



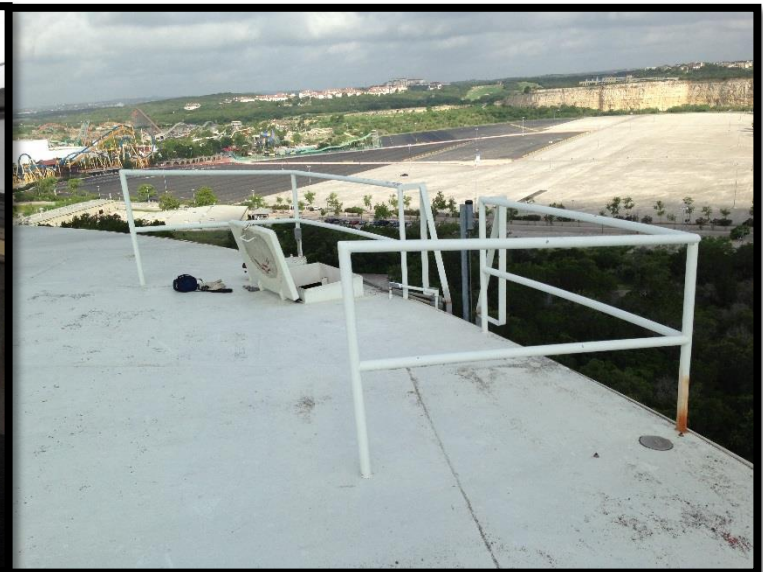
I.H. 10 Ground Storage Tank Rehabilitation and Painting Project

August 24, 2016



Specifications – Attachment A – Statement of Bidder’s Experience

- Summarized for Prime Contractor
 - NIICAP AS-1 F or SSPC-QP1 Certified
 - Experience with 100% solids coatings
 - Other Requirements
- Don’t forget your subcontractor’s experience
- See additional requirements in Special Conditions, Item SC-2 “Prime Contractor Minimum Experience”



Supplemental Conditions

- Article VIII – Contract Completion Time

| Contractual Milestone No. | Contractual Milestone Description and Requirements | From | Duration | Liquidated Damages |
|---------------------------|--|------------------------|-----------------------------------|--------------------|
| 1 | All scopes of work pertaining to the security fence and ground storage tank, pump station piping, site piping, hydropneumatic tank, electrical, instrumentation, and all other work required to provide a complete and operation tank and pump station with no further delays or shutdowns of the water system. The tank must have receipt of a passing bacteriological and Volatile Organic Compound (VOC) samples of water in the tank after disinfection and filling to be considered substantially complete. | NTP | 110 Calendar Days (March 1, 2017) | \$2,250.00 per day |
| 2 | All other items of work must be completed prior to Final Completion. | Substantial Completion | 60 Calendar Days | \$2,250.00 per day |

01025 “Measurement and Payment”

- Supplemental Items for:
 - Interior Grindings
 - Seam Welding
 - Pit Welding
 - Pit Filling
 - Additional Work
 - Additional Tank Ventilation/Dehumidification
 - Tank Floor Plate Replacement
 - Interior Caulking and Sealing
 - Flexible Base
 - Vault Piping



01030 “Special Procedures”

B. Work shall be completed within the specified time for these items:

| Description | Time |
|-------------------------------|--|
| Tank and Pumps out of service | Tank and Pumps may be out of service for a period of no more than four months, between November 1 st – March 1 st . Contractor shall limit the outage to not more than 90 calendar days. |



05701 “Steel Water Tank Repair”

- Welding
- Structural Steel Materials
- Corrosion Repair
- Shell Manways
- Ladders
- Taps, Inlets and Outlets
- Hatches
- Vents
- Etc.



09805 “Coatings for Water Storage Tanks”

- Tank Interior Coating System
 - SSPC SP-10 Near-White Metal Blast Cleaning
 - 100% Solids Elastomeric Polyurethane
- Tank Exterior Coating System
 - SSPC SP-6 – Commercial Blast Cleaning
 - 2-Coats Epoxy + 1-Coat Fluoropolymer Urethane
- Piping/Pumps/Motors & Valves
 - SSPC SP-6 – Commercial Blast Cleaning + SSPC SP-3 Hand-Tool Cleaning
 - 1-Coat Epoxy Mastic + 1-Coat Epoxy + 1-Coat Polyurethane
- Resident Representation will be provided by FNI, using the Services of Certified Inspections/John Palmore

13283 “Removing, Handling and Disposing of Coatings and Spent Abrasives”

- Contractor is responsible for the cost of the removal, handling and transporting of the combined hazardous and non-hazardous paint and spent abrasive/cleaning material to a landfill and any disposal costs at that facility.
- Hazardous Materials Abatement: Tests have indicated that existing coating systems on the tank(s) contain lead, cadmium or chromium at levels that may require abatement. Contractor shall assume existing coating systems to be removed require abatement for heavy metals unless based on the Contractor’s experience and/or analytical testing conducted by the Contractor prior to construction indicate otherwise.

QUESTIONS?



Charles Kucherka, P.E.
Freese and Nichols, Inc.
charles.kucherka@freese.com
Phone: 210-298-3814