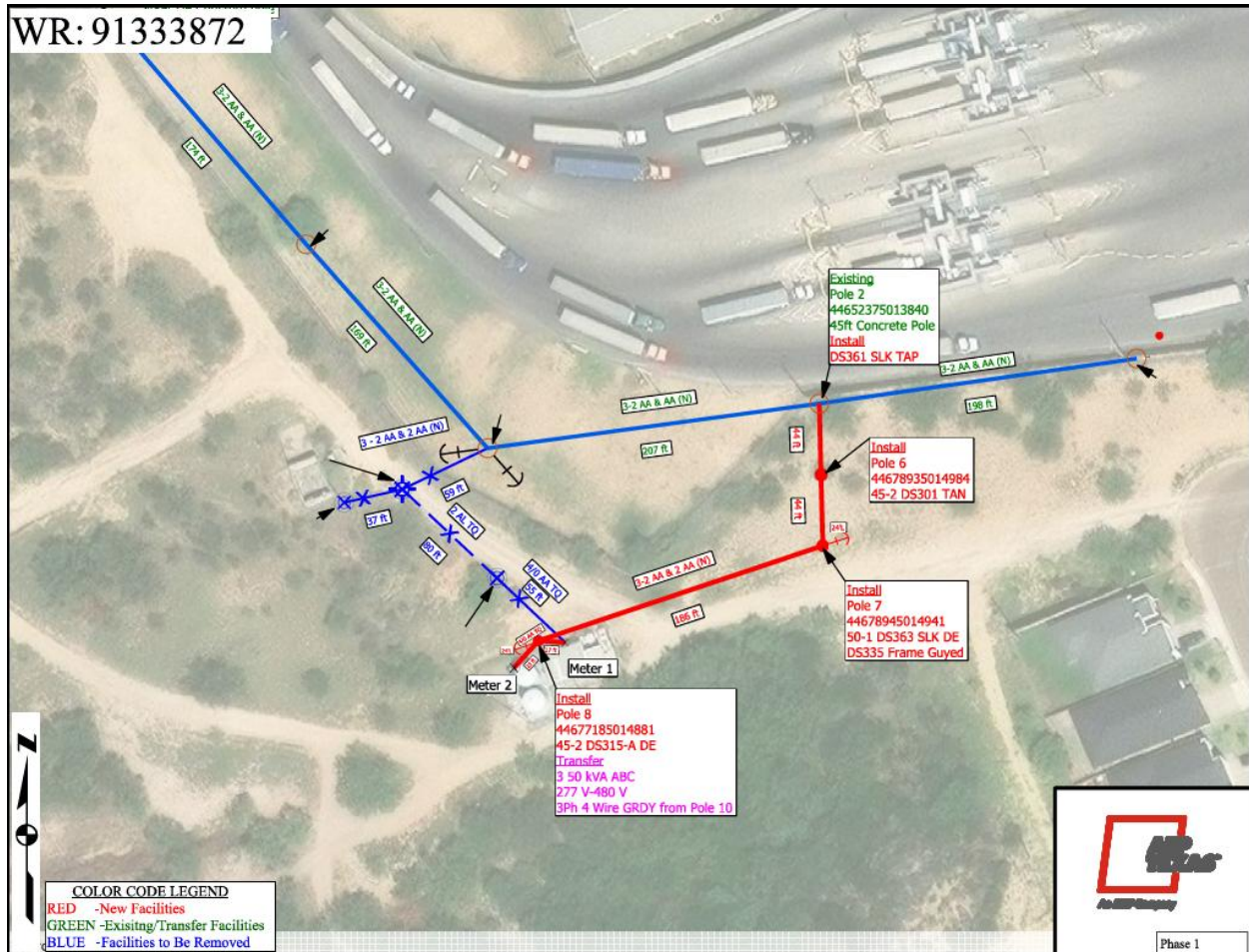
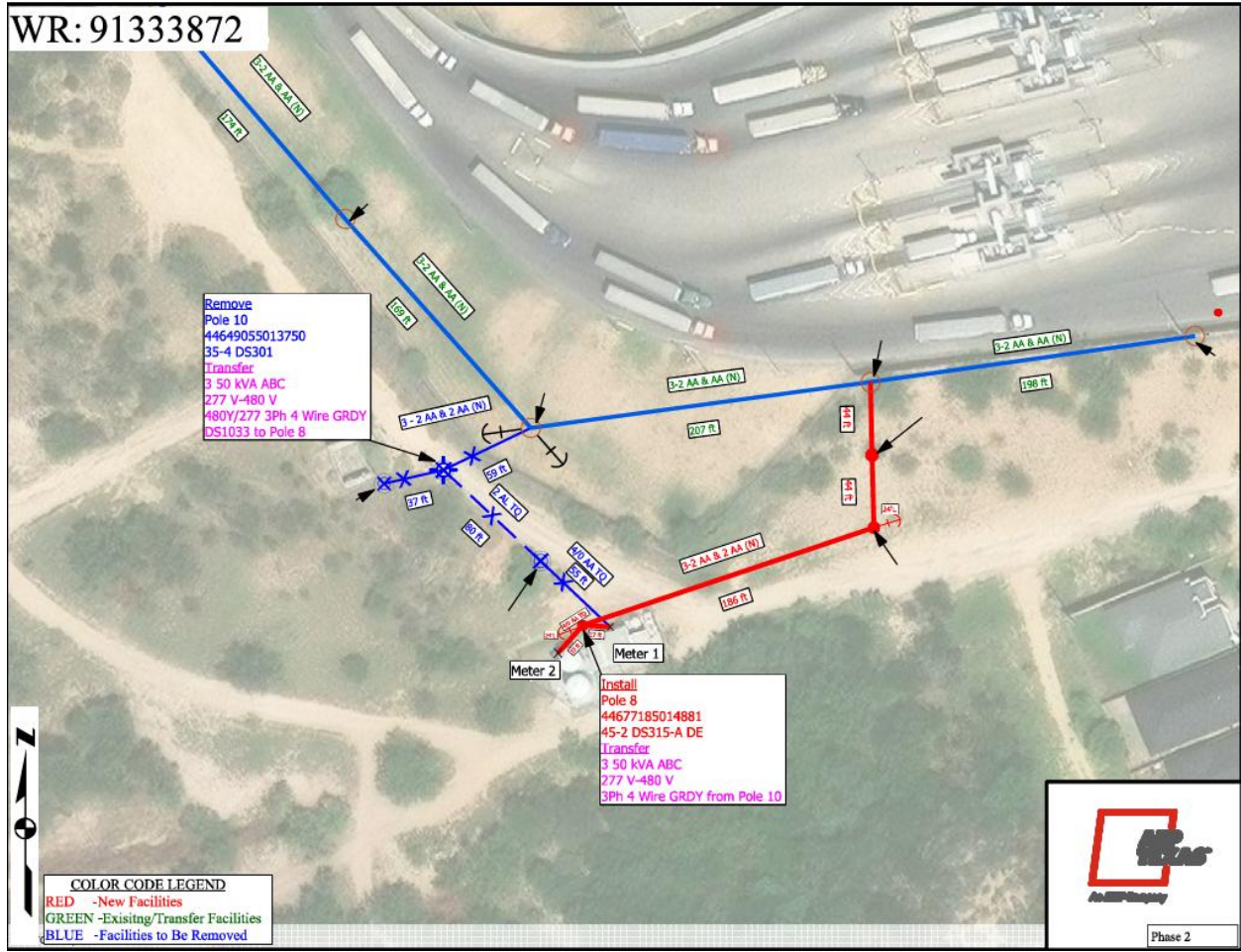


# Phases of Construction for World Trade Bridge Expansion Project (Relocation of services for Irrigation System)



## Phase 1

The AEP construction crew will begin by digging and putting up the poles 6, 7, and 8 as labeled in the design. Once the poles are up, they will install the framing and other equipment on the poles. Afterwards, the crew will begin connecting the cables to the corresponding poles starting from Pole 2 then Pole 6, Pole 7, and finally Pole 8. 4 separate electrical conductors will be installed throughout the route from Pole 2 to Pole 8. Before finalizing the installation of the cables, the crew will install the guy wires that will be used to support the structures at Pole 7 and Pole 8, both 24ft from the base of the two poles as indicated in the design. Finally, the crew will finish installing the cables by tightening the cables at the proper tension between Pole 7 to Pole 8.



## Phase 2

The crew will transfer the 3 pot bank transformers that are currently at Pole 10 over to Pole 8. The outage for the transformer relocation will only affect the Embarcadero Irrigation system and not the main electrical distribution within the POE. The outage should only take 2-3 hours if everything is ready, such as the meters and the electricians being on standby to make the connections. All this construction will be done on the outside of the POE.



The construction crew will then begin removing the poles and de-energizing the old line. The crew will begin by disconnecting the electrical conductors at Pole 3. The crew will only need access inside the POE to remove the electrical conductors from Pole 3 which shouldn't take more than half an hour to do. Afterwards, the rest of the deconstruction will be outside of the POE. The crew will be removing the electrical conductors from Pole 10, Pole 11, and Pole 9. Once all the electrical conductors are removed, the crew will remove the Poles 10, 11, 9. The construction will most likely be done outside of operating hours as to not cause as much disruption to operations. As far as we are aware, the normal operating hours are from 8am – 12am Monday through Friday, and closed Saturday and Sunday. We can further coordinate a more optimal time and day to do construction when we are near the day of construction.