



Public Works

Thomas C. Sliwoski, PWLF - Director

Dave Irvin, PE – Utilities Supt

Steve Yancey – Street Supt

Mark Holland – Equip Maintenance/Traffic Supt

Tim Powell – Facilities Services/Refuse Supt

Carol Milkman – Office Manager

“The Department of Public Works team of dedicated professionals provide essential services, necessary to sustain public infrastructure for the residents of Staunton, enhancing quality of life for all.”



“The Department of Public Works seeks to maintain its vital role in preserving Staunton’s past, providing for its present needs, and ensuring its future.”

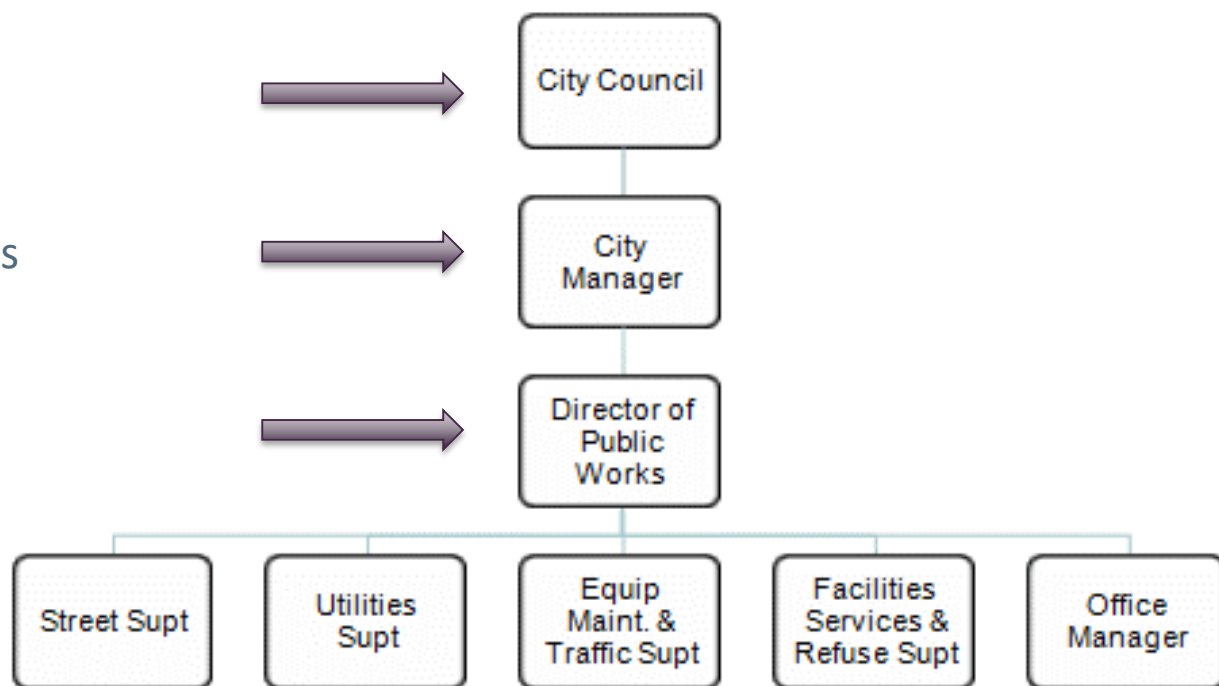


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- A decorative horizontal bar composed of several colored segments: dark purple, olive green, blue-grey, grey, yellow, dark red, dark blue, tan, teal, and dark green.
- ◆ City's largest operational department
 - ◆ 80 F/T employees
 - ◆ 15 P/T employees
 - ◆ Inmate labor (MRRJ)
 - ◆ City's largest departmental budget - \$18M
 - ◆ Divisions
 - ◆ Streets
 - ◆ Utilities
 - ◆ Facilities Services/Refuse & Recycling
 - ◆ Equipment Maintenance/Traffic/Parking
 - ◆ Admin/Customer Service/Utility Payment

- ◆ Internal & external customer base
 - ◆ 2,000+ external service call requests
- ◆ Impact every citizen, everyday, everywhere
- ◆ HSPD 5 – Public Works as First Responders



Citizens



- ◆ General Fund - \$6.4M
 - ◆ \$3.2M State reimbursement
 - ◆ - Streets and Traffic Signals
 - ◆ \$3.2M General Fund
 - ◆ Admin
 - ◆ Facility Maintenance
 - ◆ Equipment Maintenance
 - ◆ Traffic Engineering
- ◆ Water Fund - \$4.31M
- ◆ Sewer Fund - \$4.24M
- ◆ Environmental Fund - \$2.78M
- ◆ Parking Fund - \$548K



- ◆ Admin – 4
- ◆ Streets – 19
- ◆ Equipment – 4
- ◆ Traffic – 4
- ◆ Water lines – 7
- ◆ Sewer lines – 5
- ◆ Water Treatment – 8
- ◆ Utility Technical Services – 6
- ◆ Facilities – 9
- ◆ Refuse – 10
- ◆ Recycling - 3



Steve Yancey – Superintendent – 2010

- ◆ Maintenance & repair of...
 - ◆ Streets
 - ◆ Sidewalks
 - ◆ Right-of-way
 - ◆ Storm drains
- ◆ Services
 - ◆ Snow removal/ice control
 - ◆ Leaf Collection
 - ◆ Heavy Trash Collection
 - ◆ Street sweeping



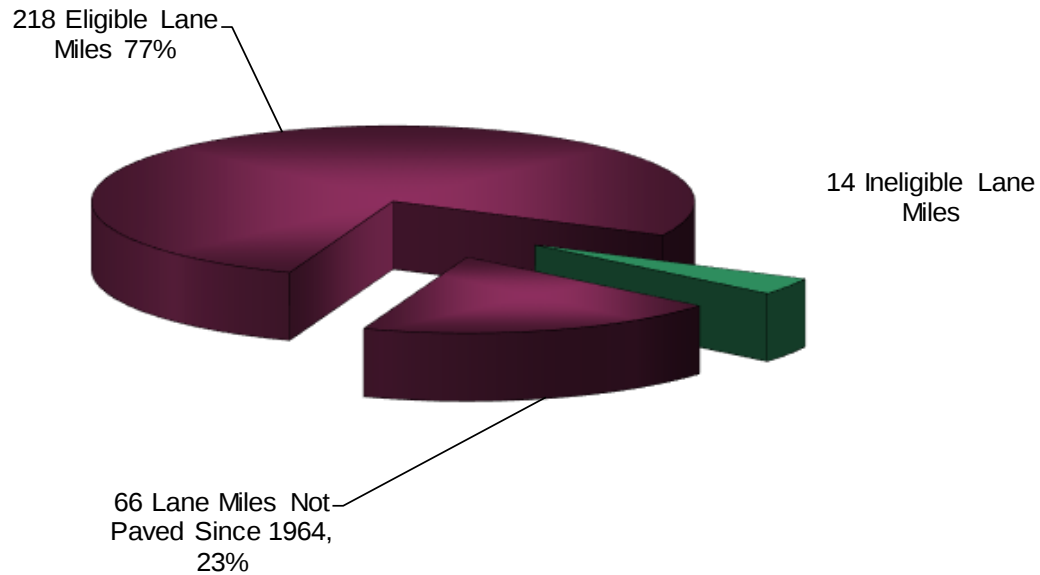
- ◆ 20 square miles
 - ◆ 286.57 Lane miles of eligible streets
 - ◆ 134.76 Centerline miles
 - ◆ 14 lane miles of ineligible streets
 - ◆ 18 bridges
 - ◆ 700 acres right-of-way
 - ◆ 60+ miles storm drain





Growth

- ◆ 1980 = 193 lane miles & 518 acres row
- ◆ 2018 = 287 lane miles & 700 acres row
 - ◆ 48% increase in lane miles
 - ◆ 35% increase in right-of-way



- ◆ Arterials --> collectors --> connectors --> subdivisions
- ◆ Re-paving based on:
 - ◆ Classification
 - ◆ Volume
 - ◆ Loading
 - ◆ Condition
 - ◆ Age
 - ◆ Construction
 - ◆ Ride-ability
- ◆ Pavement Condition Analysis
- ◆ VDOT Primary Extension Funding





Comparison

City	Lane Miles	Sq Miles	Manning
Winchester	204.2	9	12
Waynesboro	235.5	15	15
Staunton	286.6	21	19
Charlottesville	286.4	10	30
Harrisonburg	301.6	18	55



Equip Maint & Traffic Engineering

Mark Holland – Superintendent – 2007

- ◆ Vehicle Maintenance
 - ◆ Supervisor, 3 mechanics, 1 parts clerk
- ◆ Maintain 242 pieces of rolling stock
 - ◆ Average age 9.7 years
- ◆ Maintain 405 pieces of mechanical equipment
 - ◆ Average age 11.56 years



- ◆ Parking Operations
 - ◆ 2 garages
 - ◆ 520 spaces
 - ◆ 7 lots
 - ◆ 429 spaces
 - ◆ On street parking
 - ◆ 917 spaces



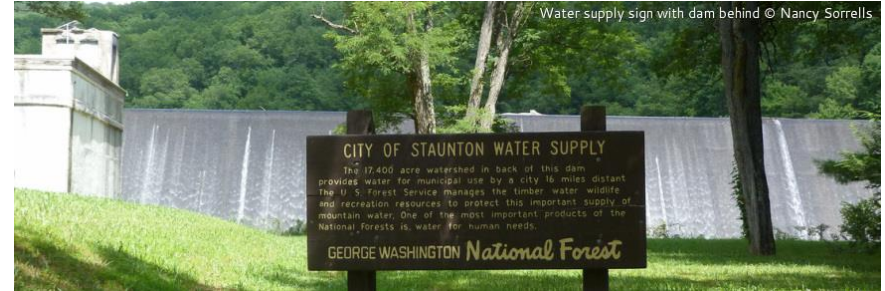
Traffic Signals/Engineering

- ◆ Signals
 - ◆ 48 signalized intersections
 - ◆ 7 flashing lights
 - ◆ 10 school zone flashers
 - ◆ 4 school zone rapid flashing beacons
 - ◆ Video detection on 18 intersections
 - ◆ Emergency pre-emption on 20 intersections
 - ◆ Adaptive traffic control system on Richmond Ave
- ◆ Engineering
 - ◆ 7,000+ signs
 - ◆ 442,000LF of roadway markings



Dave Irvin – Superintendent – 2010

- ◆ Water Treatment Plant – 8 MGD Filtration Plant
 - ◆ 8 F/T Personnel
 - ◆ Avg daily production 3.0 MGD
 - ◆ Storage capacity 7.2 MGD
 - ◆ State awards for 14 consecutive years
- ◆ Excellent source water
 - ◆ Gardner Springs, Middle River, Staunton and Elkhorn Reservoirs
- ◆ Agreement w/ Augusta County



Water supply sign with dam behind © Nancy Sorrells

- ◆ Water Lines – 6 F/T personnel
 - ◆ 153 miles of distribution plus 22 miles raw water line
 - ◆ 942 fire hydrants
 - ◆ 6 tanks
 - ◆ 11 pressure zones
 - ◆ 10 pump stations
 - ◆ 2,500+ valves
 - ◆ \$300K annual investment for upgrade/repair
 - ◆ Focus on *recurring preventative maintenance*
 - ◆ Average 180 breaks/leaks per year (60 on mains)
- ◆ Utility Technical Services - 5 F/T personnel
 - ◆ Pumps, meters, SCADA
 - ◆ 9,424 water connections



- ◆ Sewer Lines – 5 F/T personnel
 - ◆ 148 miles of collection system
 - ◆ 3,037 manholes
 - ◆ \$300K annually for upgrade/repair
- ◆ Recurring preventative maintenance and I/I abatement
 - ◆ Average 130 blockages per year (20 – sewer mains)
 - ◆ TV inspection, MH inspection/repair, flow monitoring, smoke testing, dye testing
- ◆ Middle River Regional Waste Water Treatment Plant
 - ◆ Joint ownership w/ Aug Co; daily operations by ACSA
 - ◆ 80% ownership by City
 - ◆ 6.8 MGD plant
 - ◆ City owns 4.9MGD of treatment capacity
 - ◆ Use approximately 2.5MGD





Refuse & Facilities Services

Tim Powell – Superintendent – 1999

- ◆ Refuse & Recycling

- ◆ Landfill

- ◆ 85 acres under Permit #585
 - ◆ Joint ownership w/ County and Waynesboro
 - ◆ Daily operations by ACSA

- ◆ 7 Cells

- ◆ Cells 1-3 filled
 - ◆ Cell 4 currently being used
 - ◆ Cell 5 construction within 4-6 years
 - ◆ Capacity 35-45 more years at current acceptance rate

- ◆ Curbside recycling

- ◆ 828 tons collected FY17

- ◆ GHP Recycling Site

- ◆ 184 tons collected FY17



Refuse & Facilities Services

- ◆ Facility Maintenance & Repair
 - ◆ 78 facilities (369,000 SF)
 - ◆ Routine maintenance/repair/minor construction
 - ◆ Custodial
 - ◆ USDA liaison



- ◆ Manning
- ◆ Funding
- ◆ Aging Infrastructure





Public Works

"The heart of every community."

