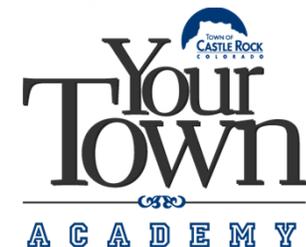


1. From initial planning through construction completion; how long did it take to complete the Castle Rock Parkway Project?

2. Who builds more public roads in Town; developers or the Town?

Public Works Department  
**Welcome!**

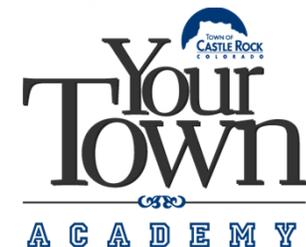
October 2019



Public Works Department

# Department Functions

October 2019



## Our Mission:

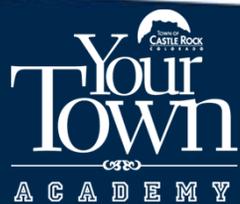
“To provide outstanding service, safety and support for transportation infrastructure and maintenance.”

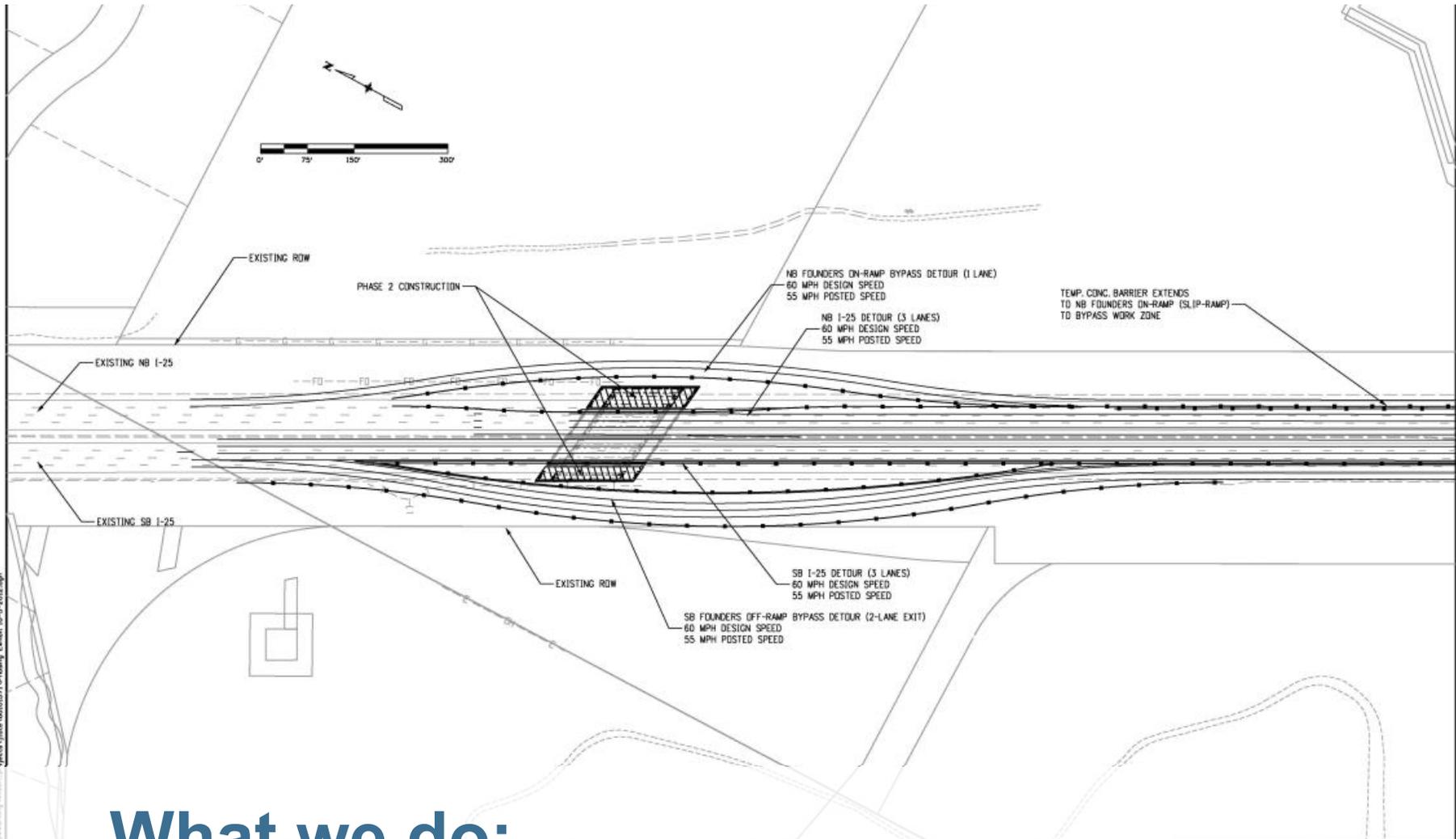


What we do:



TOWN OF **CASTLE ROCK**  
**Transportation  
Master Plan**  
October 2017

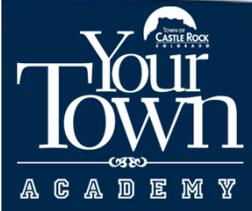




60% REVIEW - OCTOBER 2012

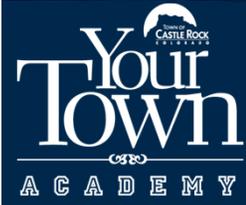
# What we do:

Computer: [unclear]		Sheet: [unclear]		As Constructed		NORTH MEADOWS EXTENSION Option B - 4 Lane Detour/3 Lanes on Bridge Phase 2		Project Number 2010-03	
Creation Date:	Date:	Comments:	Int.	No Revisions:		Designer:	Structure	Sheet Number	
Last Mod. Date: 10/5/2012				Revised:		Detailer:	Numbers	Sheet Number	
Drawing File Name: Phasing Exhibit 10-5-2012.dgn				Void:		Sheet Subset: PHASING	Subset Sheets: 2 of 3	Sheet Number	
Meta Ver. 08.11.07									
Scale: 1:150									
Units: English									



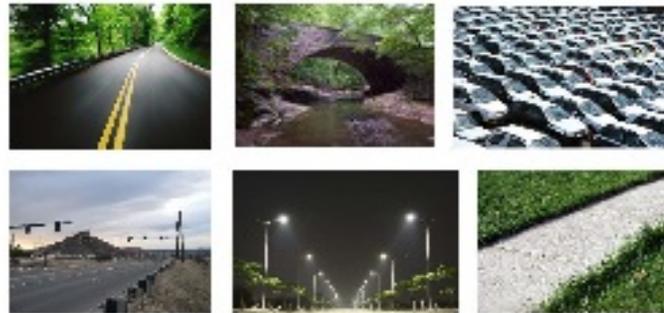


What we do:

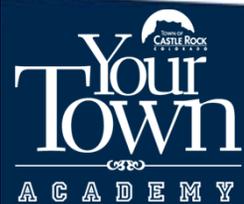




# STRATEGIC ASSET MANAGEMENT PLAN



## What we do:





What we do:



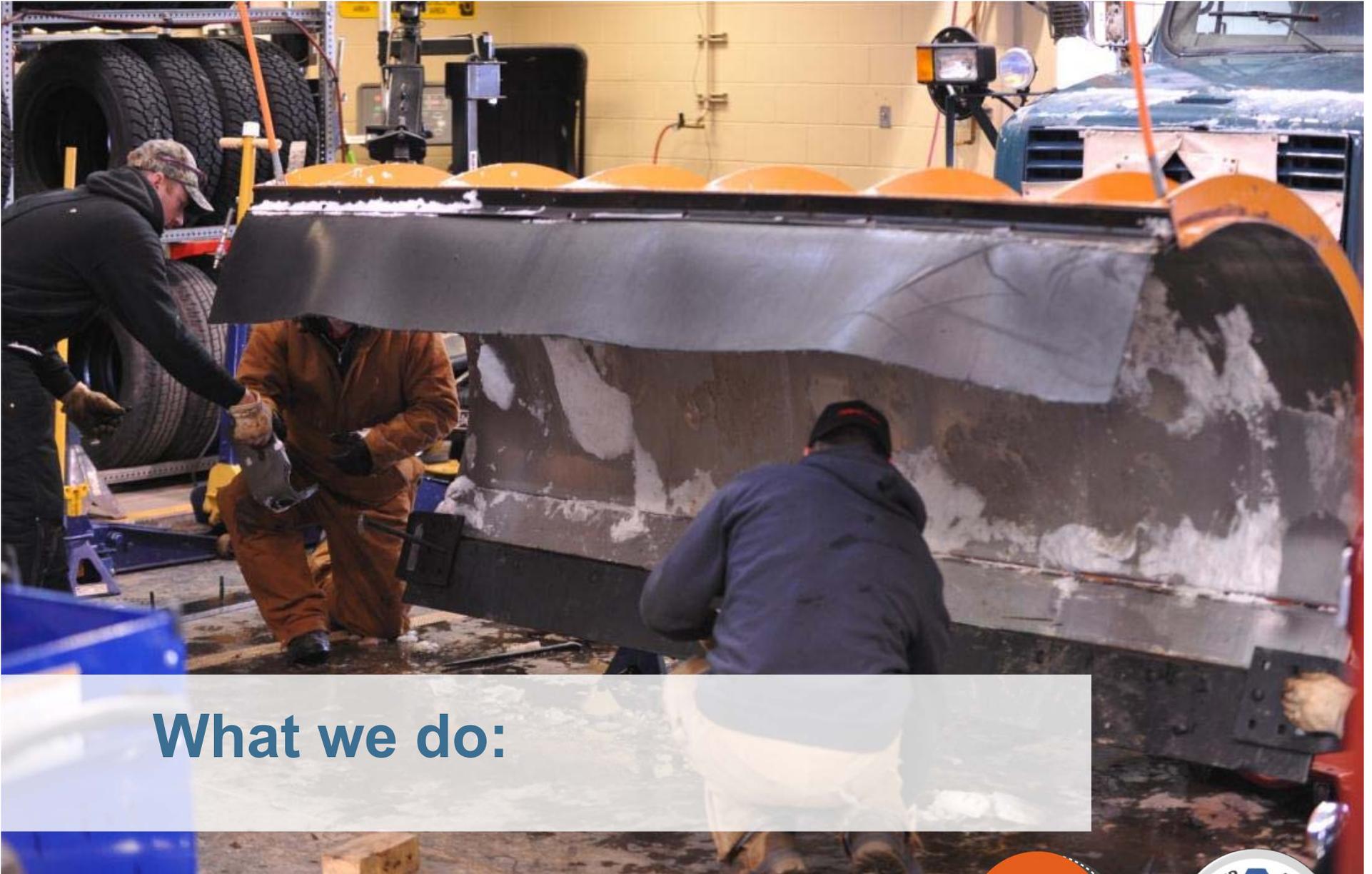
**What we do:**





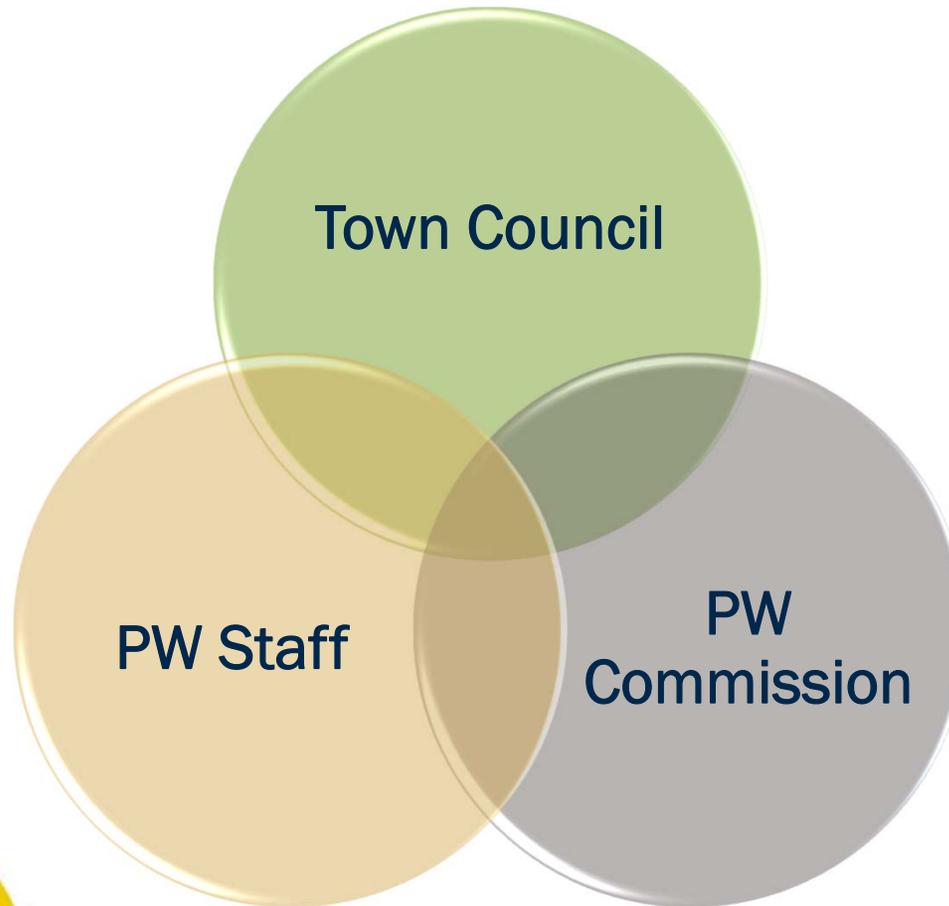
**What we do:**



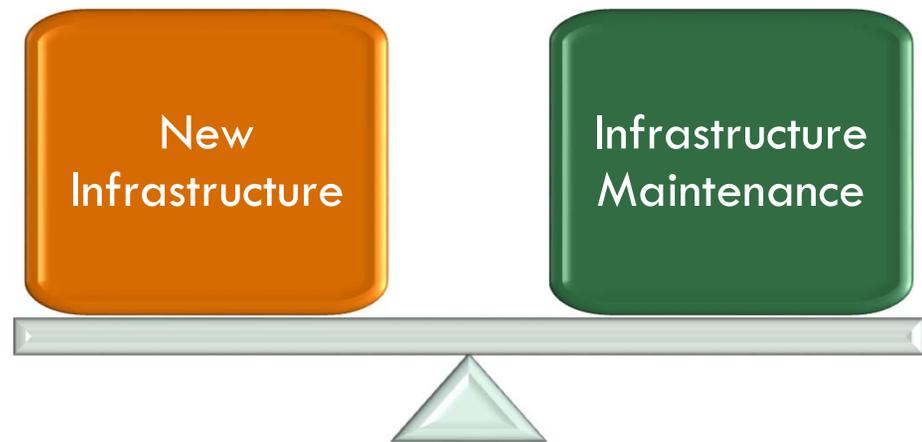
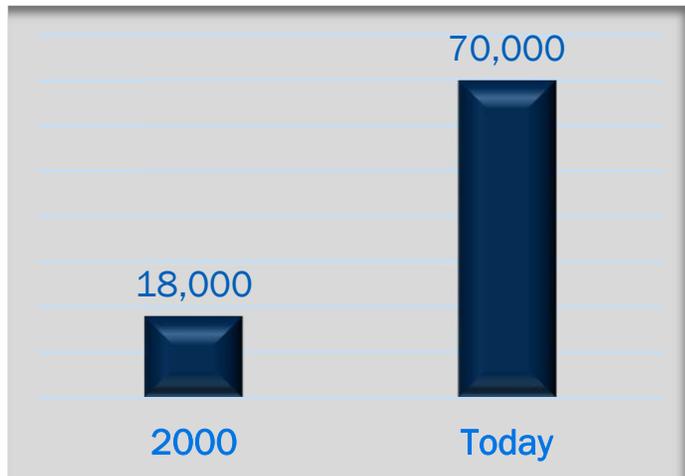


What we do:

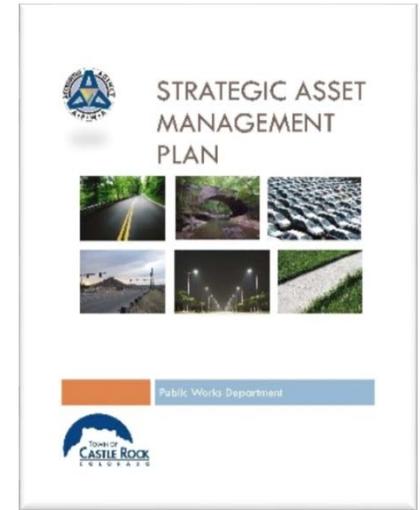
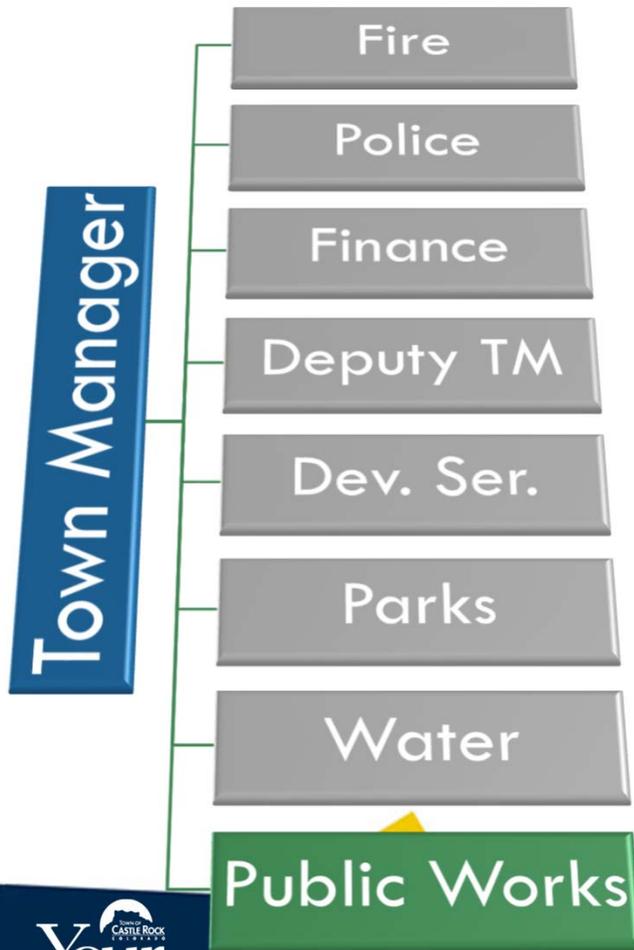
# Council & Commission Relationship



# Transportation Assets



# Transportation Assets



**POLICY PRINCIPLE:** The total life cycle cost of physical assets shall be understood and managed in a manner to minimize this cost.

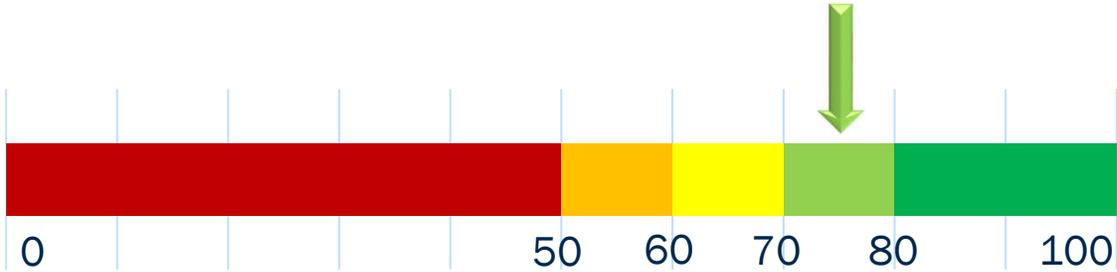
# Performance



# Performance



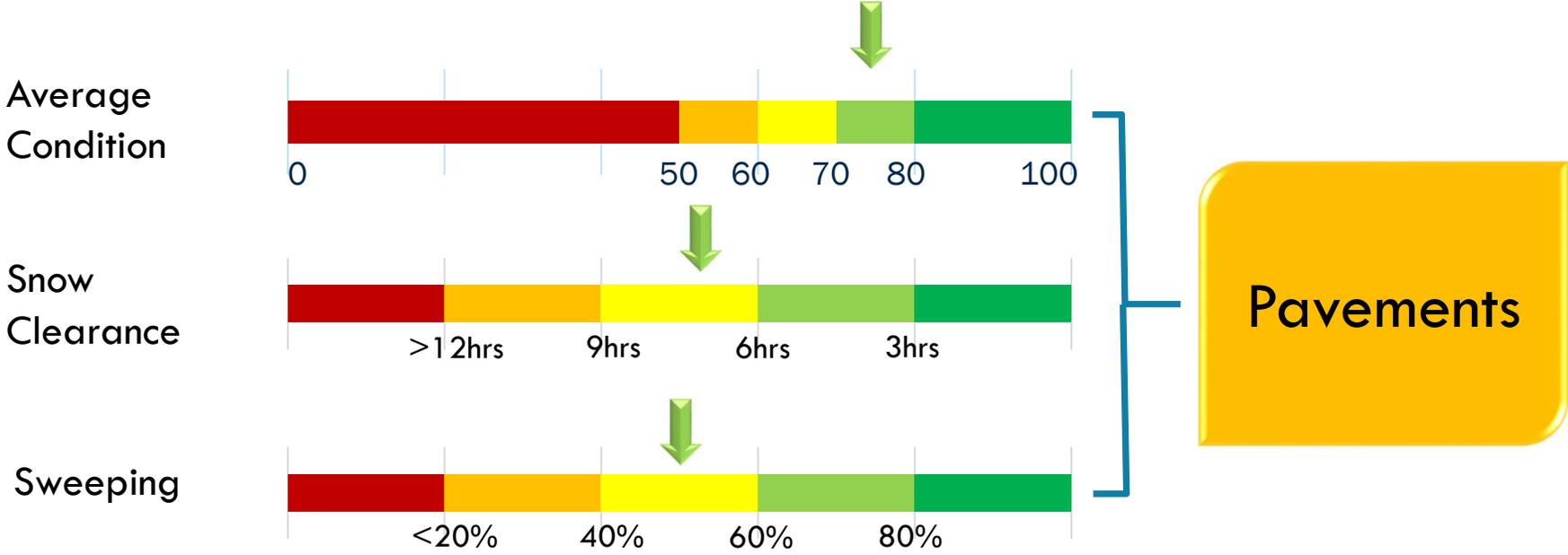
■ 1-Star ■ 2-Stars ■ 3-Stars ■ 4-Stars ■ 5-Stars



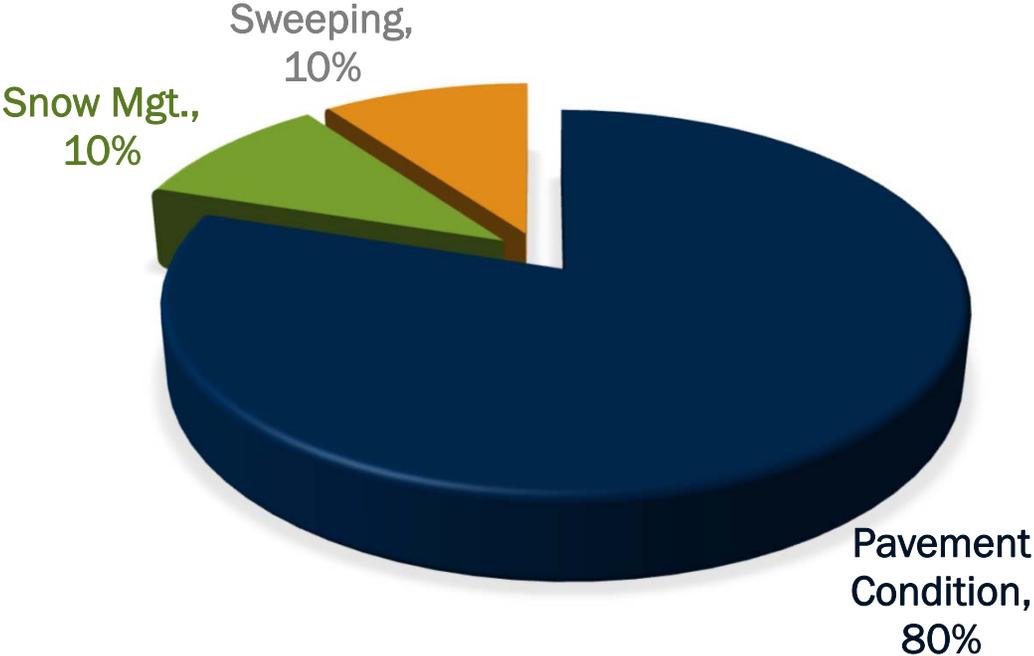
# Performance



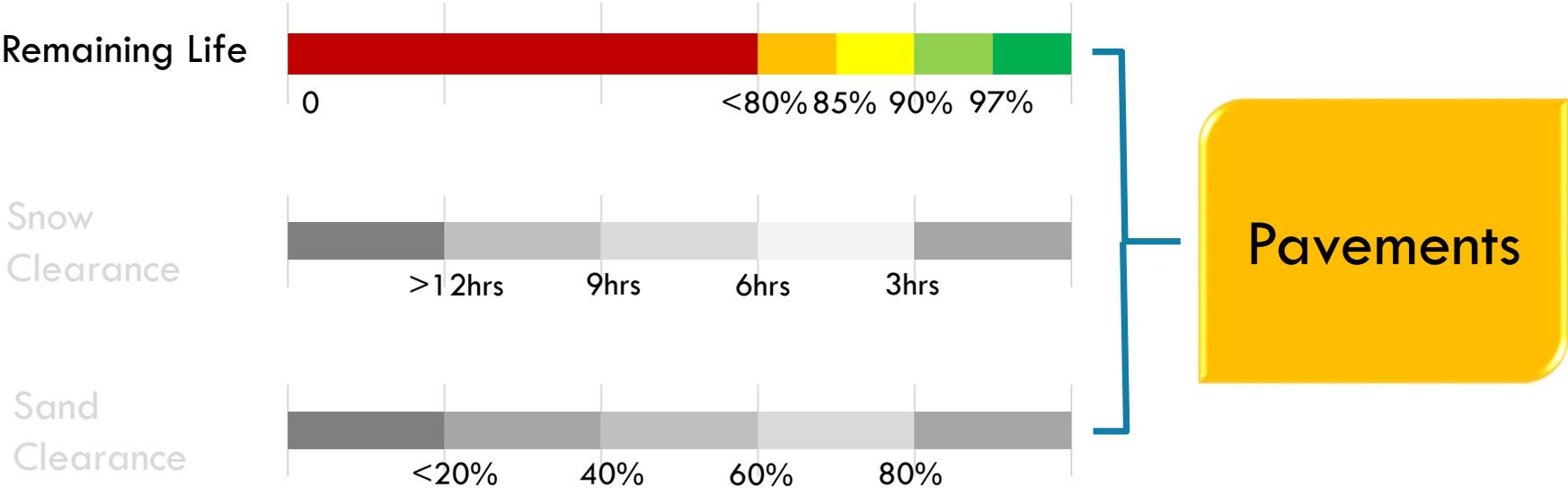
# Performance



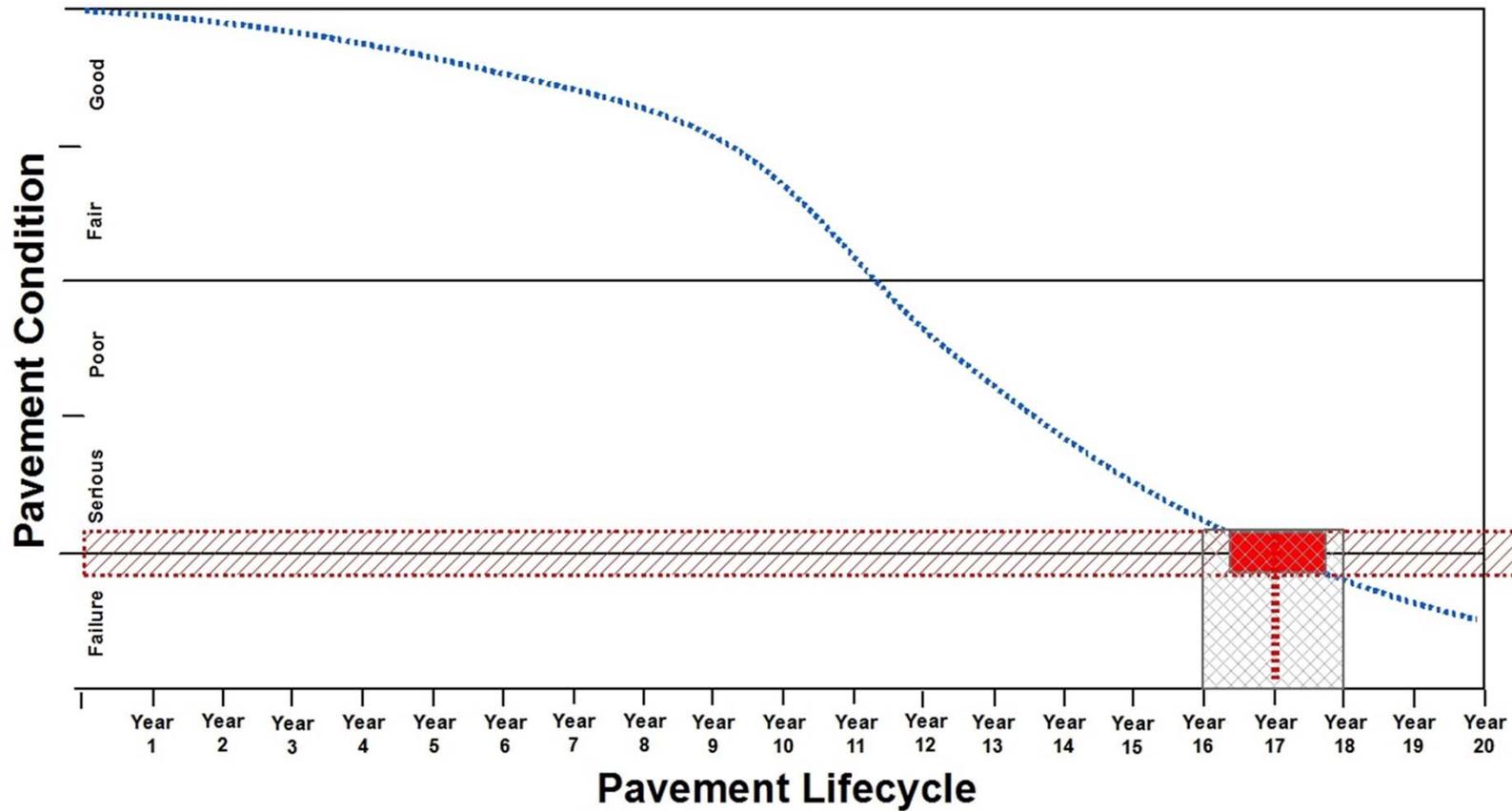
# Performance



# Performance



# Pavement Reconstruction

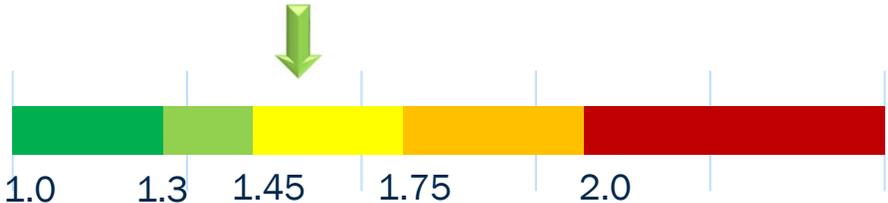




# Signal Performance $TTI = \text{Time/Free Flow}$

# Performance

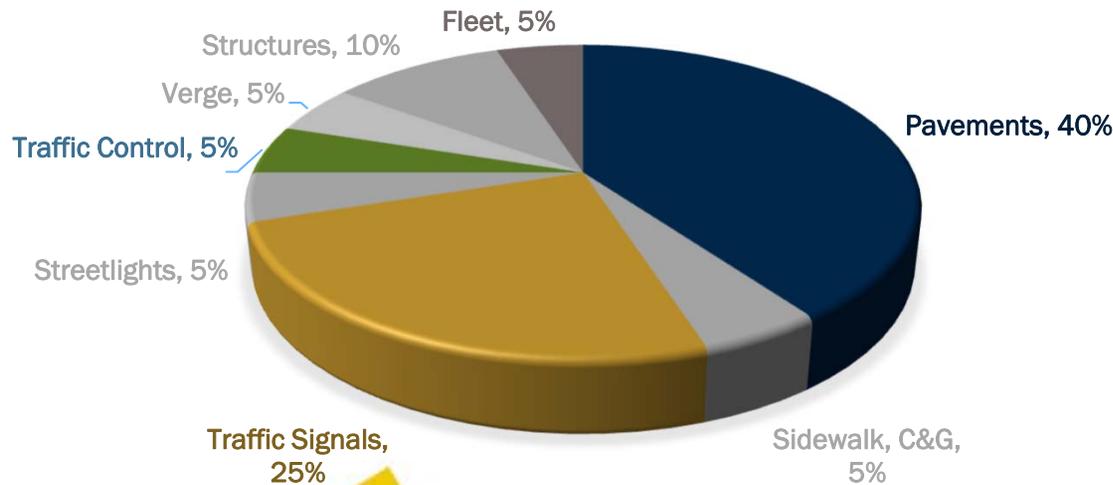
Travel Time Index



# Asset Performance



■ 1-Star ■ 2-Stars ■ 3-Stars ■ 4-Stars ■ 5-Stars



# Asset Performance

<http://www.crgov.com/DocumentCenter/View/19411/2018-Report-Card?bidId=>

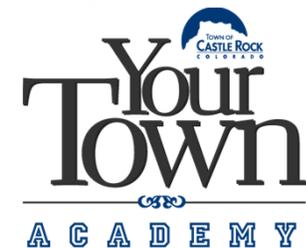
2018

Transportation Infrastructure Report Card

Public Works Department  
Town of Castle Rock  
8/1/2018

Public Works Department  
**Tour Time**

October 2019



# Traffic Signal System Management

CentraCS - Ryan Germeroth (Default)

File View Monitoring Control Configuration Management Reports Window Help

Entity Tree x

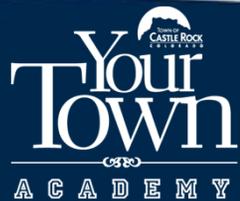
Search tree...

- System Castle Rock, CO CentraCS@AIMS
  - Section Front St
  - Section Meadows Pkwy
  - Section Plum Creek Pkwy**
  - Section Wolfensberger Rd
  - Section 5th St
  - Section Isolated Signals
  - Section Meadows Blvd
  - Section Factory Shops
  - Section North Meadows

Map Viewer x

Device Status x

System	Name	Description	Type	General Status	Communications	Alerts
Local	000 - Virtual 1 @ Service Center	Cobalt @ 10.50.60.28	TOD/1	100.0 %	0	
Local	001 - Wolfensberger Rd @ Prairie Hawk Dr	Cobalt @ 10.50.60.60	STBY/2	100.0 %	0	
Local	002 - Wolfensberger Rd @ Park St	Cobalt @ 10.50.60.59	STBY/2	100.0 %	0	
Local	010 - Wolfensberger Rd @ Caprice Dr	Cobalt @ 10.50.60.58	STBY/2	100.0 %	0	
Local	012 - Plum Creek Pkwy @ Perry St	Cobalt @ 10.50.70.50	TOD/2	100.0 %	0	
Local	013 - Plum Creek Pkwy @ Plum Creek Blvd	Cobalt @ 10.50.70.52	STBY/2	100.0 %	2	
Local	020 - Meadows Pkwy @ Meadows Blvd	Cobalt @ 10.50.80.52	STBY/2	100.0 %	0	
Local	021 - Meadows Blvd @ N Meadows Dr	Cobalt @ 10.50.80.55	STBY/FREE	100.0 %	0	
Local	022 - Meadows Blvd @ Fall Mist Way	Cobalt @ 10.50.80.54	STBY/FREE	100.0 %	0	
Local	023 - N Meadows Dr @ Butterfield Crossing	Cobalt @ 10.50.80.56	STBY/FREE	100.0 %	0	
Local	024 - Meadows Pkwy @ Limelight Ave	Cobalt @ 10.50.80.51	STBY/4	100.0 %	0	
Local	025 - Meadows Blvd @ Sabercat Way	Cobalt @ 10.50.80.53	STBY/FREE	100.0 %	0	
Local	026 - Meadows Pkwy @ Coschline Rd	Cobalt @ 10.50.80.50	STBY/FREE	100.0 %	0	
Local	035 - Plum Creek Pkwy @ Wilcox St	Cobalt @ 10.50.70.51	STBY/2	100.0 %	0	
Local	036 - Plum Creek Pkwy @ S Gilbert St	Cobalt @ 10.50.70.56	TOD/FREE	100.0 %	0	
Local	040 - 5th St @ Woodlands Blvd	Cobalt @ 10.50.60.65	STBY/FREE	100.0 %	0	
Local	050 - Wilcox St @ 5th St	Cobalt @ 10.50.60.52	STBY/2	100.0 %	0	
Local	051 - 5th St @ Perry St	Cobalt @ 10.50.60.53	STBY/2	100.0 %	0	
Local	052 - 5th St @ Front St	Cobalt @ 10.50.60.21	STBY/FREE	100.0 %	0	
Local	053 - Wilcox St @ 3rd St	Cobalt @ 10.50.60.61	STBY/2	100.0 %	0	
Local	054 - Wilcox St @ 6th St	Cobalt @ 10.50.60.62	STBY/2	100.0 %	0	
Local	055 - 5th St @ Gilbert St	Cobalt @ 10.50.60.50	STBY/2	100.0 %	0	
Local	061 - Front St @ Douglas County HS	Cobalt @ 10.50.60.55	STBY/FREE	100.0 %	0	
Local	062 - Front St @ Liggett Rd	Cobalt @ 10.50.60.54	STBY/FREE	100.0 %	0	
Local	063 - Front St @ Blackfeather Trail	Cobalt @ 10.50.60.56	STBY/FREE	100.0 %	0	
Local	064 - Front St @ Scott Blvd	Cobalt @ 10.50.60.63	STBY/FREE	100.0 %	0	
Local	065 - Front St @ Sam Walton Ln	Cobalt @ 10.50.60.57	STBY/FREE	100.0 %	0	
Local	080 - Plum Creek Pkwy @ I-25 NB	Cobalt @ 10.50.70.54	TOD/1	100.0 %	0	
Local	083 - Plum Creek Pkwy @ I-25 SB	Cobalt @ 10.50.70.53	STBY/2	100.0 %	0	
Local	089 - Castle Rock Pkwy @ Castlegate Dr W	Cobalt @ 10.50.80.89	TOD/FREE	100.0 %	0	
Local	090 - Castle Rock Pkwy @ SH-65	Cobalt @ 10.50.80.90	TOD/FREE	100.0 %	0	
Local	091 - Ridge Road @ 750 N Ridge Rd	Cobalt @ 10.50.70.55	STBY/FREE	100.0 %	0	
Local	092 - Factory Shops @ Promenade Pkwy	Cobalt @ 10.50.80.92	TOD/FREE	100.0 %	0	
Local	093 - Factory Shops Blvd @ Outlet Access	Cobalt @ 10.50.80.93	TOD/FREE	100.0 %	0	
Local	094 - Factory Shops @ New Memphis Ct	Cobalt @ 10.50.80.57	STBY/5	100.0 %	0	
Local	095 - Prairie Hawk Dr @ Fire Station 154	Cobalt @ OFFLINE	Offline	?	0	



# Traffic Signal System Management

Centracs - Ryan Germeroth (Default)

File View Monitoring Control Configuration Management Reports Window Help

Entity Tree X

Search tree...

- System Castle Rock, CO
  - Section Front St
  - Section Meadows Pkwy
  - Section Plum Creek Pkwy
  - Section Wolfensberger Rd
  - Section 5th St
    - Signal 051 - 5th St @ Perry St  
Cobalt @ 10.50.00.53
    - Signal 052 - 5th St @ Front St  
Cobalt @ 10.50.00.21
    - Signal 053 - Wilcox St @ 3rd St  
Cobalt @ 10.50.00.81
    - Signal 055 - 5th St @ Gilbert St  
Cobalt @ 10.50.00.50
    - Signal 040 - 5th St @ Woodlands Blvd  
Cobalt @ 10.50.00.05
    - Signal 054 - Wilcox St @ 6th St  
Cobalt @ 10.50.00.82
    - Signal 050 - Wilcox St @ 5th St  
Cobalt @ 10.50.00.52
  - Section Isolated Signals
  - Section Meadows Blvd
  - Section Factory Shops
  - Section North Meadows

Map Viewer X

Device Status X

System	Name	Description	Type	General Status	Communications	Alerts
Local	000 - Virtual 1 @ Service Center	Cobalt @ 10.50.60.28	TOD/1	100.0 %	0	
Local	001 - Wolfensberger Rd @ Prairie Hawk Dr	Cobalt @ 10.50.60.60	STBY/2	100.0 %	0	
Local	002 - Wolfensberger Rd @ Park St	Cobalt @ 10.50.60.59	STBY/2	100.0 %	0	
Local	010 - Wolfensberger Rd @ Caprice Dr	Cobalt @ 10.50.60.58	STBY/2	100.0 %	0	
Local	012 - Plum Creek Pkwy @ Perry St	Cobalt @ 10.50.70.50	TOD/2	100.0 %	0	
Local	013 - Plum Creek Pkwy @ Plum Creek Blvd	Cobalt @ 10.50.70.52	STBY/2	100.0 %	2	
Local	020 - Meadows Pkwy @ Meadows Blvd	Cobalt @ 10.50.80.52	STBY/2	100.0 %	0	
Local	021 - Meadows Blvd @ N Meadows Dr	Cobalt @ 10.50.80.55	STBY/FREE	100.0 %	0	
Local	022 - Meadows Blvd @ Fell Mist Way	Cobalt @ 10.50.80.54	STBY/FREE	100.0 %	0	
Local	023 - N Meadows Dr @ Butterfield Crossing	Cobalt @ 10.50.80.56	STBY/FREE	100.0 %	0	
Local	024 - Meadows Pkwy @ Limelight Ave	Cobalt @ 10.50.80.51	STBY/4	100.0 %	0	
Local	025 - Meadows Blvd @ Sabercat Way	Cobalt @ 10.50.80.53	STBY/FREE	100.0 %	0	
Local	026 - Meadows Pkwy @ Coschline Rd	Cobalt @ 10.50.80.50	STBY/FREE	100.0 %	0	
Local	035 - Plum Creek Pkwy @ Wilcox St	Cobalt @ 10.50.70.51	STBY/2	100.0 %	0	
Local	036 - Plum Creek Pkwy @ S Gilbert St	Cobalt @ 10.50.70.56	TOD/FREE	100.0 %	0	
Local	040 - 5th St @ Woodlands Blvd	Cobalt @ 10.50.60.05	STBY/FREE	100.0 %	0	
Local	050 - Wilcox St @ 5th St	Cobalt @ 10.50.60.52	STBY/2	100.0 %	0	
Local	051 - 5th St @ Perry St	Cobalt @ 10.50.60.53	STBY/FREE	100.0 %	0	
Local	052 - 5th St @ Front St	Cobalt @ 10.50.60.21	STBY/FREE	100.0 %	0	
Local	053 - Wilcox St @ 3rd St	Cobalt @ 10.50.60.61	STBY/2	100.0 %	0	
Local	054 - Wilcox St @ 6th St	Cobalt @ 10.50.60.62	STBY/2	100.0 %	0	
Local	055 - 5th St @ Gilbert St	Cobalt @ 10.50.60.50	STBY/2	100.0 %	0	
Local	061 - Front St @ Douglas County HS	Cobalt @ 10.50.60.55	STBY/FREE	100.0 %	0	
Local	062 - Front St @ Liggett Rd	Cobalt @ 10.50.60.54	STBY/FREE	100.0 %	0	
Local	063 - Front St @ Blackfeather Trail	Cobalt @ 10.50.60.56	STBY/FREE	100.0 %	0	
Local	064 - Front St @ Scott Blvd	Cobalt @ 10.50.60.63	STBY/FREE	100.0 %	0	
Local	065 - Front St @ Sam Walton Ln	Cobalt @ 10.50.60.57	STBY/FREE	100.0 %	0	
Local	080 - Plum Creek Pkwy @ I-25 NB	Cobalt @ 10.50.70.54	TOD/1	100.0 %	0	
Local	083 - Plum Creek Pkwy @ I-25 SB	Cobalt @ 10.50.70.53	STBY/2	100.0 %	0	
Local	089 - Castle Rock Pkwy @ Castlegate Dr W	Cobalt @ 10.50.80.89	TOD/FREE	100.0 %	0	
Local	090 - Castle Rock Pkwy @ SH-85	Cobalt @ 10.50.80.90	TOD/FREE	100.0 %	0	
Local	091 - Ridge Road @ 750 N Ridge Rd	Cobalt @ 10.50.70.55	STBY/FREE	100.0 %	0	
Local	092 - Factory Shops @ Promenade Pkwy	Cobalt @ 10.50.80.92	TOD/FREE	100.0 %	0	
Local	093 - Factory Shops Blvd @ Outlet Access	Cobalt @ 10.50.80.93	TOD/FREE	100.0 %	0	
Local	094 - Factory Shops @ New Memphis Ct	Cobalt @ 10.50.80.57	STBY/5	100.0 %	0	
Local	095 - Prairie Hawk Dr @ Fire Station 154	Cobalt @ OFFLINE	Offline	?	0	

# Traffic Signal System Management

CentraCS - Ryan Germeroth (Default)

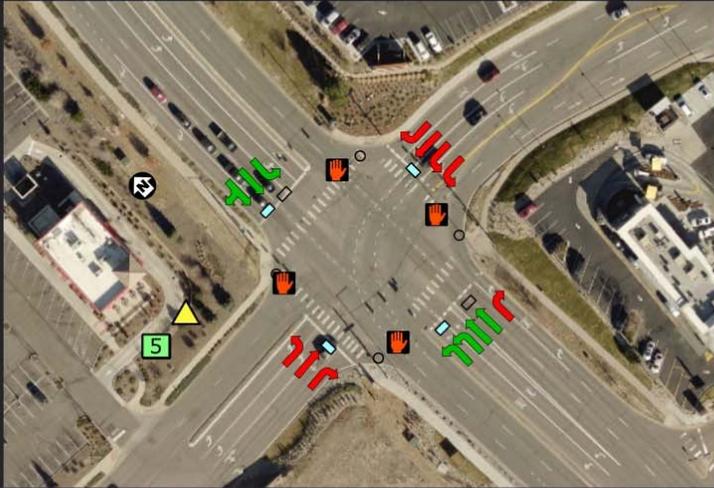
File View Monitoring Control Configuration Management Reports Window Help

Entity Tree x

Search tree

- System: Castle Rock, CO
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- Section Meadows Pkwy
- Section Plum Creek Pkwy**
- Section Wolfensberger Rd
- Section 5th St
  - Signal 051 - 5th St @ Perry St
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  - Signal 053 - Wilcox St @ 3rd St
  - Signal 055 - 5th St @ Gilbert St
  - Signal 040 - 5th St @ Woodlands Blvd
  - Signal 054 - Wilcox St @ 6th St
  - Signal 050 - Wilcox St @ 5th St
- Section Isolated Signals
- Section Meadows Blvd
- Section Factory Shops
- Section North Meadows

094 - Factory Shops @ New Memphis Ct - Cobalt @ 10.50.80.57 (Cobalt) - Sec:Factory Shops



Mode / Pattern	Coordination		Time	Preempt	Alarms											
Desired NON/NON	Current STBY/5	Actual Cycle 65 Offset 90	Prog 110 90	Last Error: 1s	1											
Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Actual	8G	19	20F	14G	16	4	18G									
Prog	16	32	22	16	32	40										
On	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○
Ped Call	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ped Call Next	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Overlap	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Time On	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○
Ped	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Unit control is in standby Alarm State 01 - ON												Ring 1: Green Rest Ring 2: Min Green		Comms 100.0%		

Device Status x

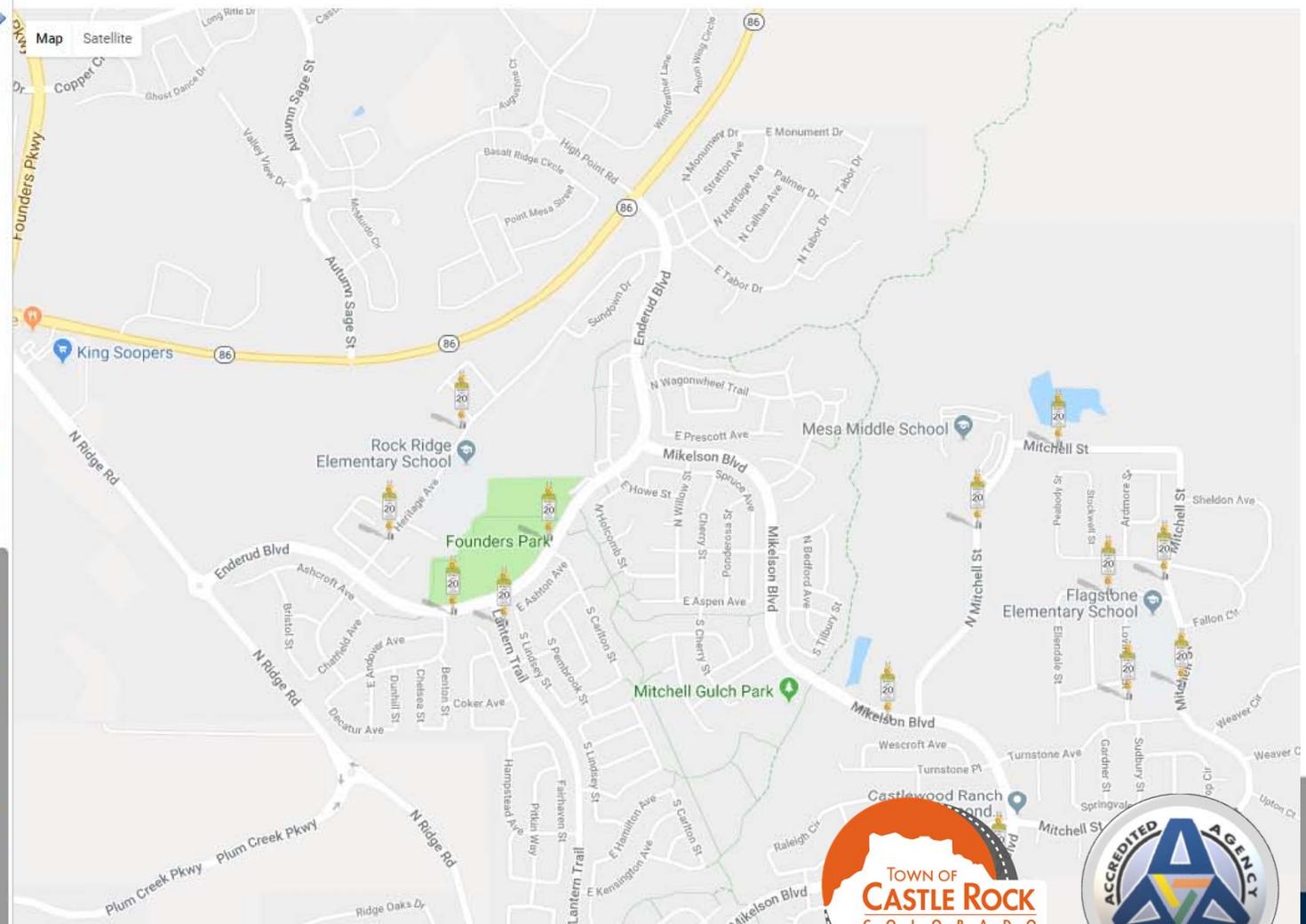
System	Name	Description	Type	General Status	Communications	Alarms
Local	000 - Virtual 1 @ Service Center	Cobalt @ 10.50.60.28	TOD/1	TOD/1	100.0 %	0
Local	001 - Wolfensberger Rd @ Prairie Hawk Dr	Cobalt @ 10.50.60.60	STBY/2	STBY/2	100.0 %	0
Local	002 - Wolfensberger Rd @ Park St	Cobalt @ 10.50.60.59	STBY/2	STBY/2	100.0 %	0
Local	010 - Wolfensberger Rd @ Caprice Dr	Cobalt @ 10.50.60.58	STBY/2	STBY/2	100.0 %	0
Local	012 - Plum Creek Pkwy @ Perry St	Cobalt @ 10.50.70.50	TOD/2	TOD/2	100.0 %	0
Local	013 - Plum Creek Pkwy @ Plum Creek Blvd	Cobalt @ 10.50.70.52	STBY/2	STBY/2	100.0 %	0
Local	020 - Meadows Pkwy @ Meadows Blvd	Cobalt @ 10.50.80.52	STBY/2	STBY/2	100.0 %	0
Local	021 - Meadows Blvd @ N Meadows Dr	Cobalt @ 10.50.80.55	STBY/FREE	STBY/FREE	100.0 %	0
Local	022 - Meadows Blvd @ Fell Mist Way	Cobalt @ 10.50.80.54	STBY/FREE	STBY/FREE	100.0 %	0
Local	023 - N Meadows Dr @ Butterfield Crossing	Cobalt @ 10.50.80.56	STBY/FREE	STBY/FREE	100.0 %	0
Local	024 - Meadows Pkwy @ Limelight Ave	Cobalt @ 10.50.80.51	STBY/4	STBY/4	100.0 %	0
Local	025 - Meadows Blvd @ Sabercat Way	Cobalt @ 10.50.80.53	STBY/FREE	STBY/FREE	100.0 %	0
Local	026 - Meadows Pkwy @ Coachline Rd	Cobalt @ 10.50.80.50	STBY/FREE	STBY/FREE	100.0 %	0
Local	035 - Plum Creek Pkwy @ Wilcox St	Cobalt @ 10.50.70.51	STBY/2	STBY/2	100.0 %	0
Local	036 - Plum Creek Pkwy @ S Gilbert St	Cobalt @ 10.50.70.56	TOD/FREE	TOD/FREE	100.0 %	0
Local	040 - 5th St @ Woodlands Blvd	Cobalt @ 10.50.60.65	STBY/FREE	STBY/FREE	100.0 %	0
Local	050 - Wilcox St @ 5th St	Cobalt @ 10.50.60.52	STBY/2	STBY/2	100.0 %	0
Local	051 - 5th St @ Perry St	Cobalt @ 10.50.60.53	STBY/2	STBY/2	100.0 %	0
Local	052 - 5th St @ Front St	Cobalt @ 10.50.60.21	STBY/FREE	STBY/FREE	100.0 %	0
Local	053 - Wilcox St @ 3rd St	Cobalt @ 10.50.60.61	STBY/2	STBY/2	100.0 %	0
Local	054 - Wilcox St @ 6th St	Cobalt @ 10.50.60.62	STBY/2	STBY/2	100.0 %	0
Local	055 - 5th St @ Gilbert St	Cobalt @ 10.50.60.50	STBY/2	STBY/2	100.0 %	0
Local	061 - Front St @ Douglas County HS	Cobalt @ 10.50.60.55	STBY/FREE	STBY/FREE	100.0 %	0
Local	062 - Front St @ Liggett Rd	Cobalt @ 10.50.60.54	STBY/FREE	STBY/FREE	100.0 %	0
Local	063 - Front St @ Blackfeather Trail	Cobalt @ 10.50.60.56	STBY/FREE	STBY/FREE	100.0 %	0
Local	064 - Front St @ Scott Blvd	Cobalt @ 10.50.60.63	STBY/FREE	STBY/FREE	100.0 %	0
Local	065 - Front St @ Sam Walton Ln	Cobalt @ 10.50.60.57	STBY/FREE	STBY/FREE	100.0 %	0
Local	080 - Plum Creek Pkwy @ I-25 NB	Cobalt @ 10.50.70.54	TOD/1	TOD/1	100.0 %	0
Local	083 - Plum Creek Pkwy @ I-25 SB	Cobalt @ 10.50.70.53	STBY/2	STBY/2	100.0 %	0
Local	089 - Castle Rock Pkwy @ Castlegate Dr W	Cobalt @ 10.50.80.89	TOD/FREE	TOD/FREE	100.0 %	0
Local	090 - Castle Rock Pkwy @ SH-85	Cobalt @ 10.50.80.90	TOD/FREE	TOD/FREE	100.0 %	0
Local	091 - Ridge Road @ 750 N Ridge Rd	Cobalt @ 10.50.70.55	STBY/FREE	STBY/FREE	100.0 %	0
Local	092 - Factory Shops @ Promenade Pkwy	Cobalt @ 10.50.80.92	TOD/FREE	TOD/FREE	100.0 %	0
Local	093 - Factory Shops Blvd @ Outlet Access	Cobalt @ 10.50.80.93	TOD/FREE	TOD/FREE	100.0 %	0
Local	094 - Factory Shops @ New Memphis Ct	Cobalt @ 10.50.80.57	STBY/5	STBY/5	100.0 %	0
Local	095 - Prairie Hawk Dr @ Fire Station 154	Cobalt @ OFFLINE	Offline	Offline	?	0

# School Beacon System Management

glance

Megan Bednar - Castle Rock CO

Search		
Btrfid_Crsing_WB	Online	0
RoseCrown_SB	Online	0
<b>Castle Rock Douglas Cty SD - Mesa Middle</b>		
Mitchell_ST_WB	Online	0
N_Mitchell_St_NB_2	Online	0
<b>Castle Rock Douglas Cty SD - Mesa Middle_ Flag stone Elem</b>		
Mikelson_Blvd_EB	Online	0
Mikelson_Blvd_NB	Online	0
<b>Castle Rock Douglas Cty SD - Renaissance Magnet</b>		
Blick_Fthr_Trl_EB	Online	0
Blick_Fthr_Trl_WB	Online	0
Trail_Boss_DR_EB	Online	0
Trail_Boss_LN_NB	Online	0
Woodinds_BLVD_NB	Online	0
Woodinds_BLVD_SB	Online	0
<b>Castle Rock Douglas Cty SD - Rock Ridge Elem</b>		
Enderud_EB	Online	0
Enderud_WB	Online	0
Heritage_NB	Online	0
Heritage_SB_2	Online	0
Lantern_Trail_NB	Online	0
<b>Castle Rock Douglas Cty SD - Sage Canyon Elem</b>		
Autum_Sage_NB_2	Online	0
Autumn_Sage_SB	Online	0
Desert_Crest_SB	Online	0
<b>Castle Rock Douglas Cty SD - Soaring Hawk Elem</b>		
FootHills_NB	Online	0



# School Beacon System Management

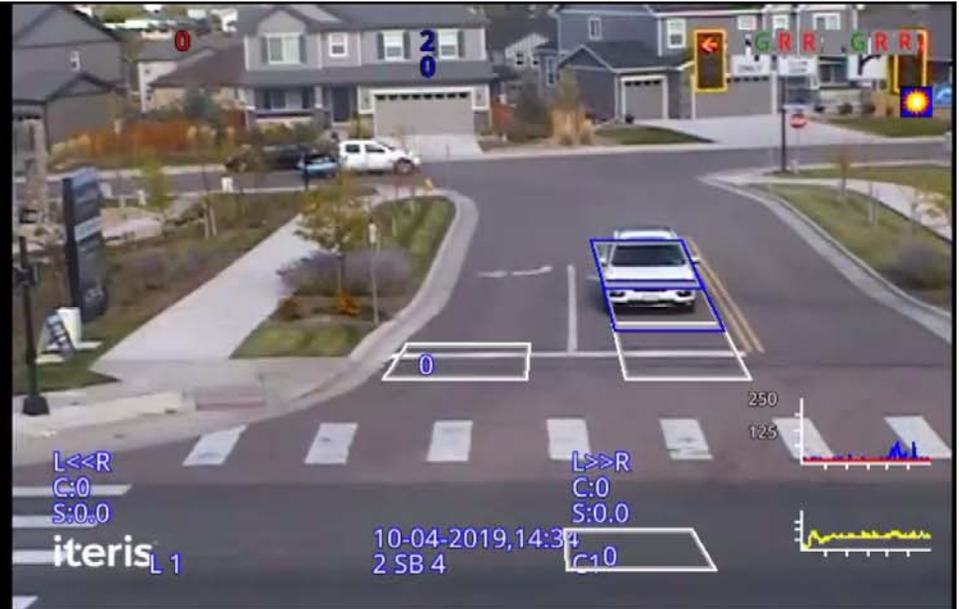
## Beacon Health Report for Castle Rock CO

12 September, 2018 06:15 AM

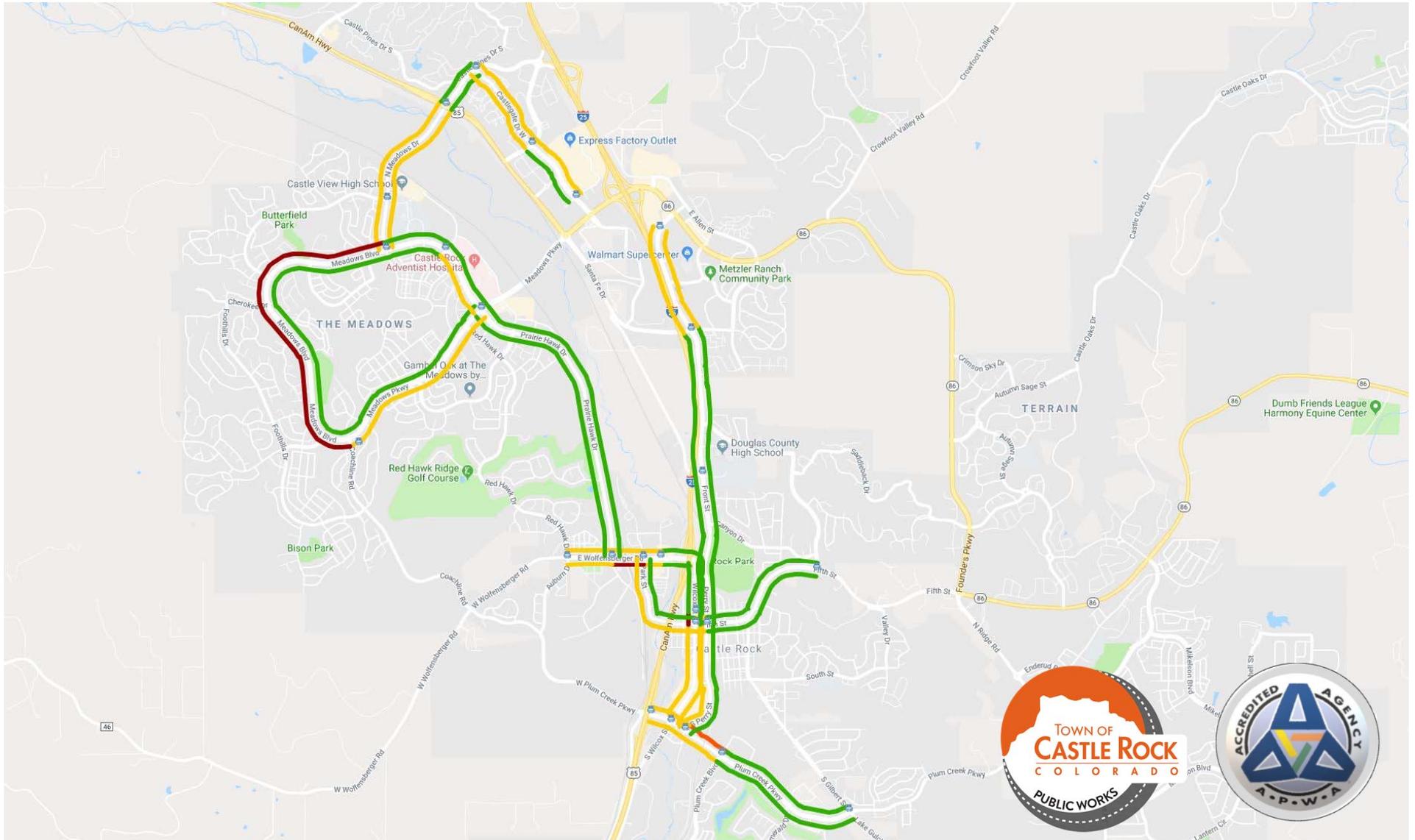
BUSINESS	DEVICE	SYSTEM VOLTAGE (AVG)			SOLAR ARRAY VOLT (AVG)			AC VOLTAGE			MONITOR BATTERY		LAMP	CELL SIGNAL	Comm Reliability %
		MIN	MAX	STATE	MIN	MAX	STATE	MIN	MAX	STATE	MIN	MAX			
<b>Castle Rock CO: Apex Community</b>															
ONLINE	Celestial_Ave_EB (8125)	12.62	13.76	GOOD	0.20	21.60	GOOD				10.90	12.23	OK	-93	100%
ONLINE	Celestial_Ave_WB (8126)	12.66	13.83	GOOD	0.00	21.40	GOOD				11.87	12.22	OK	-93	100%
ONLINE	Freelark_St_NB (8122)	12.63	13.82	GOOD	0.00	21.28	GOOD				11.77	12.07	OK	-86	100%
ONLINE	Freelark_St_SB (8121)	12.68	13.92	GOOD	0.00	21.45	GOOD				11.81	12.16	1 LAMP OUT	-86	100%
<b>Castle Rock CO: World Compass Academy</b>															
ONLINE	A_Wilcox_NB (8182)	12.61	13.89	GOOD	2.93	21.37	GOOD				11.84	12.25	OK	-95	100%
ONLINE	A_Wilcox_SB (8181)	12.57	13.83	GOOD	0.00	21.37	GOOD				11.75	12.18	OK	-93	100%
<b>Castle Rock CO: ZSpares Castle Rock</b>															
OFFLINE	RMA_1096 (2838)													-77	0%
OFFLINE	Spare_2 (5502)													-95	0%
OFFLINE	Tanglevine_WB (2836)													-81	0%
<b>Castle Rock Douglas Cty SD: Aspen View Academy</b>															
ONLINE	Low_Mdow_Blvd_EB (2844)	12.27	13.69	GOOD	0.00	21.04	GOOD				10.43	12.04	OK	-73	100%
ONLINE	Low_Mdow_Blvd_SB (2843)	12.52	13.70	GOOD	0.00	20.76	GOOD				10.81	12.08	OK	-93	78%
<b>Castle Rock Douglas Cty SD: Castle Rock Elem</b>															
ONLINE	Canyon_DR_WB_2 (5497)	12.22	13.69	GOOD	0.00	19.04	GOOD				11.67	11.98	OK	-75	100%
ONLINE	Canyon_Dr_EB (2870)	12.34	13.64	GOOD	0.00	18.26	GOOD				10.44	12.13	OK	-105	81%
ONLINE	Oakwood_DR_SB_2 (5498)	12.55	13.76	GOOD	0.00	18.86	GOOD				11.77	12.19	OK	-89	100%
ONLINE	Oakwood_Dr_NB (2874)	12.37	13.76	GOOD	0.00	19.04	GOOD				11.61	12.01	OK	-73	100%
<b>Castle Rock Douglas Cty SD: Castle Rock Middle</b>															
ONLINE	Meadows_Blvd_EB (2842)	12.43	14.06	GOOD	0.00	18.98	GOOD				9.86		OK	-87	
ONLINE	Meadows_Blvd_WB (2841)	12.32	13.80	GOOD	0.00	19.42	GOOD				11.81		OK	-87	
<b>Castle Rock Douglas Cty SD: Clear Sky Elem</b>															
ONLINE	Clear_Sky_Way_NB (2831)	12.24	13.68	GOOD	0.00	20.25	GOOD								



# Remote Vehicle Detection Monitoring



# Arterial Travel Time Monitoring



CT http://74.63.191.154/castlerockcompassrac6/ CR Map - Snow Removal gisags1 CT CompassTrac

File Edit View Favorites Tools Help

Real Property - Douglas C... Interface Microsoft Best of the Web Channel Guide Employee Appraisal Phras... Internet Start Microsoft Suggested Sites Town of Castle Rock Web Slice Gallery

# CompassTrac™

Map Tools  
Legend  
Switch Basemap  
Map Services

### LDE Connections

Check Box to Connect to LDE:

- CastleRockLDE - Auto Connect
- BMP
- PWHV
- Spares
- PRKSP\_4x4\_PLOW
- PWD\_CDL\_PLOW
- PWP\_4x4\_PLOW
- TRP\_4x4\_PLOW
- UTD\_CDL\_PLOW
- UTP\_4x4\_PLOW
- UTM

Vehicle Visibility  
Vehicle Details  
Custom Extents/Map Pins  
Breadcrumbs  
Options  
History Replay  
Edit GeoFences  
GeoFence Alerts

-104.830, 39.329  
County of Douglas, CO, Esri, HERE, Garmin, INCREMENT P, NGA, USGS esri

**Your Town Academy**

**TOWN OF CASTLE ROCK COLORADO**  
PUBLIC WORKS

ACCREDITED AGENCY  
A.P.W.A.

CT CompassTrac

File Edit View Favorites Tools Help

Real Property - Douglas C... Interface Microsoft Best of the Web Channel Guide Employee Appraisal Phras... Internet Start Microsoft Suggested Sites Town of Castle Rock Web Slice Gallery

# CompassTrac™

Map Tools  
Legend  
Switch Basemap  
Map Services  
LDE Connections  
Vehicle Visibility  
Vehicle Details  
Custom Extents/Map Pins  
Breadcrumbs  
Options

**History Replay**

- 276
- P1
- P2
- P3
- P4
- P5
- P6
- ▶  TRP\_4x4\_PLOW
  - 166
  - 170
- ▶  UTD\_CDL\_PLOW
  - 314
- ▶  UTM
  - 320
  - 342
- ▶  UTP\_4x4\_PLOW
  - 315
  - 331

Load Replay

Processed 24626 records

Edit GeoFences  
GeoFence Alerts

History Replay: April 5, 2017 06:00:00 AM GMT-06:00 Mountain Daylight Time

-104.924, 39.404

6:48 AM  
4/5/2017

# CompassTrac™

Map Tools

- Legend
- Switch Basemap
- Map Services
- LDE Connections
- Vehicle Visibility
- Vehicle Details
- Custom Extents/Map Pins
- Breadcrumbs
- Options

**History Replay**

- Spares
  - 223
  - 276
  - Temp1
  - Temp3
  - Temp4
- TRP\_4x4\_PLOW
  - 166
  - 170
- UTD\_CDL\_PLOW
  - 314
- UTM
  - 101
  - 286
  - 320
  - 342
- UTP\_4x4\_PLOW
  - 315
  - 331

Load Replay ▾

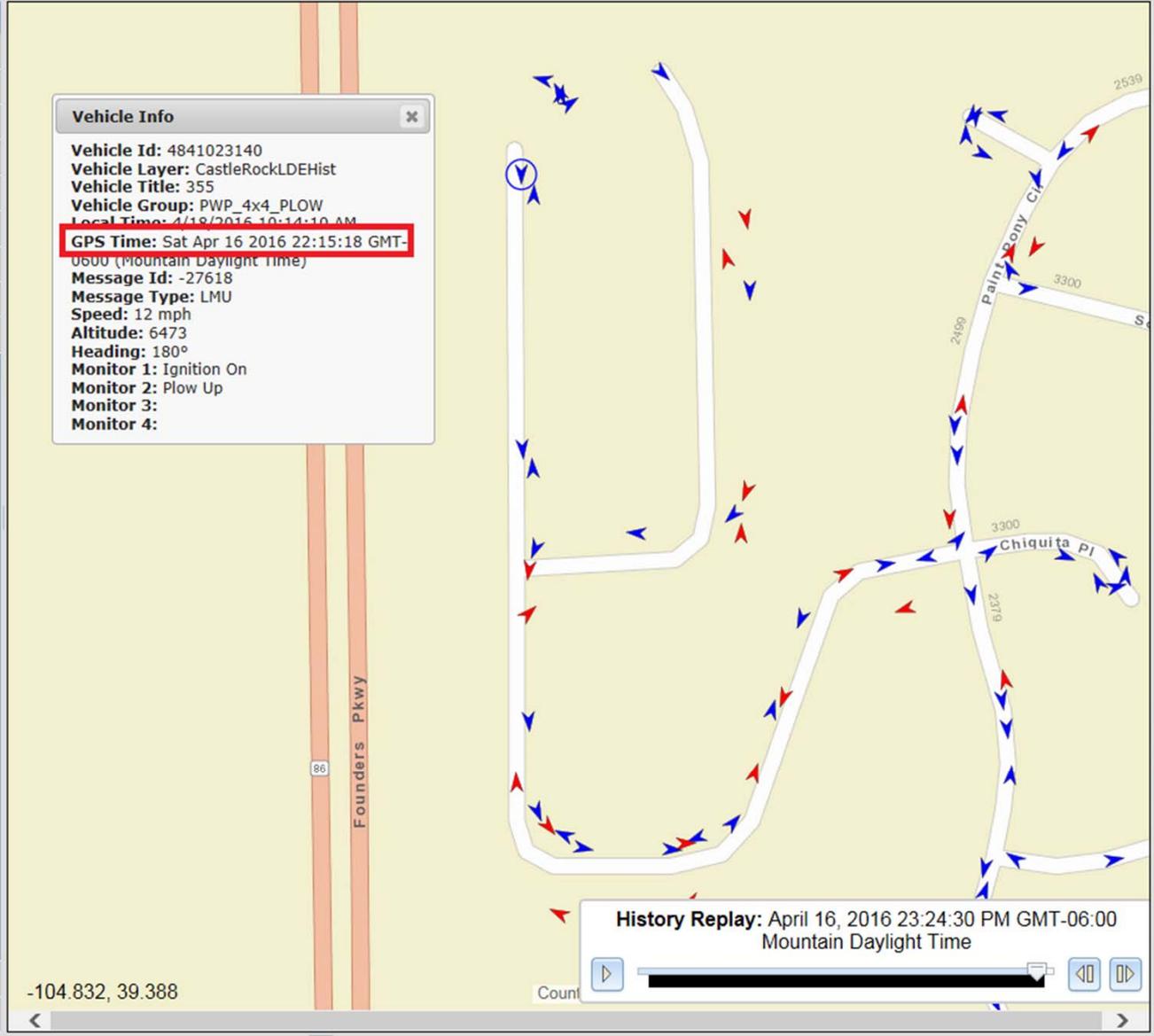
Processed 18504 records

Edit GeoFences

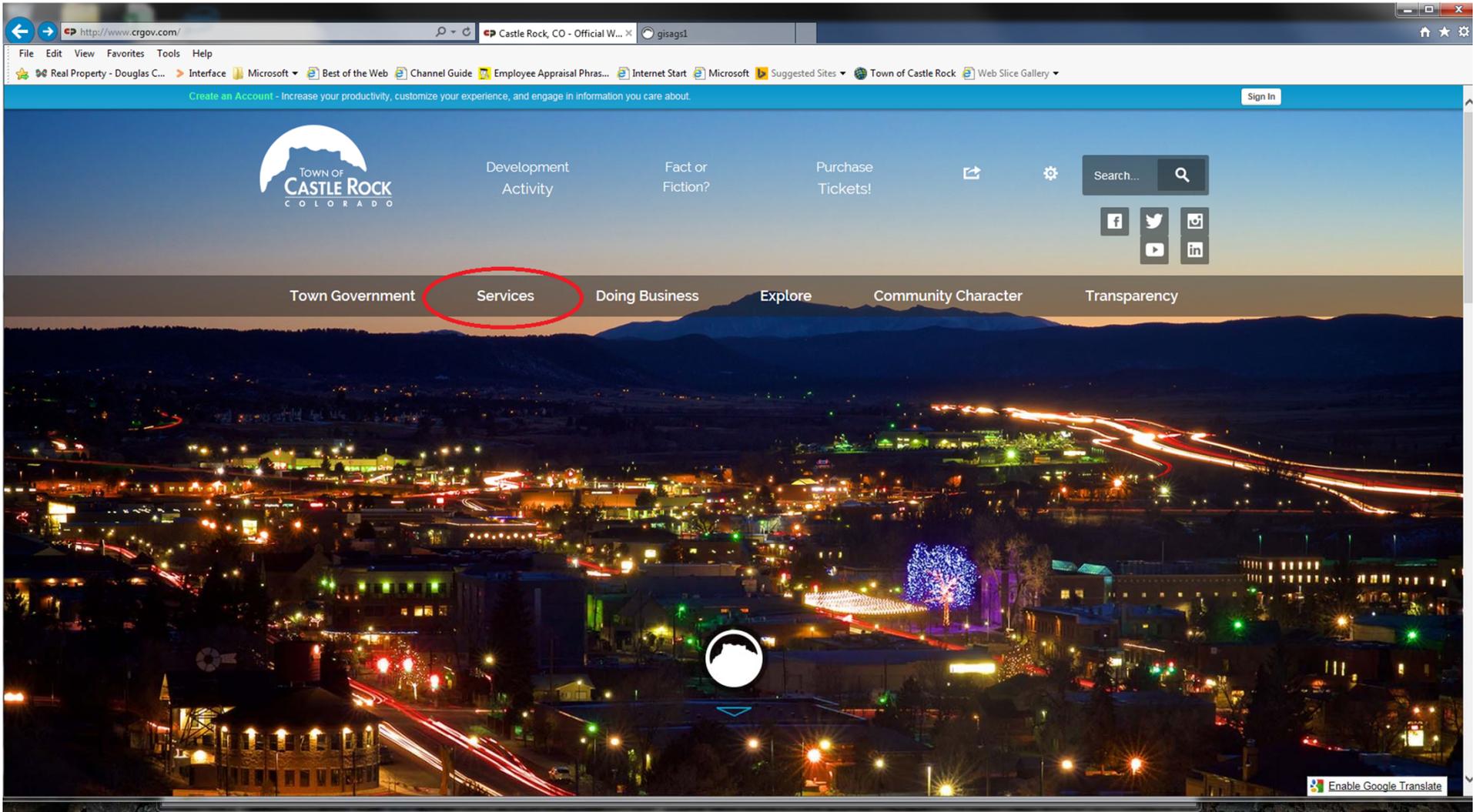
GeoFence Alerts

**Vehicle Info**

Vehicle Id: 4841023140  
 Vehicle Layer: CastleRockLDEHist  
 Vehicle Title: 355  
 Vehicle Group: PWP\_4x4\_PLOW  
 Local Time: 4/18/2016 10:14:10 AM  
**GPS Time: Sat Apr 16 2016 22:15:18 GMT-0600 (Mountain Daylight Time)**  
 Message Id: -27618  
 Message Type: LMU  
 Speed: 12 mph  
 Altitude: 6473  
 Heading: 180°  
 Monitor 1: Ignition On  
 Monitor 2: Plow Up  
 Monitor 3:  
 Monitor 4:



-104.832, 39.388



Browser: http://www.crgov.com/ Castle Rock, CO - Official W... gisags1

Navigation: Development Activity, Fact or Fiction?, Purchase Tickets!

Search: Search... [Magnifying Glass]

Social: Facebook, Twitter, Instagram, YouTube, LinkedIn

Sign In

Menu: Town Government, Services, Doing Business, Explore, Community Character, Transparency

Services List:

- Castle Rock Fire and Rescue**
  - CR Home
  - About CRFD
  - Education
  - Emergency Preparedness
  - In the Community
  - Permits
- Castle Rock Police**
  - CR Home
  - About Police
  - Community Programs
  - Crime Prevention
  - How do I?
  - Resources
- Castle Rock Water**
  - CR Home
  - Conservation
  - Customer Service/Billing
  - Long Term Water
  - Plans
  - Projects
  - Stormwater
  - Water Quality
- Finance**
  - CR Home
  - Annual Budget
  - Grants
  - Financial Reporting
  - Contract with the Town
  - Revenue/Sales Tax
  - TABOR
- Development Services**
  - CR Home
  - Annexation
  - Building
  - Planning
  - Zoning
  - Historic Preservation
  - Fee Schedule
  - URA
- Human Resources**
  - Job Openings
  - Benefits Information
- Parks and Recreation**
  - CR Home
  - Activities and Events
  - Facilities
  - Programs
  - Rentals, Fees and Rates
  - Parks
  - Open Space and Trails
- Roads**
  - CR Home
  - Forms
  - Road Maintenance**
  - Projects and Programs
  - Transportation and Traffic
- Taxi Service**
- Technology**
  - Maps (GIS)
  - Mission & Vision
- Other Services**

Video: Conservation is key  
 Conserving the community's current water supply is important in helping protect the Town's water future. On average, Castle Rock residents consume daily about 43 gallons of water less than residents in other areas. Learn tips to keep our community on the right track.

URL: http://www.crgov.com/1943/Services

Enable Google Translate

**Your Town ACADEMY**

**TOWN OF CASTLE ROCK COLORADO PUBLIC WORKS**

**ACCREDITED AGENCY A.P.W.A.**

Browser address bar: <http://www.crgov.com/1830/Road-Maintenance>

Navigation menu: CR Home, Forms, Road Maintenance, Projects and Programs, Transportation and Traffic

Search bar: Search...

Social media icons: Facebook, Twitter, Instagram, YouTube, LinkedIn

Left sidebar menu:

- Pavement Maintenance Program
- Pothole Repair
- Street Lights
- Snow Information**

Main content area:

Home > Services > Roads > Road Maintenance

## Road Maintenance

The Street Maintenance Operations is responsible for maintaining and repairing more than 600 lane miles of Town roadways.

Street Priorities Repairs

Plow Tracker

- Potholes
- Cracks
- Sinking pavement
- Utility patches

Seasonal responsibilities

Typical duties change with every season:

- Winter - Snow and ice control

Footer: <http://www.crgov.com/1835/Snow-Information> | Enable Google Translate

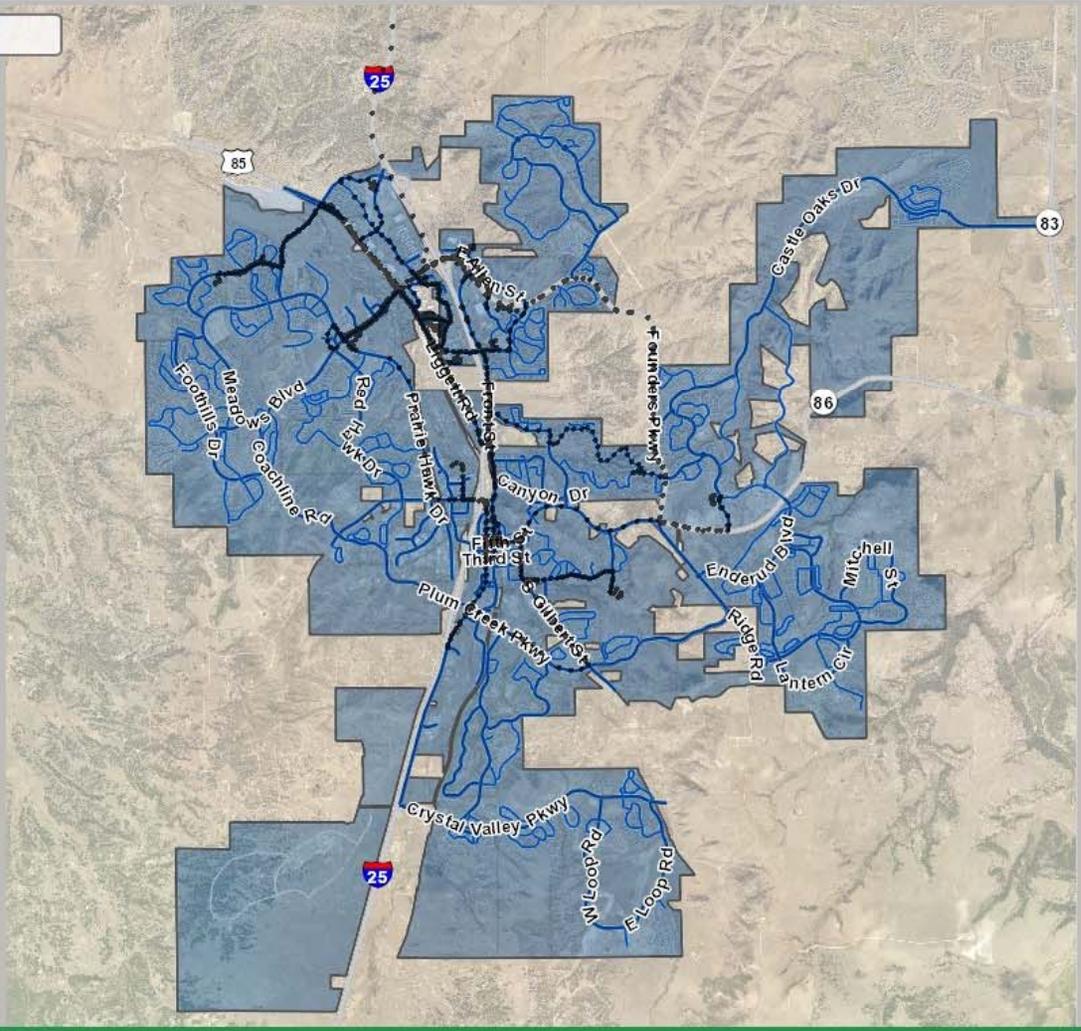




# Snow Removal



Find address



### Legend

- Snow Removal Schedule
  - Plowing Primary Streets Only
- Primary Streets
- Residential Plow Schedule
  - Plowed - May Return
  - 0 - 1 Hr
  - 1 - 4 Hrs
  - 4+ Hrs
  - No Plow Operations
- Highways - Plowed by CDOT
- Plow Tracks

[Learn more](#) about street priorities during snow



Connect With Us

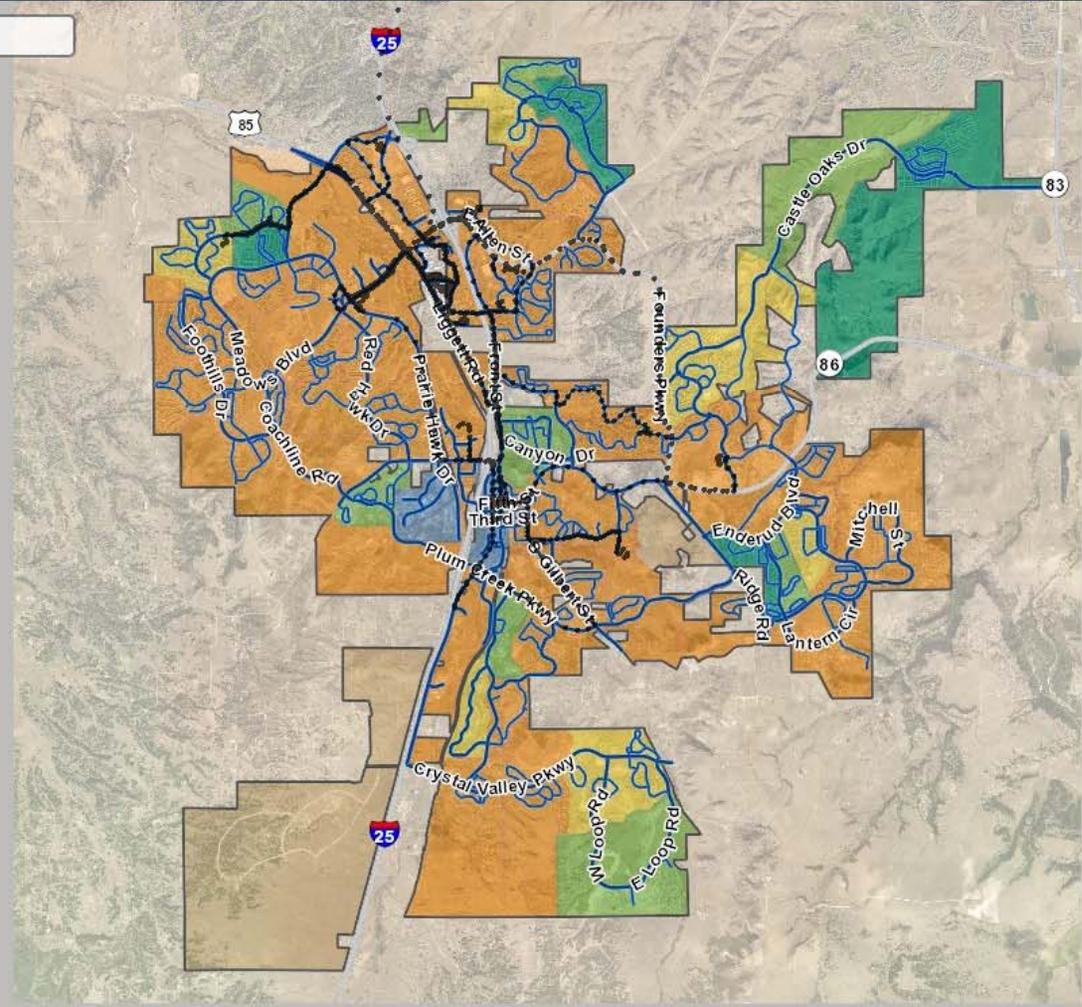
A C A D E M Y



# Snow Removal



Find address

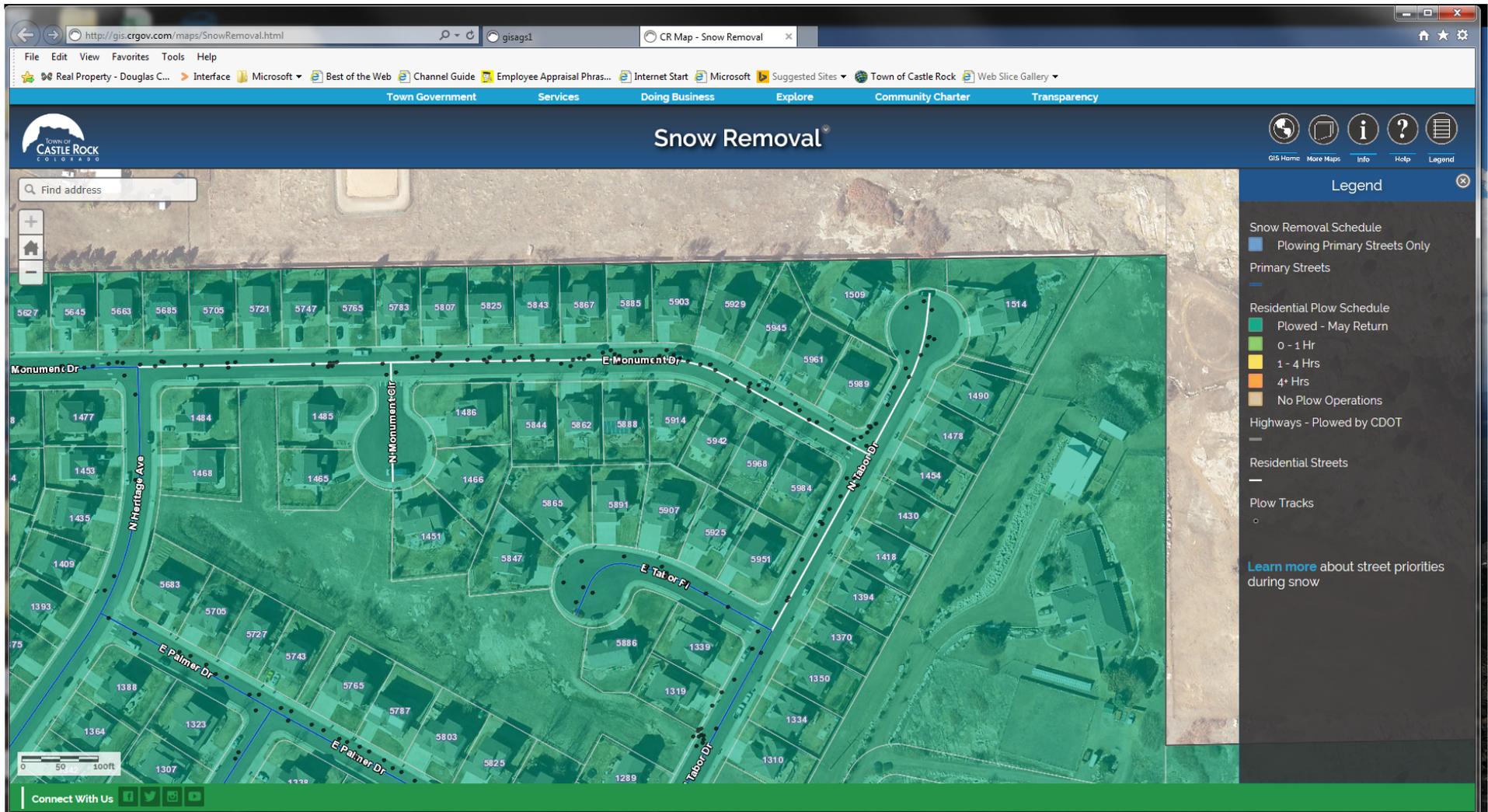


**Legend**

- Snow Removal Schedule
  - Plowing Primary Streets Only
- Primary Streets
- Residential Plow Schedule
  - Plowed - May Return
  - 0 - 1 Hr
  - 1 - 4 Hrs
  - 4+ Hrs
  - No Plow Operations
- Highways - Plowed by CDOT
- Plow Tracks

[Learn more](#) about street priorities during snow

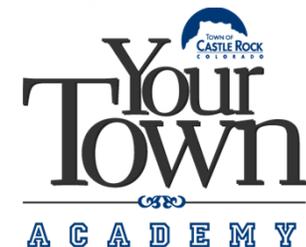




Public Works Department

# Planning for the Future

October 2019



# Project Development

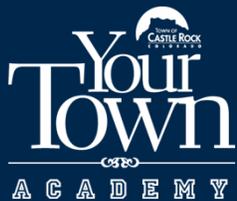
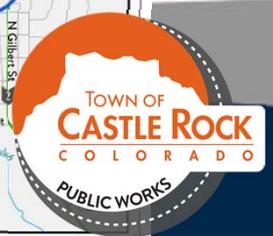
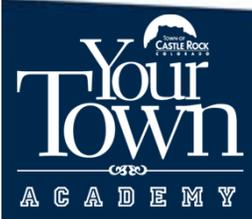
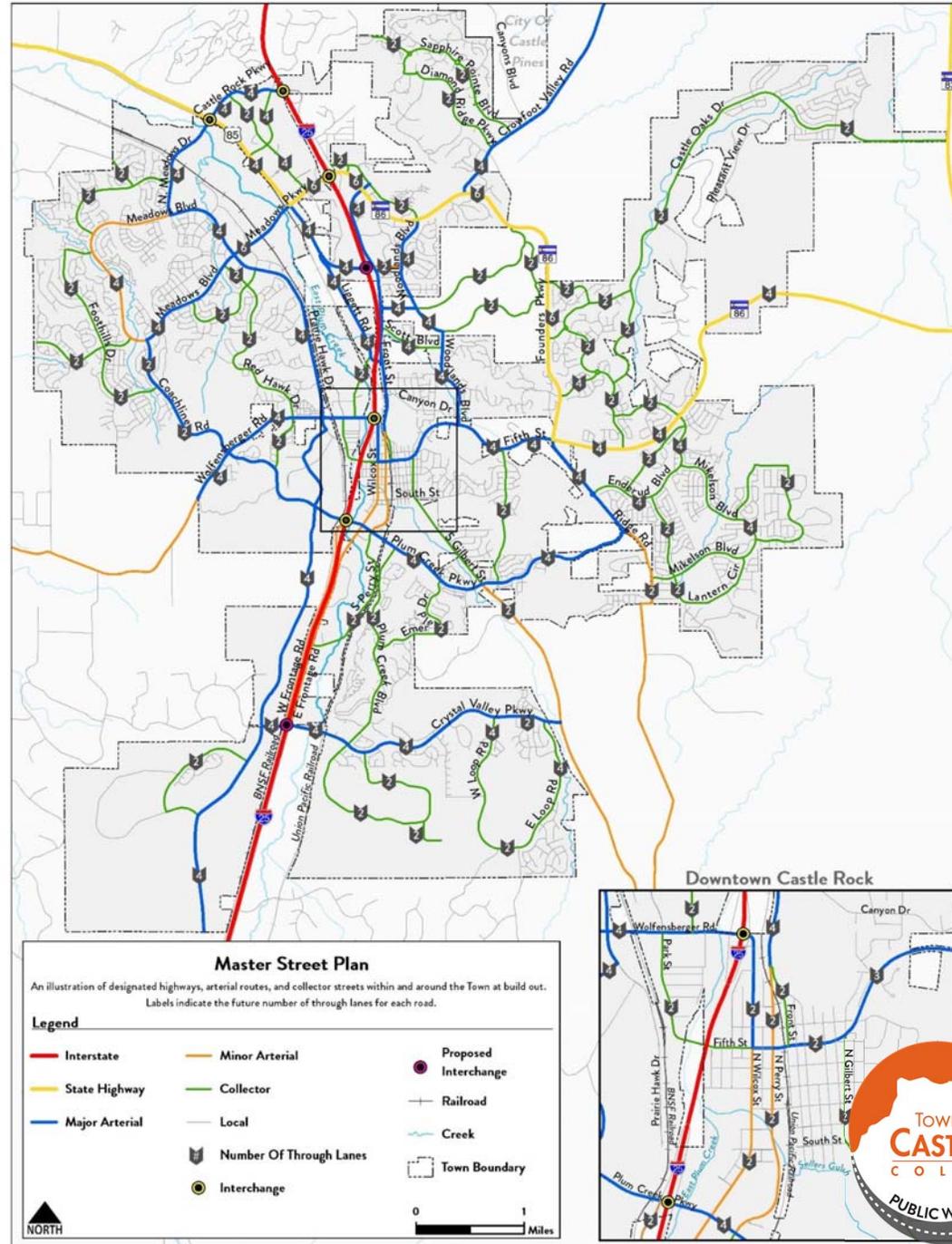


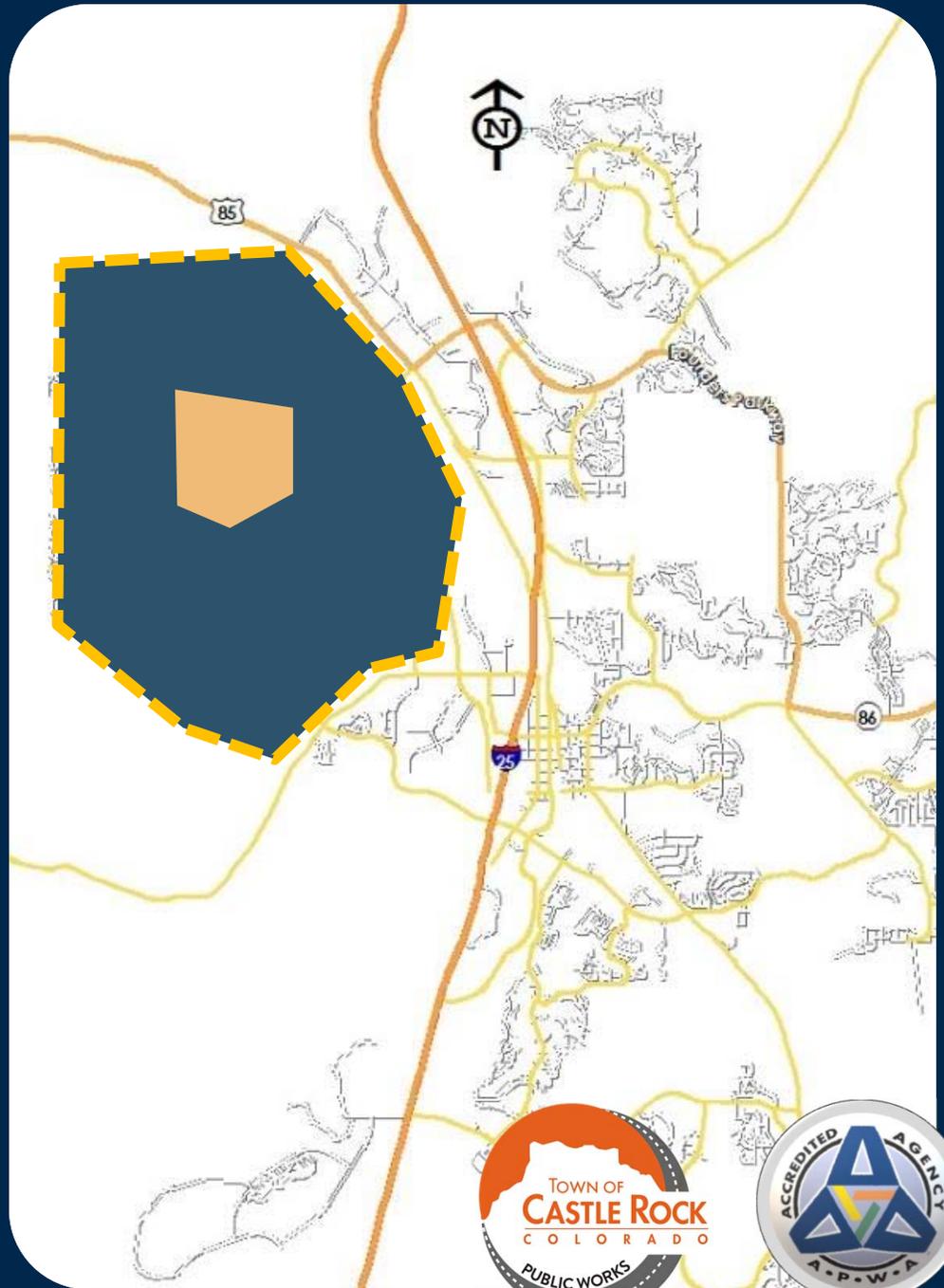
Figure iii – Master Street Plan

Trans



Master  
Study

Site  
Studies

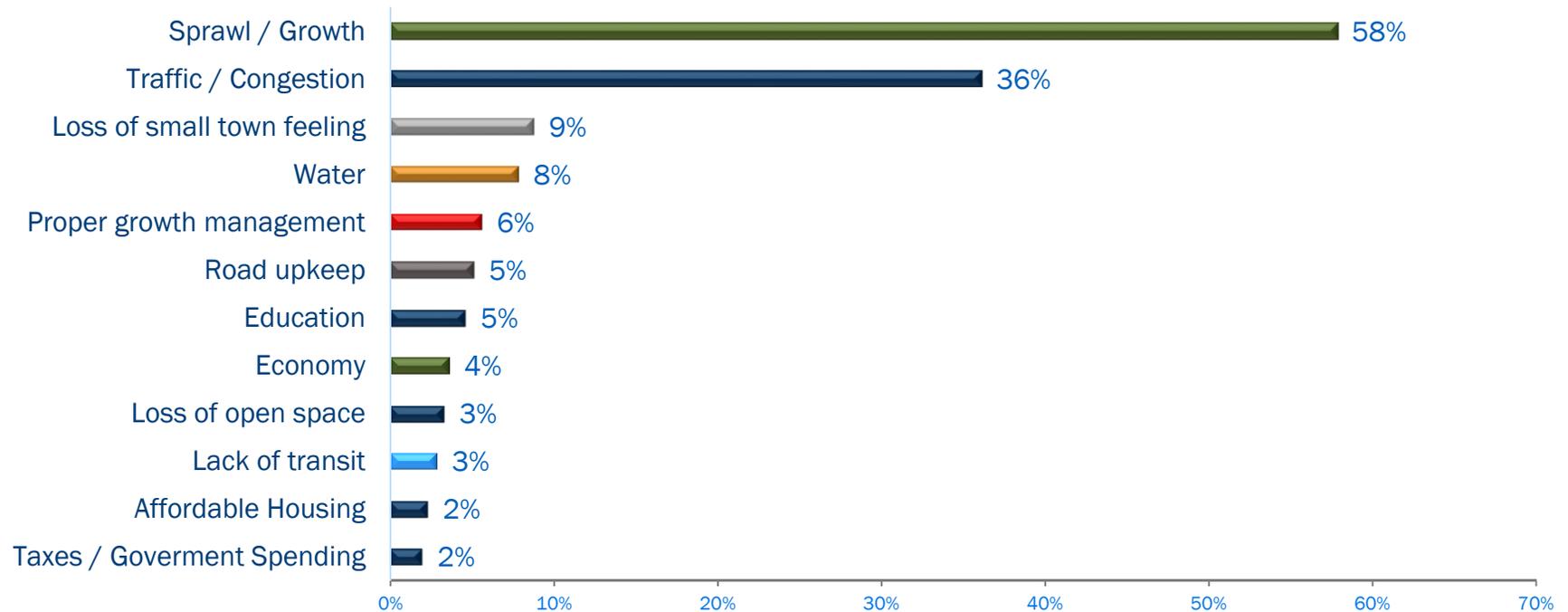


# Annual Engineering Evaluations



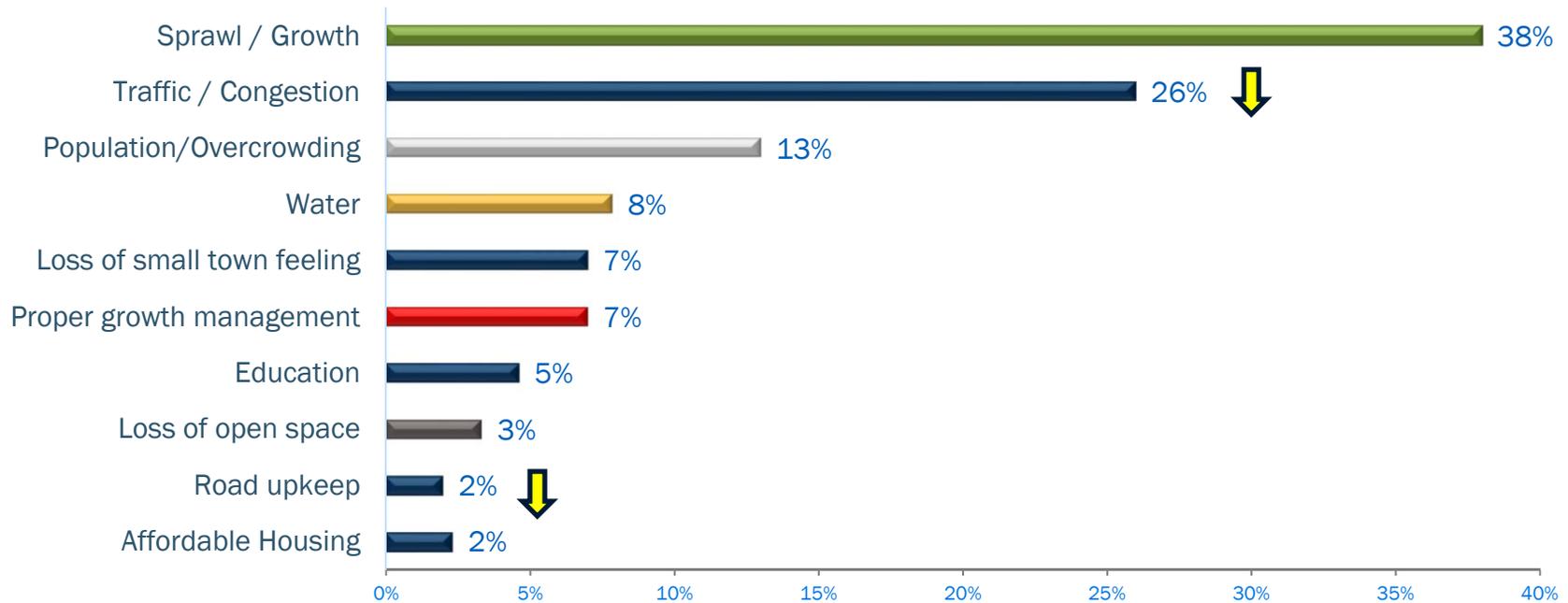
# Community Surveys

## Most Important Issue (2015)



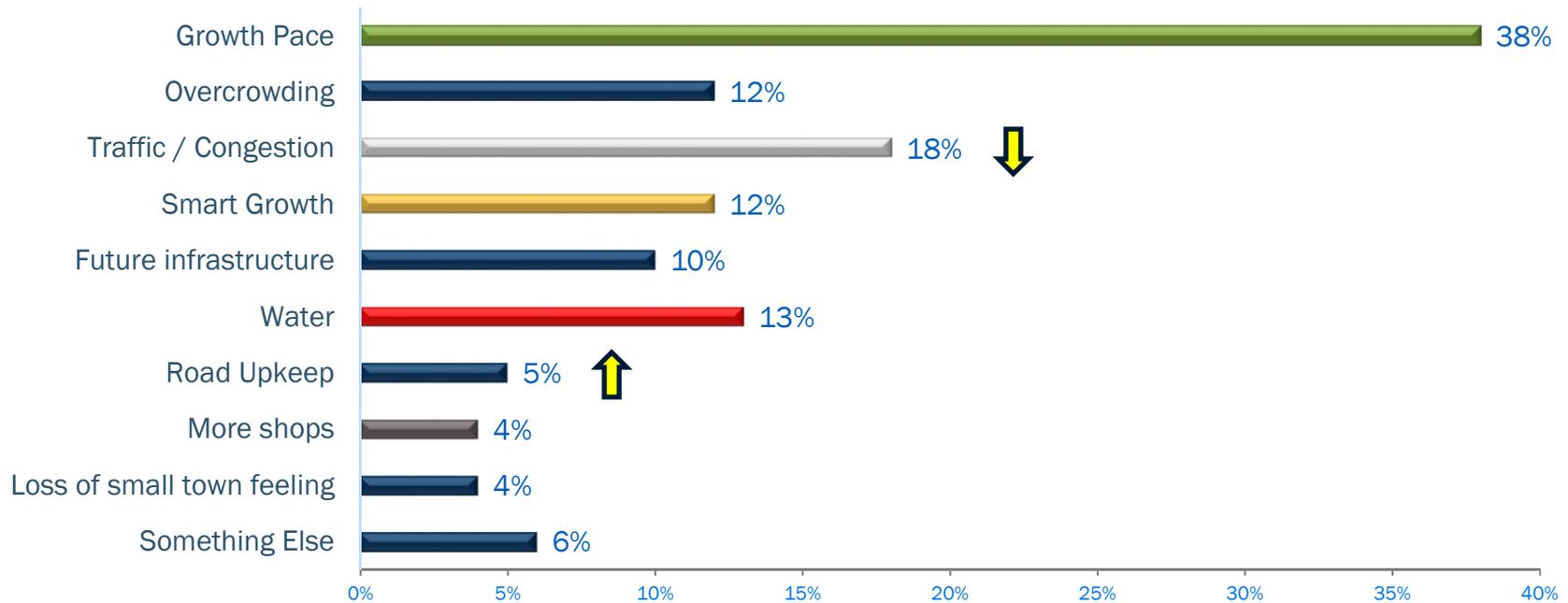
# Community Surveys

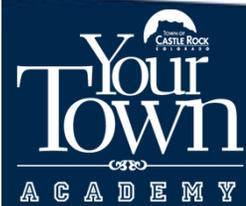
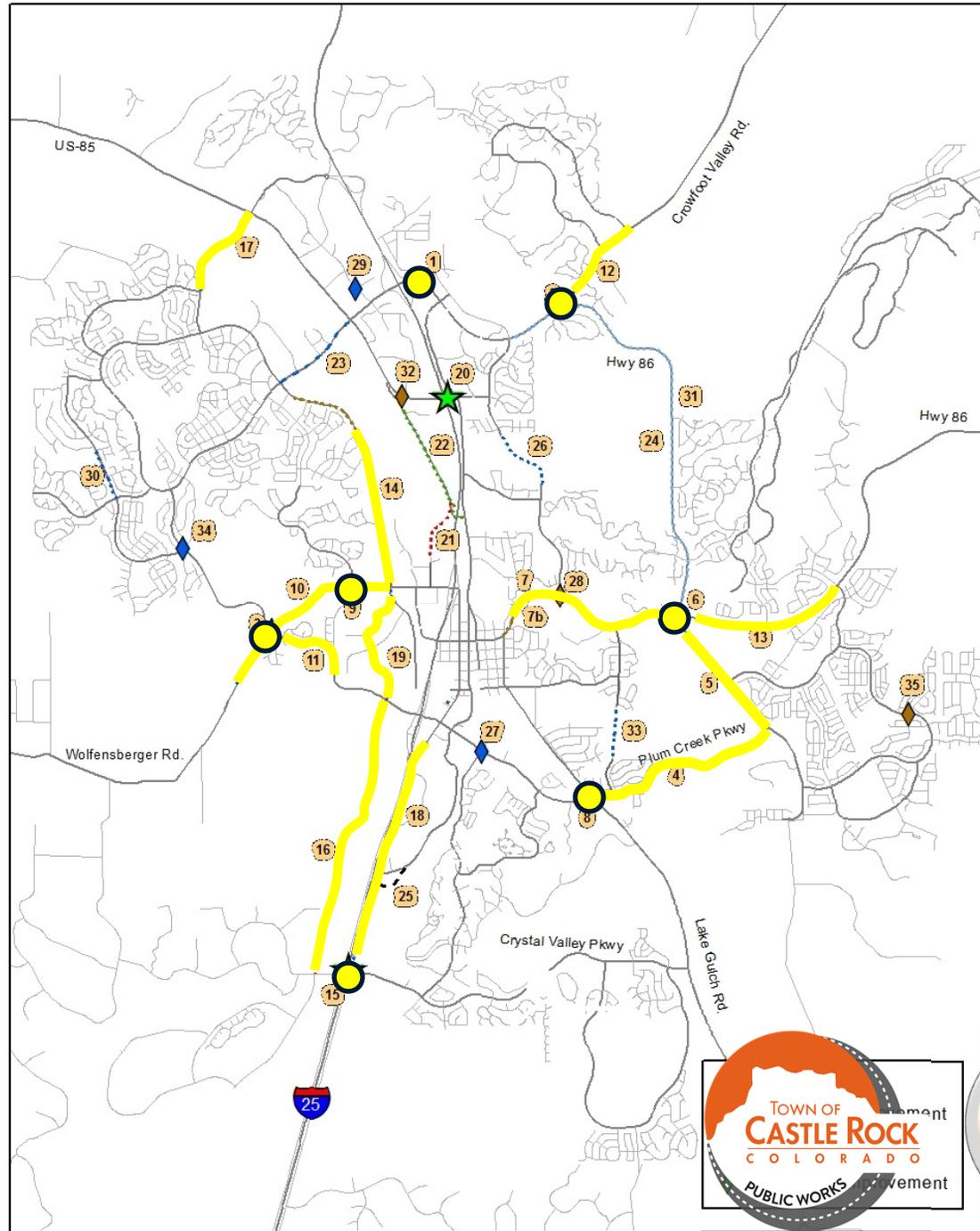
## Most Important Issue (2017)



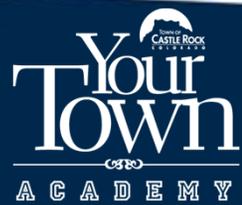
# Community Surveys

## Most Important Issue (2019)





# Exercise #1



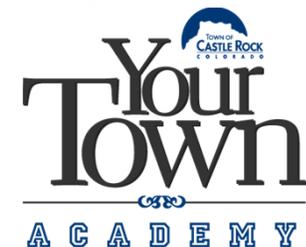
# Strategic Plan



Public Works Department

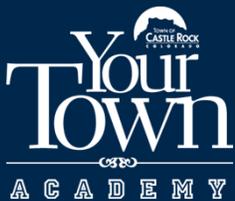
# Transportation Funding

October 2019

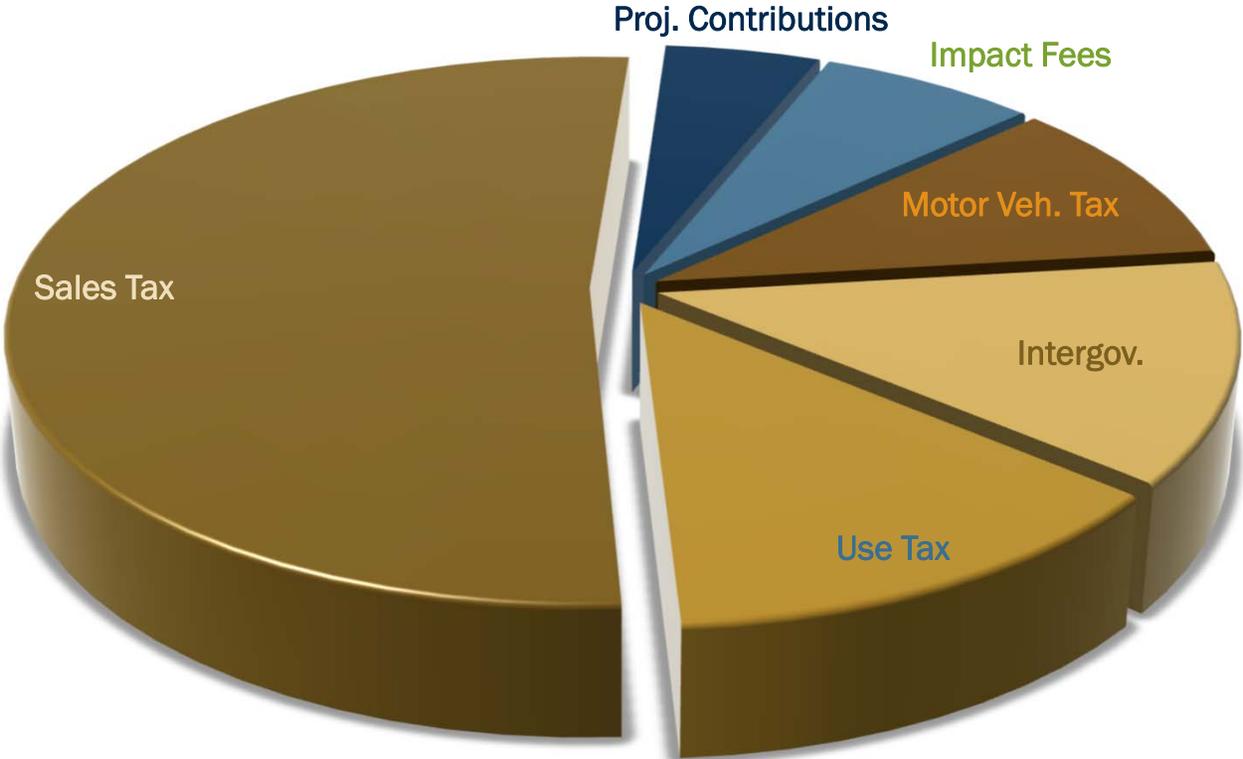


# Revenue

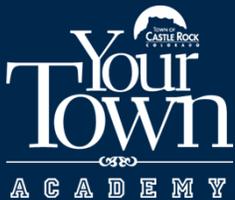
## *“Your Tax Dollars at Work”*



# Sources



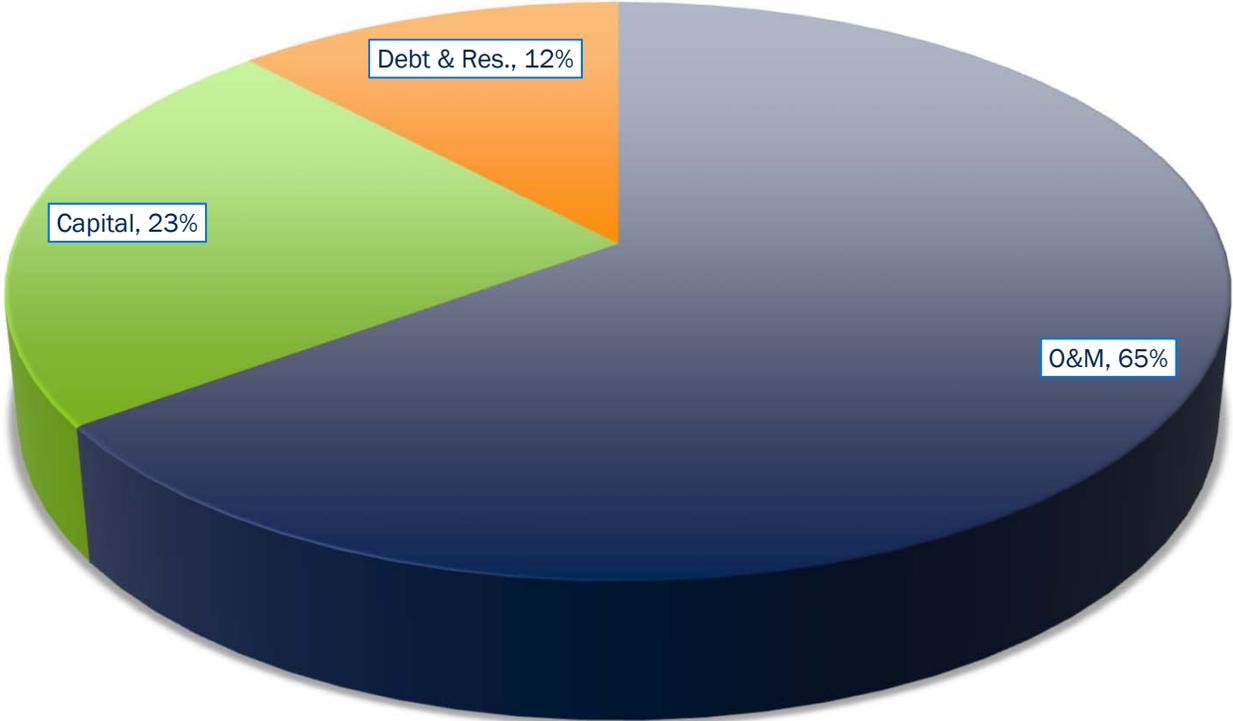
# Expenditures



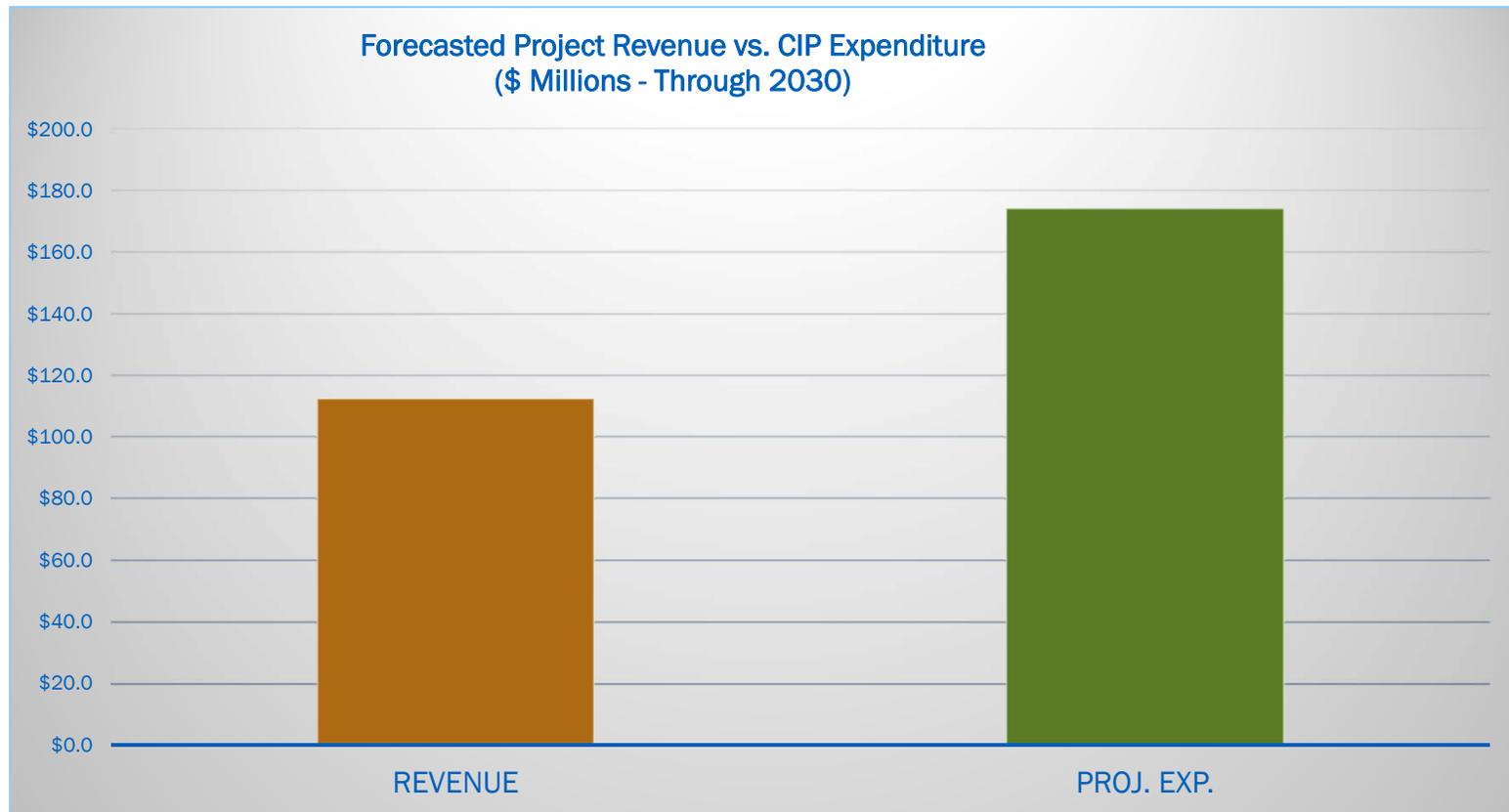
# General Categories



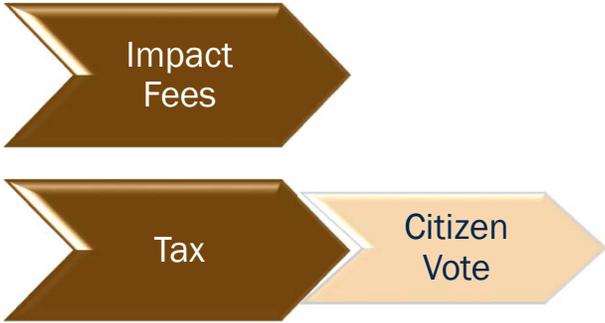
# General Categories



# 2030-Year Capital Outlook



# Strategies



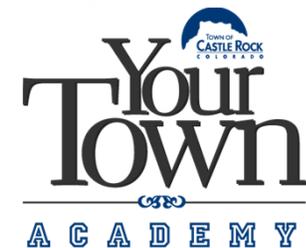


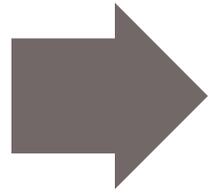
# Questions



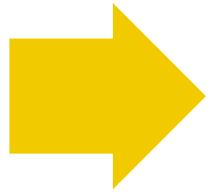
Public Works Department  
**THANK YOU!**

October 2019

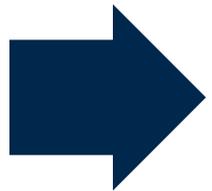




**Forward Thinking**



**Performance Driven**



**Accredited Team**