



# Performance Section

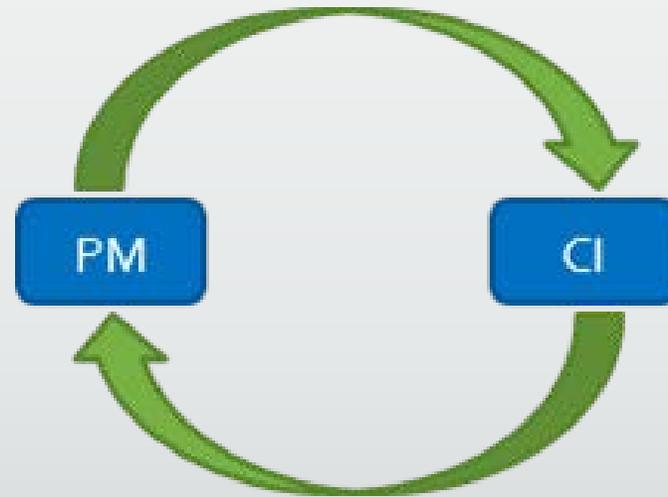
How are we doing?  
Can we do better?



# Performance

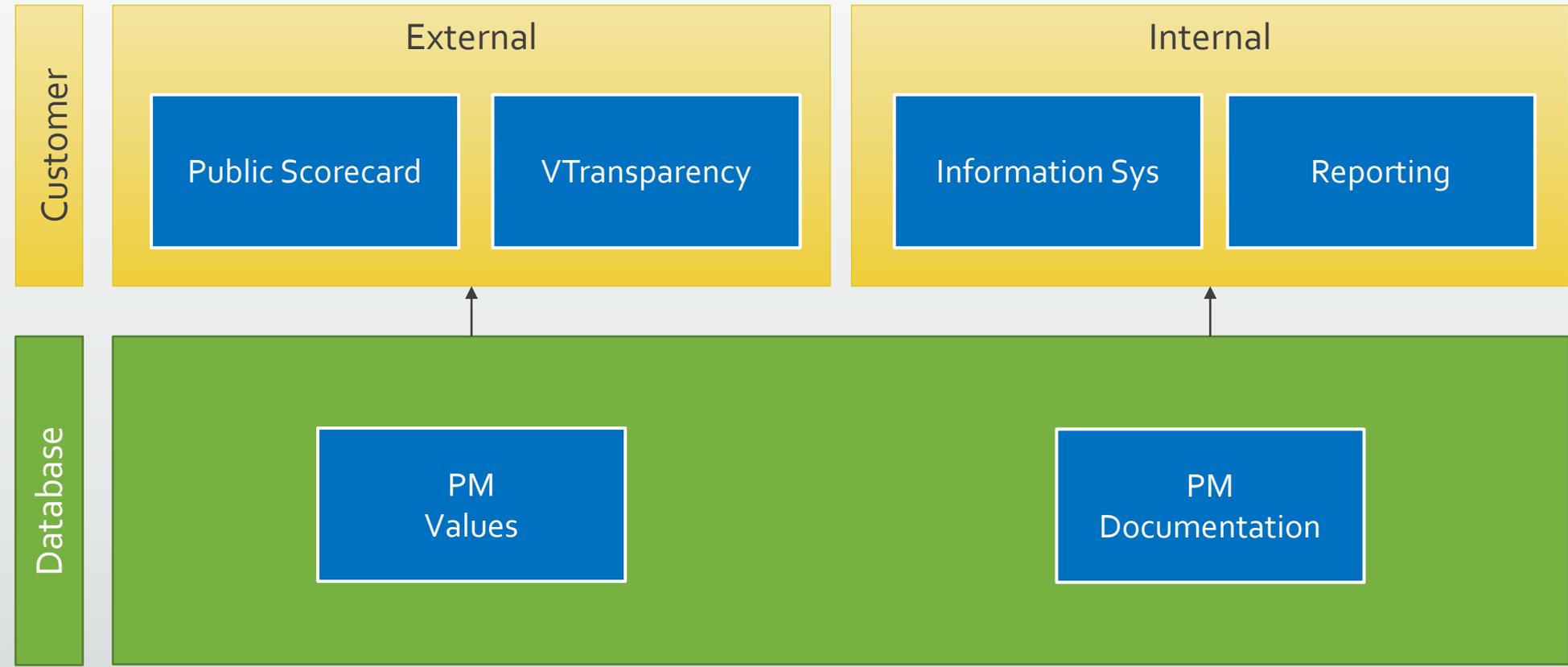
## Performance and Innovation

- Performance Monitoring
- Process Improvements





# Performance Monitoring



# Information Systems

## VTrans Performance Report

Measure \*

Select an Option

Which measure are you reporting? (choose from the list)

Date \*

09/27/2017

What is the date the value you're reporting? (use the calendar or a date like 12/31/1999)

Value \*

enter the value

What is the value of this KPI for the report date? (numbers only)

Target \*

enter the target

What is the target for this KPI for the report date? (numbers only)

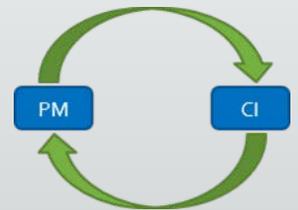
Story \*

This measure is currently above the target because our mitigation strategies are working effectively, and we had a lower number of new incidents than expected.

Why is this measure currently at this value?

Submit

If you have questions, need help with this form, or need to make a correction, please contact the [performance section](#).



# Scorecard

Goal 1: Provide a safe and resilient transportation system that supports the Vermont economy.

Objective 1.1: Reduce the number of major crashes.

Major Crashes: 5-year rolling average (total) ▲



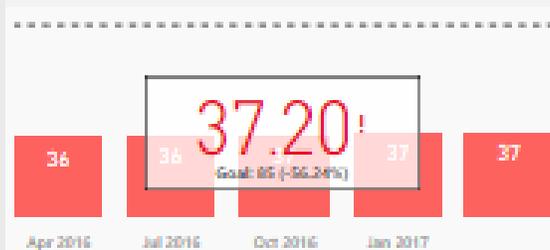
Target: Reduce by 10% compared to the 2007-2011 5-Year Period, from 387 to 348.  
The total number of major crashes has been steadily declining

Objective 1.3: Increase the resiliency of the transportation system.



Small Culverts: Inspected (percentage) ▲

Target: Inspect at least 20% of all small culverts in every 12-month period.



Employees: ICS Training (percentage) ►

Target: Maintain at least 85% total staff with Incident Command System training

Share

Share Url

<https://app.powerbi.com/view?r=1>

PM CI

# VTransparency

STATE OF VERMONT

## Agency of Transportation

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- Rail
- Public Transit
- DMV
- Publications and Maps
- Working with VTrans



### Public Information Portal

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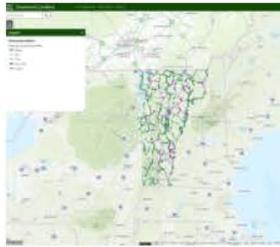
 Within: [All Types](#)

- BRIDGES
- PAVEMENT
- SAFETY
- PROJECTS
- MAINTENANCE
- WINTER
- CLEAR SEARCH

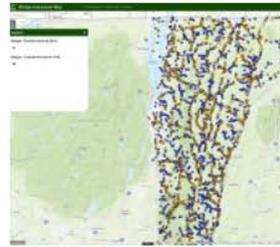
### Crash Query Tool App

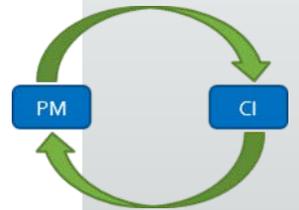


### Pavement Condition Map



### Bridge Inspections Map





# Information System

## Winter Costs Dashboard

### Overview

This report provides a detailed view of costs over time. The overview page visualizes the days an activity was performed, the miles plowed in each district, the running total costs throughout the season, the Labor, Equipment, and Material costs, and the total miles plowed.

All data comes from MATS. Seasons are recorded as calendar year for cleanup activities. (Sweeping/Washing Bridges) and as fiscal year for all other activities. For that reason, a season could span up to two years.

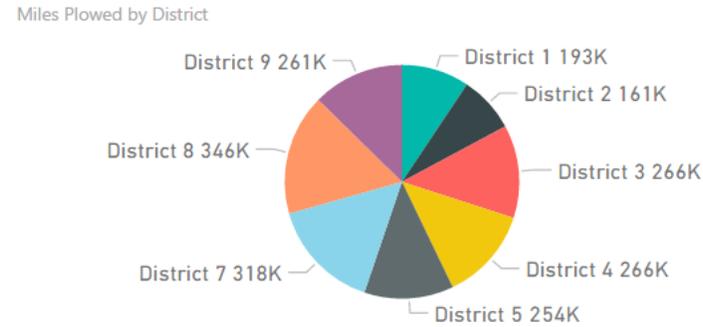
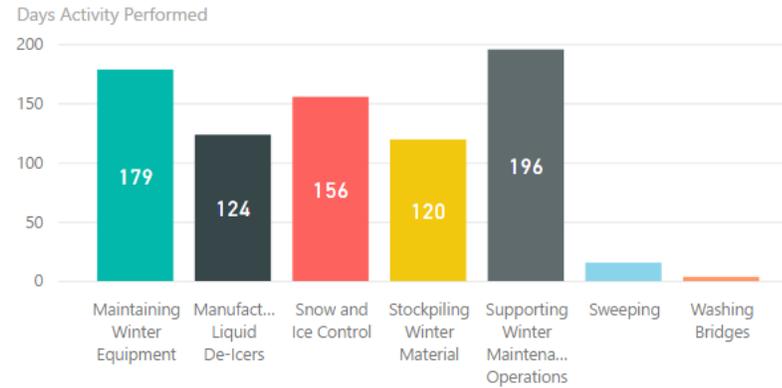
Season: 2017

District: All

Garage: All

Plow Route: All

Route: All



Labor Cost  
**10,291,484**

Equipment Cost  
**14,754,909**

Material Cost  
**11,069,920**

Miles Plowed  
**2,068,694**

Lane Miles  
**6,511**

### Running Total Cost by Date



- Cost Overview
- Cost Per Plowed Mile
- Cost per Lane Mile
- Snow/Ice Control
- Maintaining Winter Equipment
- Manufacturing / Stockpiling Winter De-Ic...
- Stockpiling Winter Material
- Supporting Winter Maintenance C

#### Visualizations

Search

- Assets
- Daily Work Report
- Equipment
- Labor
- Material
- Mileage

#### Filters

Page level filters

Hour Code(All)

Drillthrough filters

Report level filters

Activity is Maintaining Winter...

# Metadata

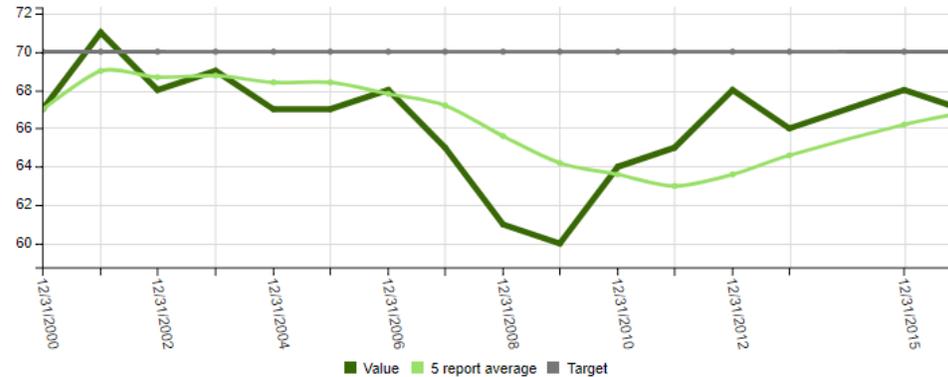
9/27/2017, 11:46:39 AM

Section  
AMP  
Reported  
Annually  
Last Report  
12/31/2016



## Performance Measure Factsheet

Pavement condition index experienced by the traveling public (weighted by traffic volume).



The average pavement condition index experienced by the traveling public (weighted by traffic volume) is a measure of actual experienced pavement condition.

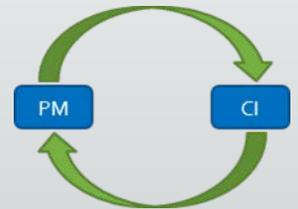
**What** VTrans is responsible for maintaining more than 3,200 miles of pavement across the state. Pavement Condition is a measure of driver's experience while travelling down the road and is rated on a scale of 0 to 100 based on rutting, cracking, and roughness. The scale is called the composite pavement condition index.

### Pavement Condition Descriptions

- Good: Like new pavement with few defects perceived by drivers. Composite pavement condition index 80-100
- Fair: slight rutting and/or cracking and/or roughness become noticeable to drivers. Composite pavement condition index 65-79.
- Poor: Multiple cracks are apparent and or rutting may pull at the wheel and/or roughness causes drivers to make minor corrections. Composite pavement condition index 40-64.
- Very Poor: Significant cracks may cause potholes and/or rutting pulls at vehicle and/or roughness is uncomfortable to occupants. Composite Pavement Condition Index 0-39.

**Why** Pavement condition directly impacts driver experience, safety and efficiency.

**How** Automated surveys are conducted annually to determine pavement conditions across the state. We use this data to track two metrics, one based on travel volumes and one based on mileage. For Travel Weighted Annual Pavement Condition (TWAC) we take the composite index and weight each road segment based on traffic counts. This metric gives us a good overview of





# Continuous Improvement

Investments in Improvements

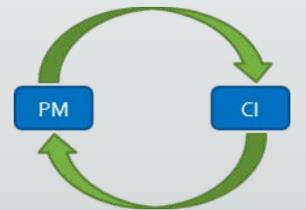
# Lean Program

## Completed Events

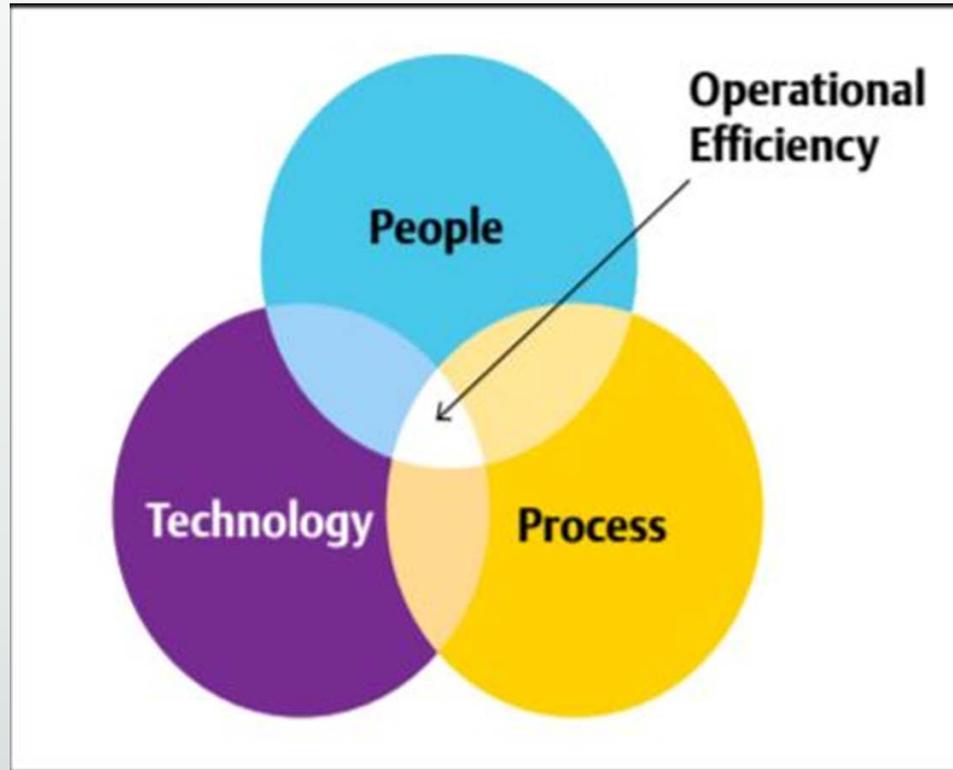
- Business Office Consolidation (6 events)
- Construction Project Submittals

## Upcoming Events

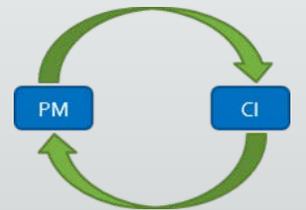
- Commercial Permit Process
- Construction Management Replacement (7 events)



# Business Process Management

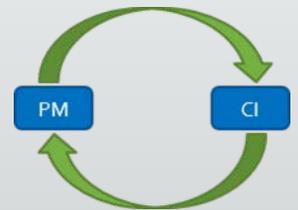


- Construction Finals Process
- Right of Way Section
- Utility Relocation



# Esign

VTrans Document	Unit Savings		<i>n</i> (Annual)	Annual Savings	
	Money (\$)	Time (min)		Money (\$)	Time (hours)
Timesheet	2.19	4.75	470	26849	971
	0.38	1.00	230		
Performance Evaluation	1.23	1.50	1300	1599	33
Closure Memo	1.64	2.50	1000	1640	42
Construction Project Bid Analysis	3.65	5.50	75	274	7
Travel Request	10.02	16.25	300	3006	81
Request for Authorization/New EA	2.01	4.00	250	503	17
Request for Modification	1.65	2.50	100	165	4
POV Form	5.22	7.60	100	522	13
<b>Totals</b>				<b>34557</b>	<b>1167</b>



# Questions ?

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