

Fire Stations 1-5

Construction Cost Cutting Analysis

- Evaluated electric cord reels (Station #1).
- Evaluated (6) Electric bollards (Station #1).
- Evaluated replacement of lobby windows (Station #1).
- Evaluated traffic signal controls (Station #1).
- Eliminate security door in main hallway (Station #1) Estimate \$2,972.
- Removed Fire Marshal renovation (Station #1) Estimate \$61,085.
- Evaluated masonry core fill insulation (Station #2).
- Considered revising Station #2 doors to accommodate heights (e.g. bi-fold or rolling doors) (Station #2).
- Evaluated cost saving options for raising of overhead doors at Station #2. Replace existing roof Station 2 in lieu of modifying existing roof structure for new overhead door height (Station #2).
- Adjusted Station #2 layout to eliminate mezzanine (Station #2) Estimate \$30,480.
- Adjusted Station #2 layout to eliminate drive thru bay and reduce size of addition. Redesigned to eliminate 1st lane drive thru bay and reduce building area from 6,753 s.f. down to 6,184 s.f. (Station #2) Estimate \$63,500.
- Living quarters at DPS (Station #2) savings \$100,000.
- Evaluated the removal of the underground storm detention system at Station #4 and providing a pond (Station #4).
- Evaluation of the proposed storm sewer and retention basin for cost savings (Station #4).
- Checked into relocation of existing traffic signal equipment (Station #4).
- Evaluated grade adjustments to eliminate/minimize poured & landscaping retaining walls. Poured retaining walls verses segmental block retaining wall system (Station #4).
- Evaluated providing 8" concrete in lieu of asphalt (Station #4).
- Evaluated possible thickened slab verses poured footing for interior bearing walls (Station #4).
- Removed LED can light in fitness room (Station #4).
- Removed floor drain in single occupancy bath room (Station #4).
- Eliminate building permit fees (Station #4). \$39,300
- Eliminate engineering review and inspection fees (Station #4). \$56,600
- Eliminate building permit fees (Stations #1, 2, 3, 5). \$57,400

- Evaluated pro-press plumbing joints in lieu of solder (Stations #1-5).
- Evaluated Pex tubing in lieu of copper in unexposed areas. (Stations #1-5).
- Evaluated forced air in lieu of VRF heating/cooling system. (Determined unfeasible due to fresh air requirements and roof construction mounting limitations) (Stations #1-5).
- Evaluated fluorescent lighting in lieu of LED (Stations #1-5)
- Reduced the number of electrical & data outlets (Stations #1-5).
- Reduced the number of light fixtures (Stations #1-5).
- Evaluated wall and floor finishes (epoxy vs ceramic vs Vct etc) (Stations #1-5).
- Evaluated wall tile 1/2 way up verses full height (Stations #1-5).
- Delete (3) New clerestory windows in apparatus bays (Station #2 & 3) Estimate \$25,578.
- Evaluated painting of existing roofs (Stations #2, 3 & 5).
- Evaluated crushed concrete base in lieu of limestone (Stations #2 &4).
- Evaluated patio areas (e.g. vinyl fence in lieu of masonry walls with footings) (Stations #2- 5).
- Evaluated cost of various footing construction methods trench, formed and masonry (Stations #2- 5).
- Evaluated addressable fire alarm system (Stations #2-5).
- Evaluated diesel generators in lieu of Natural Gas (Stations #2-5).
- Evaluated reuse of existing generators (Stations 2-5).
- Evaluated painting interior side of exterior block in lieu of furring & drywall (Stations #2-5).
- Evaluated brick staining (Stations #3 & 5).
- Evaluated keeping existing overhead doors & paint (Stations #3 & 5).
- Cast in place mezzanine in lieu of pre-cast planks (Stations #3 & 5).
- Delete site lighting (Stations #3 &5) Estimate \$64,700.