

FACTS of INTEREST

South Platte River – Globeville Flood Control Project

- ❖ As the largest flood control project undertaken by UDFCD or the City and County of Denver, it removed over 300+ acres of land in north Denver and south Adams County from the regulatory 100 year floodplain, pending approval from FEMA later this year
- ❖ Cost - \$25,000,000.00 which includes design, construction, land acquisition and internal staff costs
- ❖ Thirteen years to complete in three phases
- ❖ 2-1/2 miles of the South Platte River rehabilitated
- ❖ River in-stream habitat created for more than 5,000 feet
- ❖ 770 lineal feet of flood levees were constructed along with 6,500 feet of flood levees
- ❖ The pedestrian trail was widened from 8 feet to 12 feet in some areas, and an additional 9,600 feet of 12-foot wide trail was added
- ❖ New trail/pedestrian underpass was built under Franklin Street and a new trail/pedestrian bridge was constructed across the river to connect to the existing Adams County trail system
- ❖ Removal and replacement of the Denver Rock Island Railroad bridge downstream of Franklin Street
- ❖ Removal and reconstruction of a 36-inch Denver Water Department suspended 'gray' water line, which bridges the channel
- ❖ Construction of scour protection of the river bottom, banks and Franklin Street Bridge piers
- ❖ Aquatic and wildlife habitat improvements
- ❖ A new and improved riparian corridor along the banks of the river
- ❖ Burlington Dam was removed and a new weir and approach channel were built upstream of Franklin Street in order to lower the South Platte River bottom up to 8-feet to contain the floodwaters in conjunction with the levees and floodwalls
- ❖ Amenities in the immediate area include a reclaimed Northside Sewage Treatment Plant, which is now the Northside Park, the Colorado National Guard Armory built a new building on the reclaimed Treatment Plan site and the Heron Pond Nature Area was designated as an environmental wildlife sanctuary by EPA

TOTAL QUANTITIES UTILIZED FOR THE CONSTRUCTION OF ALL THREE PHASES OF THE SOUTH PLATTE RIVER

| ITEM | QUANTITY | UNITS |
|--|-----------|--------------|
| Excavation | 100,000 | Cubic Yards* |
| Embankment | 40,500 | Cubic Yards* |
| Topsoil | 14,500 | Cubic Yards* |
| Stabilization Material | 800 | Cubic Yards* |
| Riprap\Boulders | 24,000 | Cubic Yards* |
| Buried Broken Concrete | 7,500 | Cubic Yards* |
| Concrete Structures | 10,050 | Cubic Yards* |
| Reinforcing Steel | 1,330,000 | Pounds |
| Railroad Bridge | 380 | Lineal Feet |
| 36" Steel Water Line | 520 | Lineal Feet |
| Floodwalls | 770 | Lineal Feet |
| Levees | 6,400 | Lineal Feet |
| Boulder Walls | 8,400 | Lineal Feet |
| Concrete Trails | 9,650 | Lineal Feet |
| Crusher Fine Trails | 6,500 | Lineal Feet |
| Shrubs | 1,329 | Each |
| Trees | 1,355 | Each |
| Sandbar Willows | 1,710 | Bundles |
| Seeding | 13 | Acres |
| Erosion Mat | 8,250 | Square Yards |
| Storm Sewer Pipe | 403 | Lineal Feet |
| Sanitary Sewer Pipe | 156 | Lineal Feet |
| Manholes\Inlets | 6 | Each |
| Outfall Protection Modifications | 7 | Each |
| Chain Link Fence | 3,620 | Lineal Feet |
| Handrail | 655 | Lineal Feet |
| | | |
| *One Cubic Yard is 3' High x 3' Wide x 3' Deep | | |