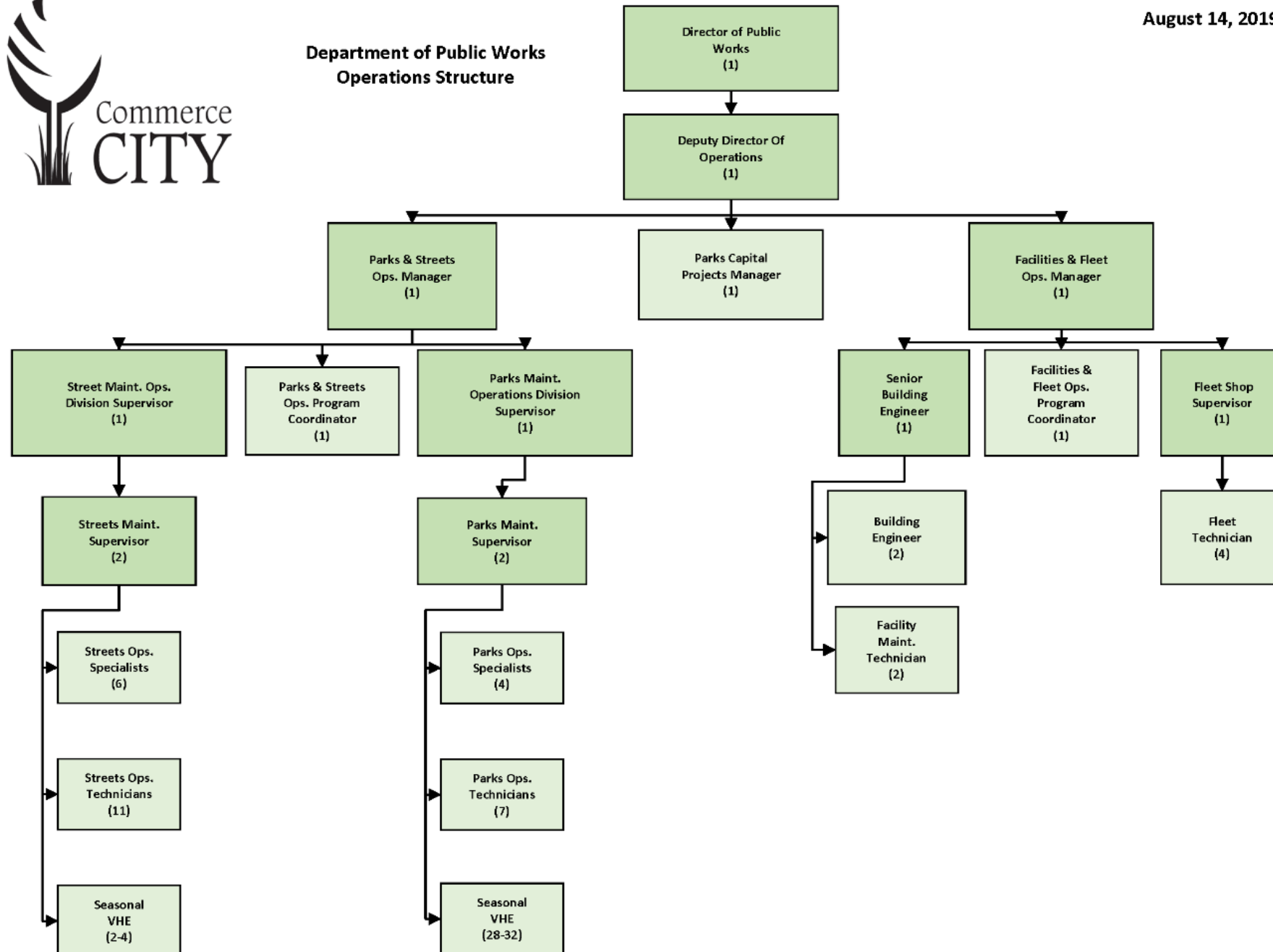


Public Works Department Overview



Department of Public Works Operations Structure

August 14, 2019



Public Works Divisions

- Administration
- Engineering
- Facilities
- Fleet
- Parks
- Streets

Public Works Divisions

- Engineering
 - Development review
 - CIPP
 - Inspections
 - Storm Water Quality
 - Storm Drainage
 - Permitting

Public Works Divisions

- Fleet Division
 - Maintenance and Repairs to Fleet Vehicles and Equipment
 - Procurement of New and Replacement Vehicles and Equipment

Public Works Divisions

- Facilities Division
 - Maintenance and Repairs to Facilities
 - Procurement of New and Replacement of Facility Infrastructure/ Building Operating Systems

Public Works Divisions

- Streets Division
 - Maintenance and Minor Repairs to Streets
 - Road signs, street sweeping, crack sealing, striping, etc.
 - Right of Way Maintenance
 - Landscaped ROW areas, roadside ditches, weed mitigation, etc.
 - Snow and Ice Control (Integrated with Parks Division)
 - (Streets, Buildings, Parks, Trails)
 - Storm Drain and Infrastructure Maintenance
 - Storm inlets/outlets, detention ponds, culverts, etc.

Public Works Divisions

- Parks Division
 - Maintenance of Parks, Trails and Building Grounds
 - Park Rentals
 - Sports fields, tournaments, picnic shelter rentals, etc.
 - Event Support
 - Community events, Recreation events, City sponsored events, partner agency events, etc.
 - Snow and Ice Control (Integrated with Streets Division)
 - Throughout parks, trails and building grounds; Assistance on Streets
 - Open Space Maintenance and Restoration (New for 2019)

Parks Operations

- 21 Developed Parks (152 acres)
 - Community Parks (77 acres)
 - Neighborhood Parks (68 acres)
 - Pocket Parks (7 acres)
- 24 Miles of Developed Trail (37 acres)
- 476 Acres of Dedicated Open Space
- 5 Buildings
 - Bison Ridge, Eagle Pointe, Civic Center, MSC, Conter Community Center/Historical Society
- 25 acres ACSD#14 Elementary Schools (athletic facilities)

Parks Maintenance Staffing

- 14 Fulltime Staff Members
 - 3 Supervisory Staff Members
 - 11 Field Staff Members
- 32 Seasonal/Variable Hour Staff Members
 - 5 variable hour year round (40+ hrs/wk average)
 - 7-10 month season for remainder of staff members (40+ hrs/wk average)
- 1 Variable Hour Administrative Specialist (32 hrs/wk)

Parks Maintenance Standards (Levels of Service)

- Level I – 11% of Properties
 - High volume and intense park usage, high profile properties, Community Parks
- Level II – 35% of Properties
 - Heavily used neighborhood parks, key ROW areas
- Level III – 54% of Properties
 - Less frequented neighborhood parks, pocket parks, trail corridors, ROW properties, ACSD#14 Properties

Parks Maintenance Standards

(Levels of Service)

- Level I – 11% of Properties
 - Turf Mowed 1-2 times per week
 - Fertilized 2-3 times per season
 - Irrigation systems monitored for alarms daily, frequent on-site inspections
 - Litter control 7 days/week during rental season, 5 days/week min year round
 - Restrooms Serviced once per day minimum

Parks Maintenance Standards

(Levels of Service)

- Level II – 35% of Properties
 - Turf Mowed 1 time per week
 - Fertilized 2 times per season
 - Irrigation systems monitored for alarms daily, less frequent on-site inspections
 - Litter control 2 days/week Monday – Friday, as needed on weekends during rental season
 - Restrooms Serviced 3 times per week minimum
(high use areas may require more frequent service)

Parks Maintenance Standards

(Levels of Service)

- Level III – 54% of Properties
 - Turf mowed 1 time per 10 days minimum
 - Fertilized as conditions dictate (*1-2 times per season typically*)
 - Irrigation systems monitored for alarms weekly, checked as needed due to alarms or site conditions
 - Litter control 1 days/week Monday – Friday, as needed on weekends during rental season for rentals only
 - Restrooms Serviced 2 times per week minimum during rental season, 1 time per week during winter

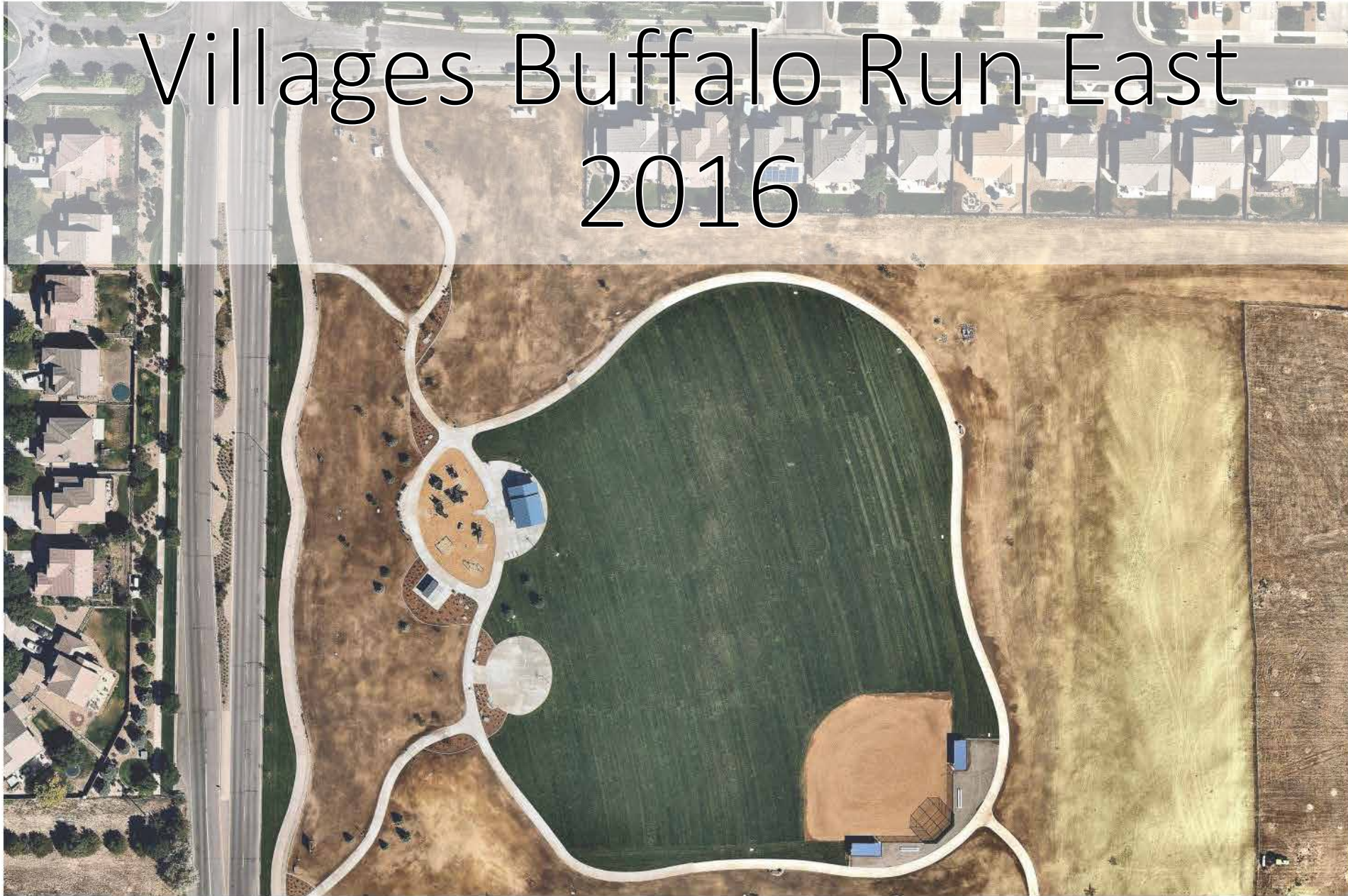
Event Support

- Provide support to a wide range of events
 - Small Recreation events (1 pop up tent, few tables/chairs)
 - Large community events
 - Community Outreaches
 - C3Fest
 - 4th Fest
- Average approximately 20 Events per Year
 - Most require after hours support on nights/weekends (overtime)
 - Additional time attending meetings, prep work prior to and after events (cleanup, sort, inventory, repair, store)

Park Events and Usage

- In addition to drop in use:
 - Shelter rentals
 - Ballfield, sports court rentals
 - Tournaments
 - Company picnics
 - Etc.
- Approximately 3,000 Usages/Rentals YTD 2019
 - Over 110,000 people estimated in attendance
- Several facilities closed for maintenance/construction
 - River Run, Villages Buff Run East, PGOS Trail

Villages Buffalo Run East 2016



Villages Buffalo Run East

October 2017



Villages Buffalo Run East

June 2018



Villages Buffalo Run East September 2019



Villages Buffalo Run East Park

- Sodic Clay Soil Conditions (extremely high Sodium content)
 - Levels several times higher than upper limit for grass growth
- Consulted with Agronomists, soil experts, leading golf and horticulture industry consultants
- Soil and irrigation water analysis
- Industry best management practices that have failed:
 - Aeration, top dressing, soil conditioners and surfactants, etc.
 - Planting of seed and sod with soil amendments
 - Underground drainage (French drains and leach fields)

Villages Buffalo Run East Park Remediation Plan

- Changing the Soil Profile and Composition
 - Drill and Fill Machine Purchased
 - 24 drill bits: 1-1/4" wide x 12" deep, 7.5" on center
 - Removes soil, fills holes with sand
 - Gypsum applications (multiple applications per year)
 - 1.5 tons per acre
 - Cation exchange
 - Soil conditioners to off set irrigation water deposits
 - Water treatment system (injection pump)?



Questions?

“Quality Community for a Lifetime”

