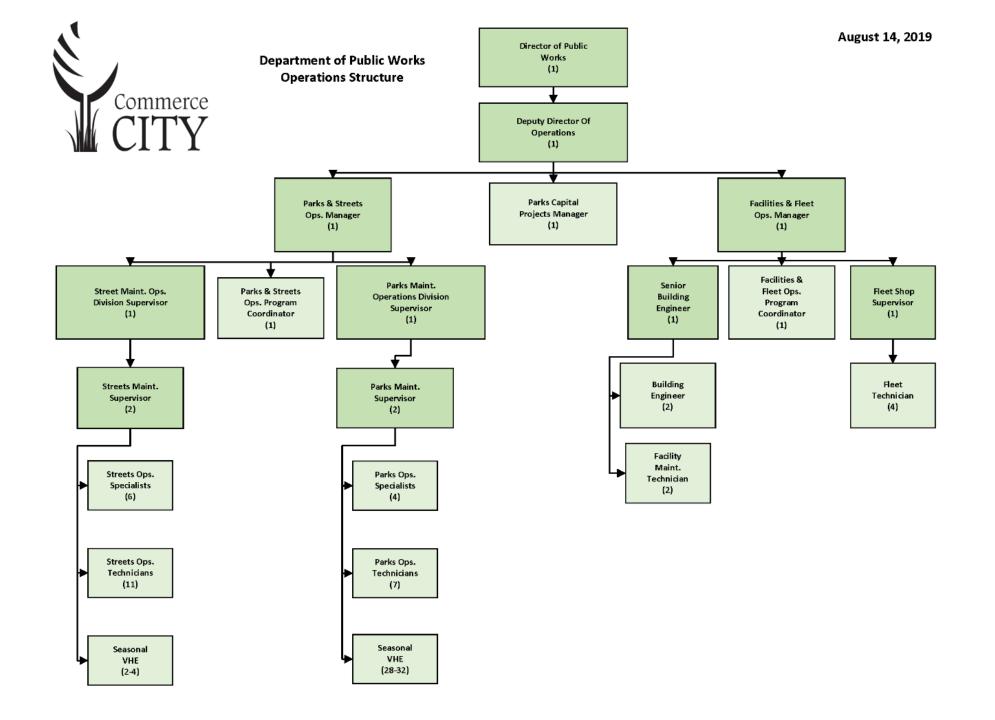


### Public Works Department Overview





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



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



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



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



- 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.



- 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) "Quality Community for a Lifetime"



## 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)



- 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



- 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



- 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)



- 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
    - 4<sup>th</sup> 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

"Quality Community for a Lifetime", 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 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

"Quality Community for a Lifetime age (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?**

