

People Input Strategy – *How we use 4 full-time employees and 1 half-time employee*

■ **Sign, Signal and Equipment Maintenance and Repair:**

- **Signals:** 2 Full-time Electricians to repair and maintain traffic signals, flashers, street lights, and various projects for other departments.
- **Signs:** 2 Full-time employees and 1 half-time employee to maintain and repair traffic signs and rebuild the painting equipment.

■ **Winter Operations**

TOTAL OF 4 FULL-TIME & 1 HALF-TIME EMPLOYEE



Sign, Signal and Pavement Marking Maintenance and Repair:

Signals: 2 Full-time Electricians to repair and maintain traffic signals, flashers, street lights and various projects for other departments.

Signs and Pavement Markings:

2 Full-time employees, 1 half-time, and 4 Seasonal Part-time employees to maintain and repair traffic signs and repaint and install pavement markings, including striping.



Summer Operations

TOTAL OF 4 FULL-TIME, 1 HALF-TIME, & 4 SEASONAL PART-TIME EMPLOYEES

OUTPUTS – Traffic Engineering (2008)



TRAFFIC ENGINEERING & PLANNING

Develop & Implement Traffic Flow & Safety Projects (6)

Traffic Planning/Engineering Study, design & review (10)

Participate in various committees and meetings: BPO-TAC, Site Plan Committee, Traffic Signal System Operations Committee.

Evaluate & Implement New Technologies & Standards

Manage Idaho Power Company services for Street & Parking lot lights and traffic signals

Operate Greater Pocatello Traffic Signal Coordinated System
(32 signals now coordinated, 22 intersections viewable from Traffic Engineering Office and Traffic Operations Center)

OUTPUTS – Traffic Engineering



■ MAINTENANCE & OPERATIONS

■ Traffic Control Signing

- Install/Replace 800 Signs & 300 Posts
- Material Costs \$37,900
- Upgrade school area signing
- Signing for Rail Crossings development
- signed JC Penney's Parking Lot

■ Traffic Control Painting

- 4,000 gallons bulk traffic paint
- Cost \$23,700; Reflective beads \$7,700

■ Paint/Repaint 81.5 miles of Centerline Striping

■ School Crosswalks- 100%

■ Other Crosswalks, Stop Lines & Turn Arrows- 20%

■ Parking lots for others: 1

■ Durable Pavement Markings

- Install 100 sets Arrows, Crosswalks, etc.
- Striping & Markings for Rail Crossings Development
- Repair Existing Durable Pavement Markings
- Material cost: \$16,300



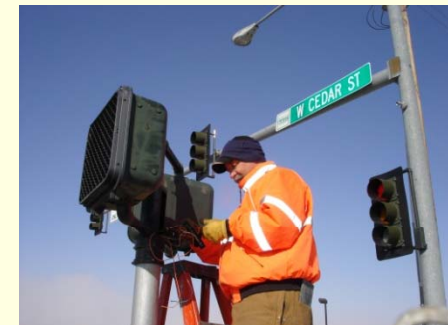
OUTPUTS – Maintenance & Operation (cont.)



Traffic Control Electrical Work

Non-Capital Material Cost; \$30,600

- ***Idaho Power Company Energy Charges: \$289,000 (Includes street light turn-ons and energy for Old Town Pocatello holiday tree lights for an extended period of time)***
- Maintain Traffic Signals & Flashing Beacons: 74
 - Installing L.E.D.s for electric energy conservation
- **Street Lighting:**
- Maintain City Owned Street & Parking Lot Decorative Lights: 504
- Maintain Circuits for 240 City-Owned Street Lights maintained by IPC
- **Other Electrical Work-**
 - Projects for other departments: 4
 - (not including MESH Network for Police Dept.)



OUTPUTS – Traffic Engineering



■ CAPITAL WORK

■ Traffic Signal Improvements:

- Traffic Signal Upgrade: **Eldredge & Pole Line** (New controller, video detection, and L.E.D. vehicle & ped. Heads and ped. pushbuttons)
- Updated Pedestrian Indications with Count-Down L.E.D. Heads
 - -- Arthur Ave. & Benton St.
- Replace Emergency Vehicle Preemption equipment
 - Benton St. & Main St.
- Replace Video Detection Equipment
 - Bench Rd. & Fairway Dr.
- Repaired/Replaced Traffic Signal Poles: 2
- Continuing to install L.E.D. vehicle indications.

■ Traffic Signal Coordination System:

- 3 New Traffic Signals added to Coordinated System
- 2 Additional Traffic Signals being video monitored from Traffic Engineering Office and Traffic Control Center
- New Timing Plan Implemented



OUTPUTS – Capital (cont.)



- **Street Lighting:**
- Rebuilding Street Light Systems to Re-energize and for Electric Energy Conservation (Reduced luminaries from 400w to 250w)
- Signalized intersections
- Yellowstone, Pine to Chapel
- Pocatello Creek east of Jefferson
- Decorative Street Light Knockdowns reinstalled; 2
- Large Street Light Pole Knockdowns reinstalled ; 1
- Replaced Streets/Traffic truck shop lighting for better illumination and energy efficiency
- **Other Departments:**
- Mesh Network (for Police Dept.):
 - Developed electric power and Installed 16 transceivers



Traffic Department: (Eldredge & Pole Line)



Traffic Department: (various jobs)



Explanatory Factors

Street & Traffic

- Mountain bench hills add cost and complexity compared to average city
- Somewhat larger bridge requirement (RR yard overpasses) compared to some
- Northern Rockies weather compared to some
- Inherited pavement condition less than optimal
- Increasing traffic loads

Issues & Concerns

Street & Traffic

- **Sustain the Pavement Effort**
 - Sustained funding for pavement improvement and then regular rehabilitation
- **Stormwater**
 - New federal permit
- **Bridges**
 - Several nearing end of service life
- **Growth**
 - Added 1.25 miles (3.75 lane miles) to network in FY07, including Street Lighting, Signs, Cross walks, Striping. **Need for new traffic signals developing.**
 - Increase of 1.1%, similar to 99-05 pattern