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ITEM: Distribution
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CITY CLERK'S DEPARTMENT






Transportation
Roads


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Mid-Cycle Adjustments
November, 2016



November 21-25, 2016 | Presentation

1



TRANSPORTATION DEPARTMENT



ROADS





OPERATE

MAINTAIN

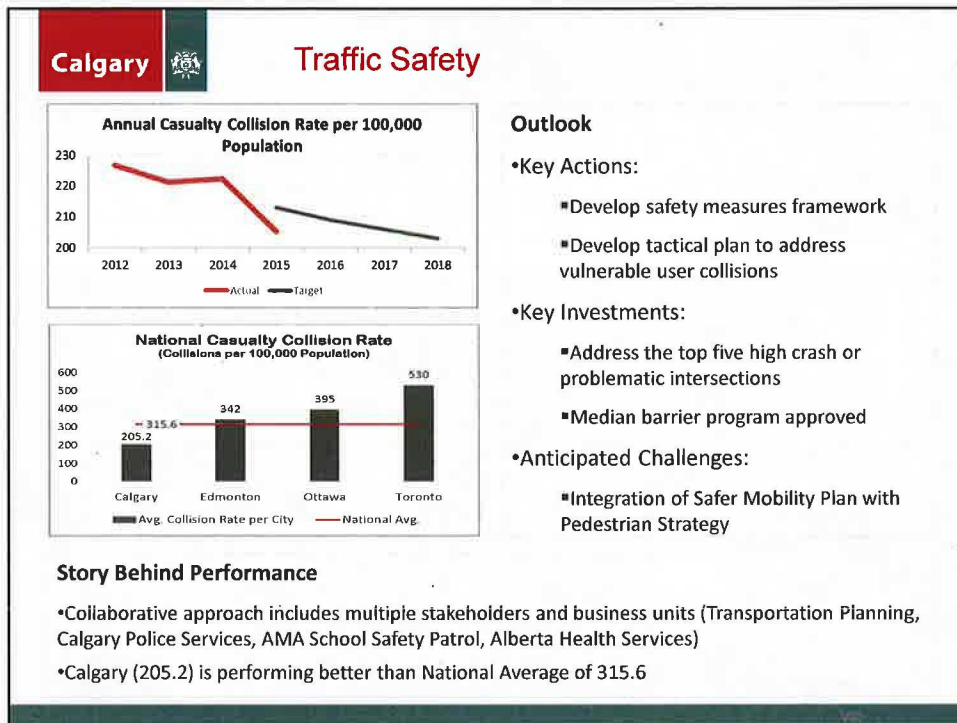
The Roads business unit operates, maintains, rehabilitates, and reconstructs the city's current roadways and bridges, and manages traffic. We work to provide a safe, reliable, efficient, and customer-focused transportation system.

Business Unit Services

- Traffic operations
- Street, sidewalk, and bridge maintenance
- Development services
- Spring Clean-Up
- Snow & Ice Control



2





Safer Mobility



Look out
for each other!

Distracted walking and driving is unsafe.
For safety tips, visit calgary.ca/lookout



Pedestrian Safety



Rectangular Rapid Flashing Beacons



Calgary Safer Mobility Plan



Community Speed Watch



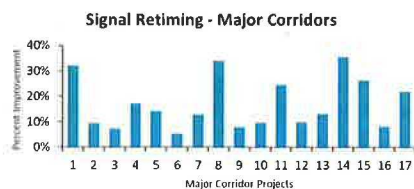
Traffic Calming Curbs Innovation



Reflective Sleeves Pilot

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Operational Improvements



Outlook

•Key Actions:

- Signal corridor retiming
- Enhance pedestrian capacity in high volume areas

•Key Investments:

- TMC communications to traffic signals and real-time traffic flow monitoring
- Uninterruptible power supply to maintain signal operation and traffic flow

•Anticipated Challenges:

- Prioritizing demands on a growing network

Story Behind Performance

- ‘Traffic congestion’ a key area Calgarians identified for improvement (Citizen Satisfaction Survey)
- Proactive incident response using real-time traffic data
- Increased signal connectivity expands detection of signals on flash, shortening response time

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Accessibility Improvements



Audible Pedestrian Signals



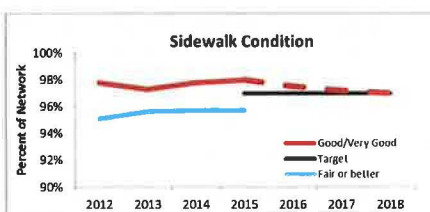
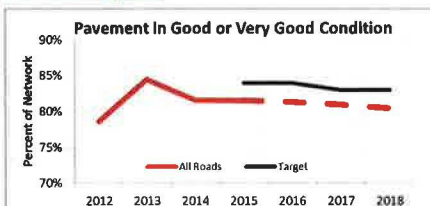
Tactile Paver



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Infrastructure Lifecycle Maintenance



Outlook

•Key Actions:

- Improving coordination of capital works with utilities
- Inspections to include before/after photos

•Key Investments:

- Pave 265 of 16,300 lane km of roads and replace 28 of 5,700 km of sidewalks
- Testing a Texas gate to prevent gravel lane washouts in severe rain events

•Challenges:

- Freeze-thaw cycle

Story Behind Performance

- 24% of Calgary's sidewalks are older than 50 years
- Developing innovative solutions such as the development of a slip-in asphalt recycler to reduce the cost of pothole repair

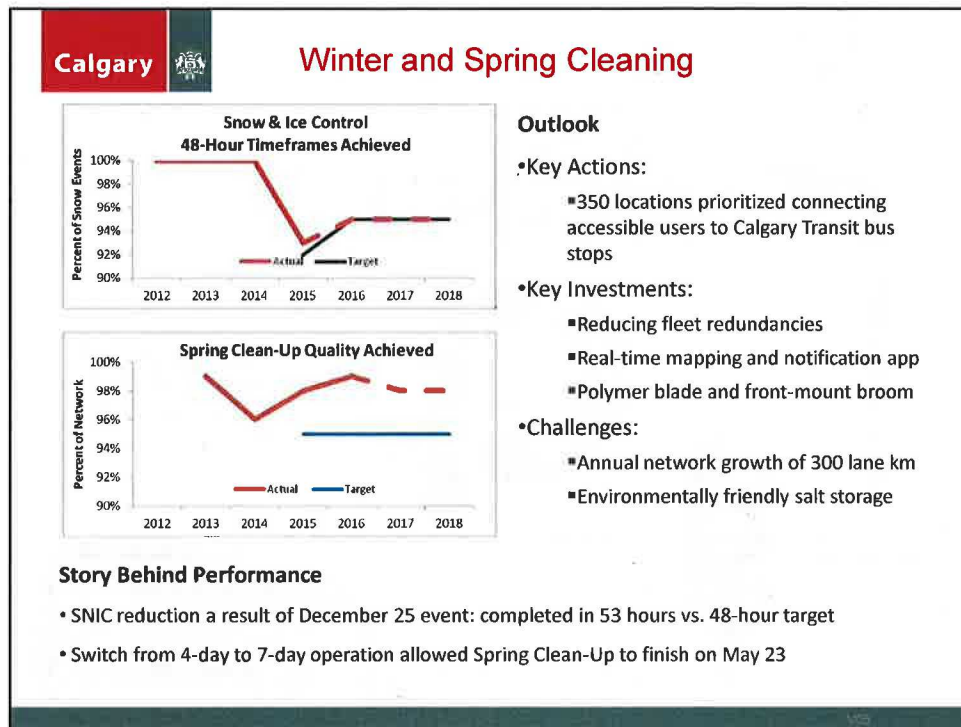
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Innovation - Asphalt Recycling



- Slip-in asphalt recycler prototype developed by City staff
- Uses existing fleet and eliminates 11 hot box vehicles
- Potential savings of up to \$1M if implemented across operations



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Trial – Vacuum Under Vehicle

Current Process

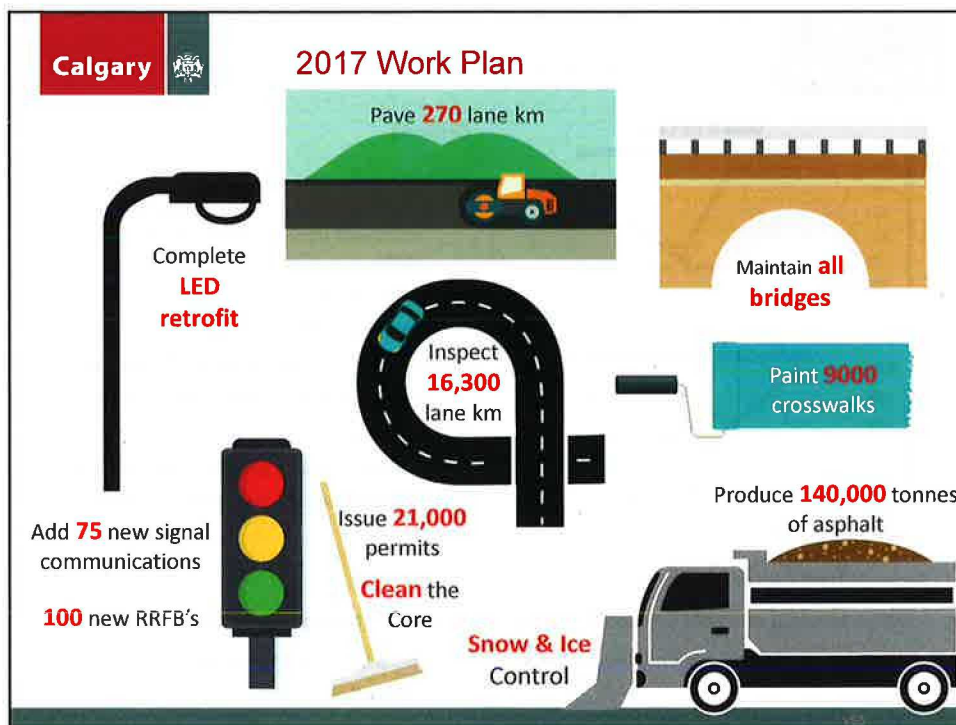
- Street sweepers maneuver around parked vehicles, leaving debris
- Current options: Ticketing and short tow
- Result: time and costs


Trial

- Two-man crew and a vacuum truck
- Remove debris without contact the vehicle
- Approximately 15 minutes to complete





Result

- Small amount of debris remaining under the tires and better service to customers



Calgary 

Our focus and staff commitment:

-  **Safe**
-  **Efficient**
-  **Sustainable**
-  **Customer-Focused Service**

