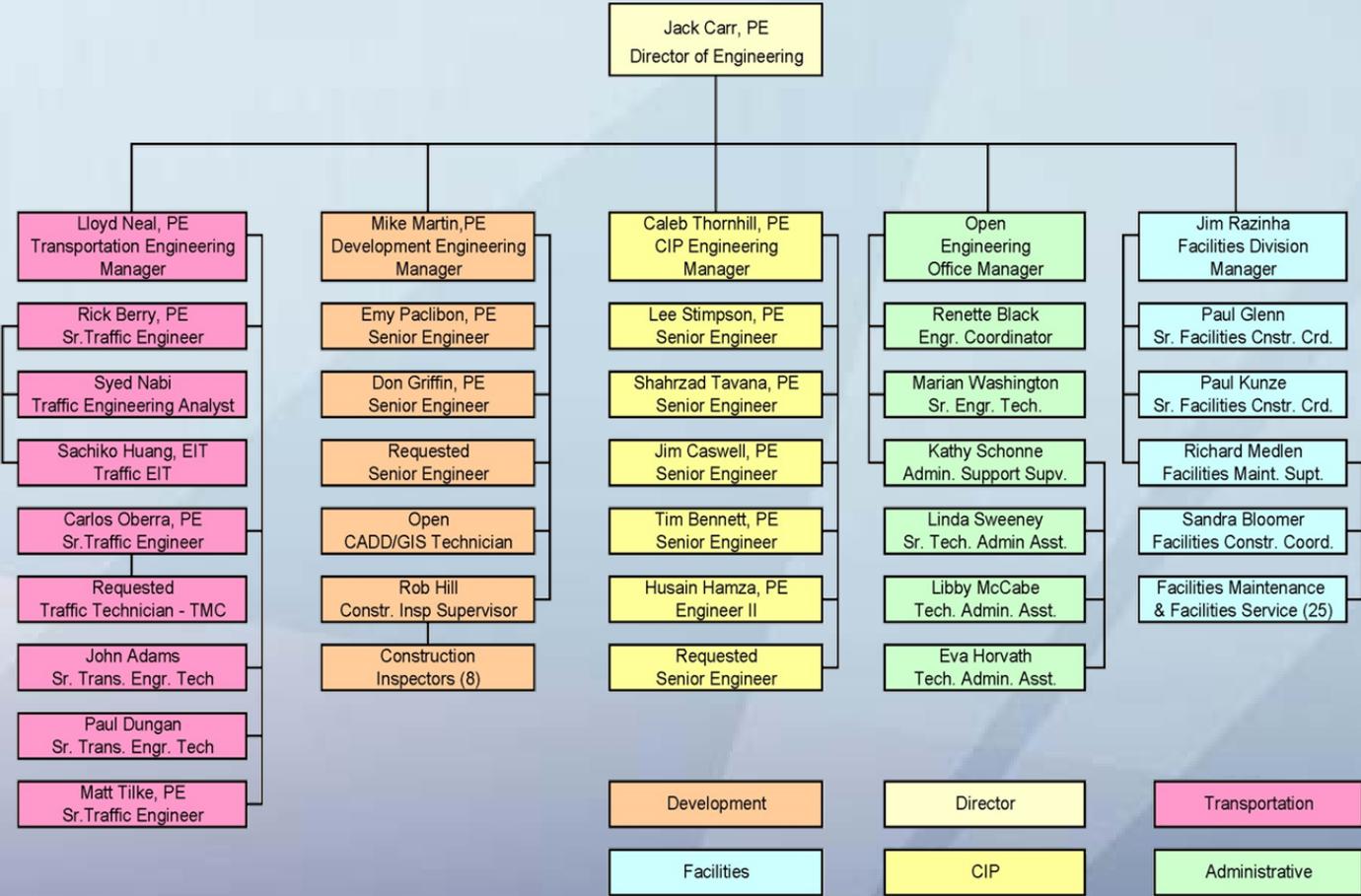


Engineering Department Overview

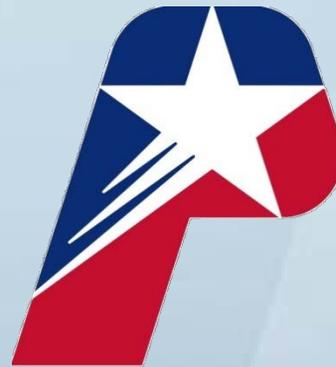
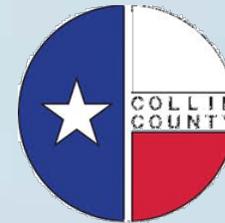
August 2015



ENGINEERING DEPARTMENT



COLLABORATION - TEAMWORK



COLLABORATION - TEAMWORK

- LEGAL
- PURCHASING
- CITY SECRETARY
- FINANCE – ACCOUNTING - BUDGET
- PUBLIC INFORMATION
- HUMAN RESOURCES
- PUBLIC WORKS

TRANSPORTATION ENGINEERING

Lloyd Neal – Transportation Engineering Manager



TRANSPORTATION ENGINEERING

- School traffic safety
- Review high accident locations
- Coordinate with NTTA and TxDOT
- DART signal house relocation
- Downtown Parking Study
- Legacy Area Transportation Study

DEVELOPMENT ENGINEERING

Mike Martin – Engineering Manager



DEVELOPMENT ENGINEERING

- **Development review**
 - **Supports the Planning staff**
 - **Plats, site plans, zoning, etc.**
 - **Construction plan review**
 - **Construction inspection**
 - **Ensure compliance with standards**

DEVELOPMENT ENGINEERING

- Design standards
- Utility cut permitting (franchise)
 - 800 permits issued per year
- Street lighting
- Utility engineering (water and sewer)
- Drainage issues

Flood Plain Management



- National Flood Insurance Program
- FEMA Maps – Insurance rates
- Community Rating System
- Plano Class 5
- Best in Texas (four other cities)
- 25% discount in insurance cost

CIP MANAGEMENT

Caleb Thornhill– CIP Manager



CIP MANAGEMENT

- **Highly visible Engineering Division**
- **Manages CIP projects**
 - **Streets, alleys, traffic signals, screening walls**
 - **Utilities – water and sewer**
 - **Drainage system, culverts, storm sewer, bridges, gabions, etc.**

CIP MANAGEMENT



**Residential
Street
Reconstruction**



CIP MANAGEMENT

Screening Walls



Erosion Control Bank Stabilization

CIP MANAGEMENT

Stadium Pump Station



CIP MANAGEMENT

CHALLENGES

- Utility Relocation
- Easement acquisition



FACILITIES DIVISION

Jim Razinha– Facilities Manager



FACILITIES DIVISION

- **Facilities Construction**
 - **CIP**
 - **Capital Reserve**
- **Facilities Service**
- **Facilities Maintenance**

FACILITIES DIVISION

- **100 City-owned buildings**
- **Facilities Service**
 - **Custodial care – 60 buildings**
- **Facilities O & M**
 - **15,000 work orders per year**

FACILITIES MAINTENANCE

- Heating
- Air conditioning
- Lighting
- Electrical systems
- Plumbing
- Elevators
- Fire sprinklers
- Fire alarms
- Carpet
- Roof
- Pest control
- Paint, wallpaper
- Access control systems
- Doors, automatic doors
- Ceiling tiles
- Backup generator UPS for PSC
- Sidewalks & parking lots



FACILITIES MAINTENANCE

- Repair equipment
- After-hours trouble calls
- Manage contracts for outsourced work
 - Elevators, A/C maintenance, plumbing, electrical, roofing, etc.

FACILITIES SERVICE

- One supervisor
- Four service representatives
- One full-time custodian
- Outsource custodial care
 - 60 buildings

FACILITIES CONSTRUCTION

- Three construction coordinators
 - New/expansion construction
 - Capital Reserve Fund projects

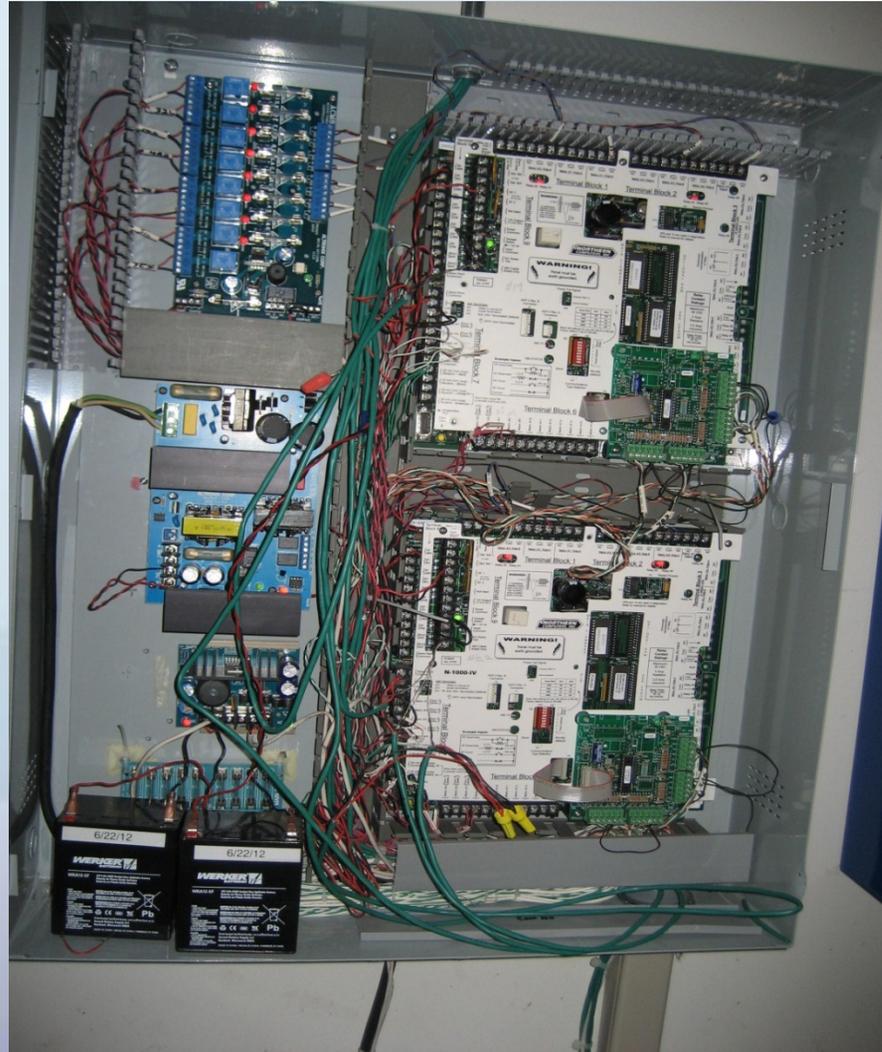
Oak Point Recreation Center



Pool Systems



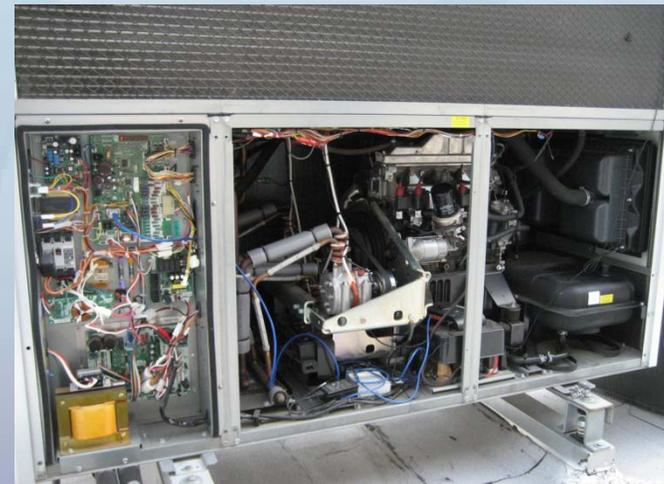
Security Systems



Life Safety Systems



Equipment Repair



Snow and Ice Control



QUESTIONS?