

# Northwest Parkway Public Highway Authority

## Transportation Legislation Review Committee



October 28, 2019

# Who Forms NWPPHA



- Members:



City & County of Broomfield



City of Lafayette

- Ex Officio & Associate Members:



City of Arvada



Regional Transportation District



Interlocken Metro District



Jefferson County

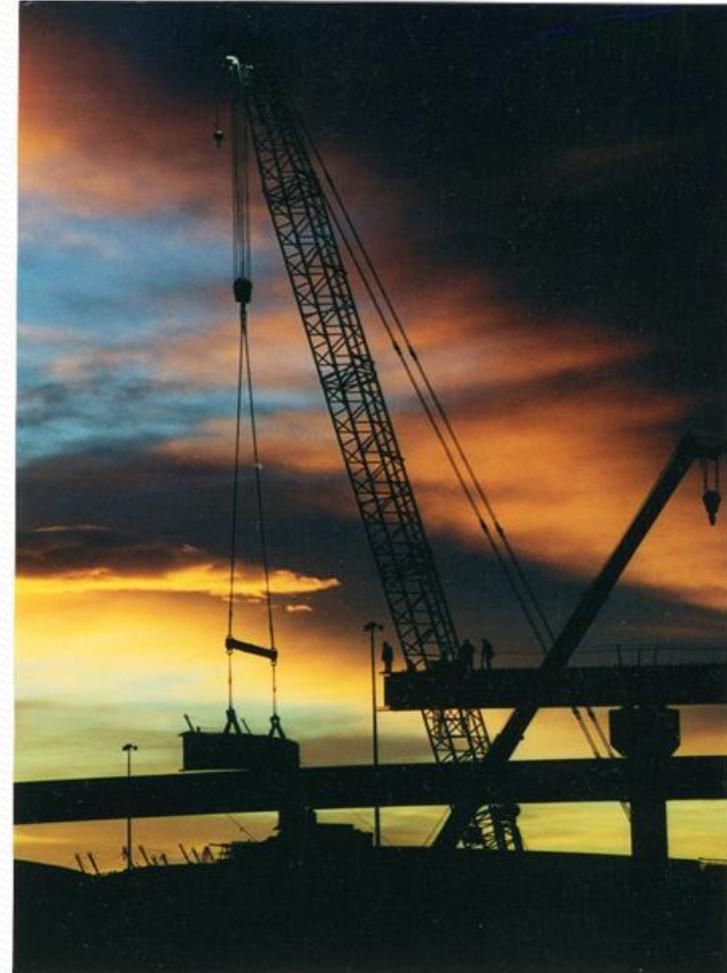


Colorado Dept. of Transportation

## Background

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- **July 1999:** Authority established
- **The Purpose:** To build an authority financed highway linking E-470/I-25 to US36
- **The Financing:** User fee revenue bonds were used to fund the NWP – **No tax dollars!**
- **The Reasons:**
  - ✓ To continue the extension of a Denver metropolitan beltway
  - ✓ To avoid the tax cost of building a major new regional roadway link
  - ✓ To ensure that development occurred in specified locations respecting planned open space
  - ✓ To relieve traffic on neighborhood streets



# Facility Overview

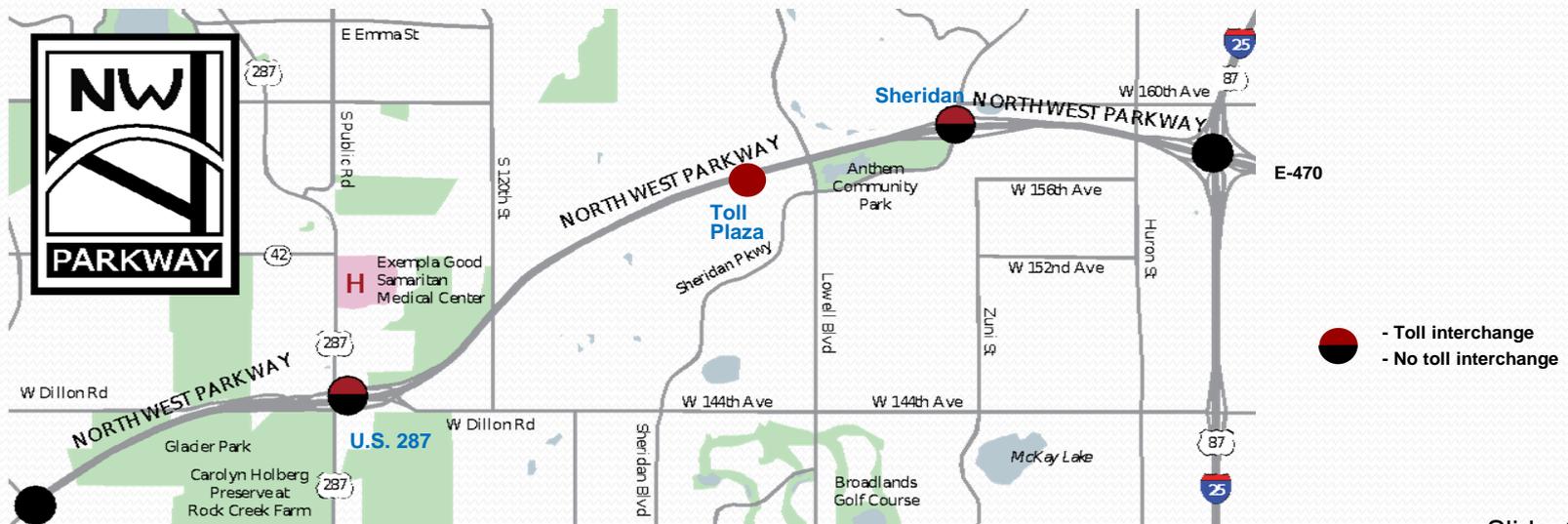


## FACILITY DESCRIPTION

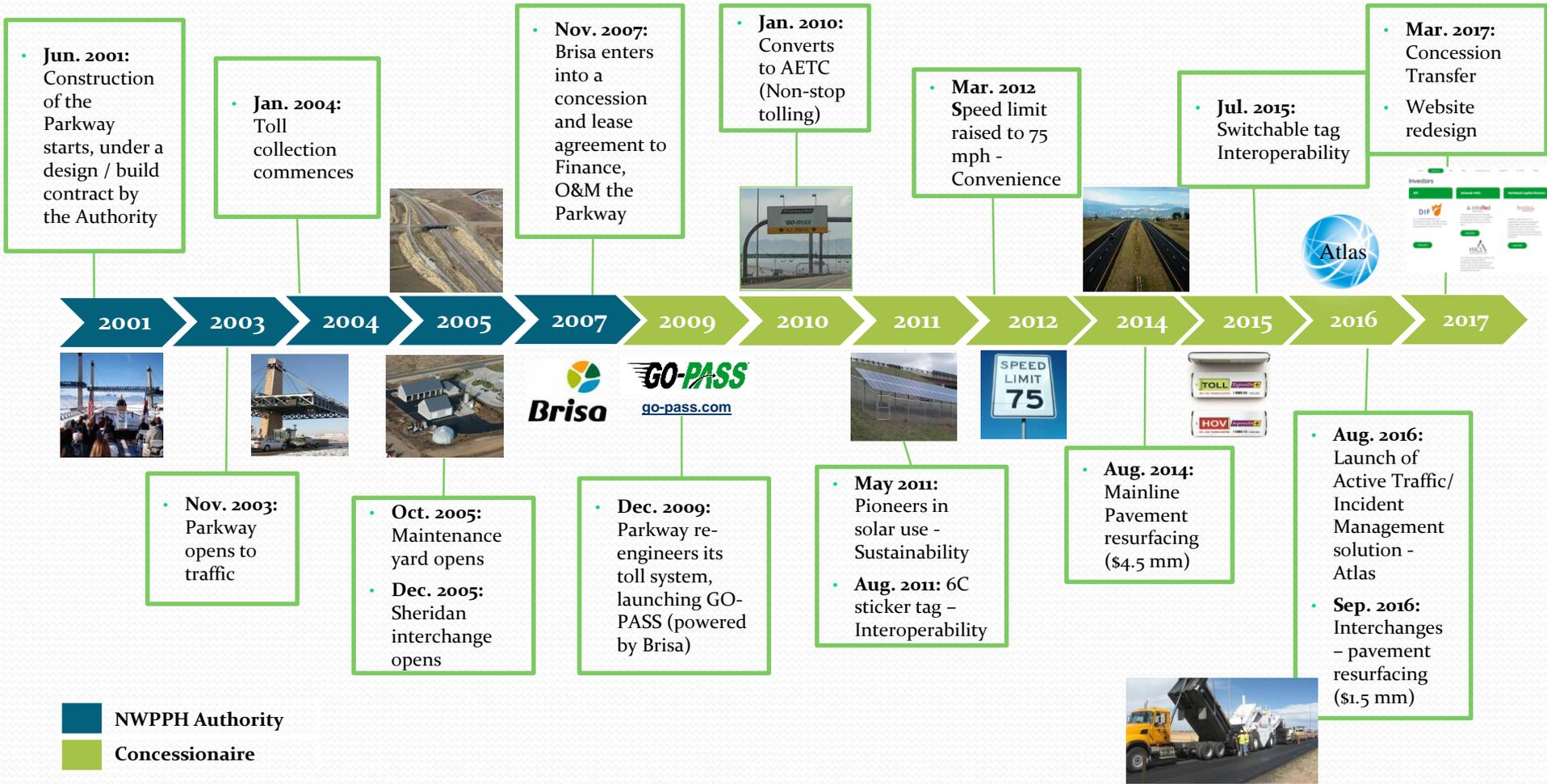
NWP is a 8.5-mile, 75 mph four-lane limited access highway, connecting E-470 at I-25 in the north metro Denver area, with U.S. 36, in Broomfield. It is part of the northwest section of Denver's beltway system and comprises of:

- ✓ 23 bridge structures;
- ✓ 3 interchanges (I-25/E-470, Sheridan, U.S.287);
- ✓ 1 maintenance yard and 1 administrative building;
- ✓ 7 solar sites (62 kW);
- ✓ 3 toll points (AET – no stopping)

## ROAD MAP



# Major Milestones



# Northwest Parkway Concession



## Fundamentals

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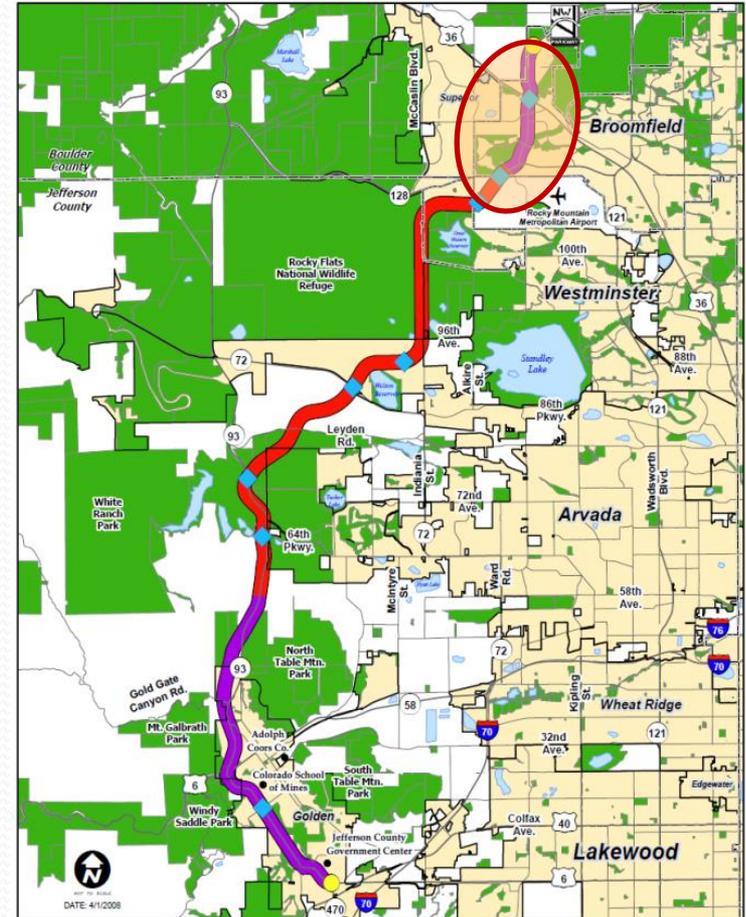
- On November 21, 2007, the NWPPHA entered into a Concession Lease Agreement with Brisa (doing business as Northwest Parkway LLC). On March 9, 2017, Brisa sold 100% of its interests to a Consortium (NWP HoldCo LLC) for \$744M.
- At the end of the 99-year lease term, the Parkway operation reverts to the Authority.
- Upon execution of the Concession and Lease Agreement, the NWPPHA transferred control of all capital assets to the Concessionaire in exchange for the defeasances of all outstanding bonds and reduction of a major portion of other long-term liabilities (\$503M).
- The Concessionaire must operate the Parkway in accordance with the terms of the Agreement and all applicable laws and must keep the Parkway continuously open and operational for the use of all members of the public, 24 hours a day, every day, except for necessary closures permitted by the Agreement.

# Northwest Parkway Concession

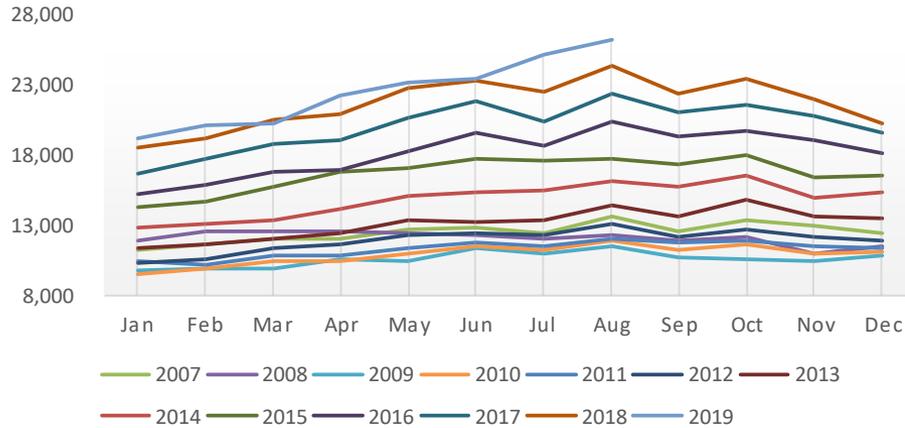


## Expansion Possibilities

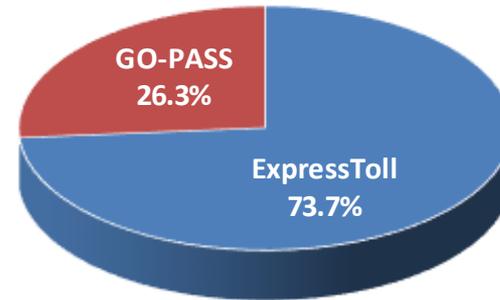
- Work on the possibility of extending the NWP (2.3-mile extension) to SH128, which together with the Jefferson Parkway and the linking to I-70 would complete the beltway around the metro Denver area, is underway.
- The Concession Agreement does not require the Concessionaire to build the extension, but the Concessionaire is required to contribute \$100 million towards the cost of the extension to SH128 if certain conditions are met, including:
  - ✓ Construction of both extensions are contracted to be completed by the end of 2020
  - ✓ Concessionaire gets the rights to toll, operate and maintain the NWP extension to SH128



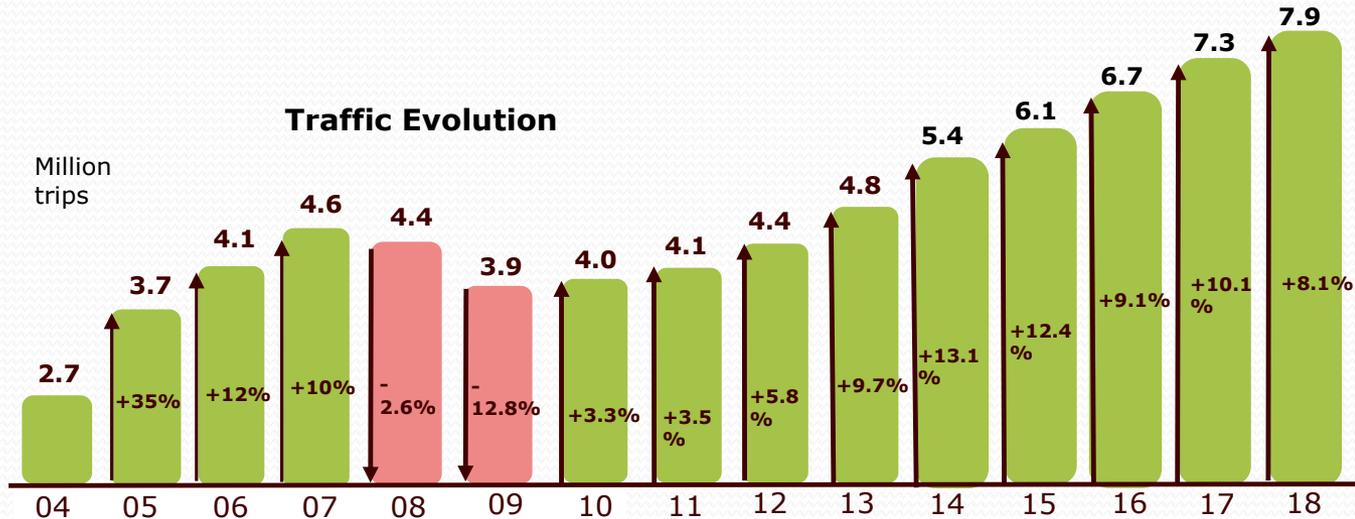
### Average Daily Traffic



### 2019 Transactions by Payment Type

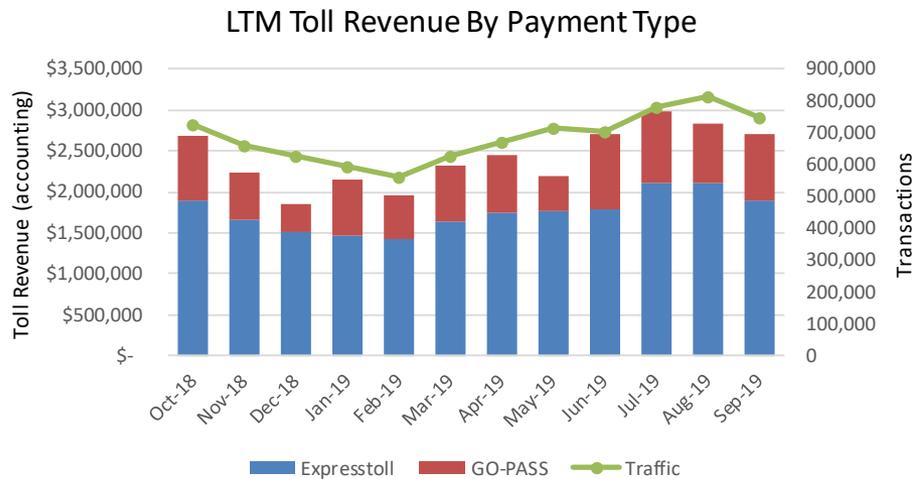
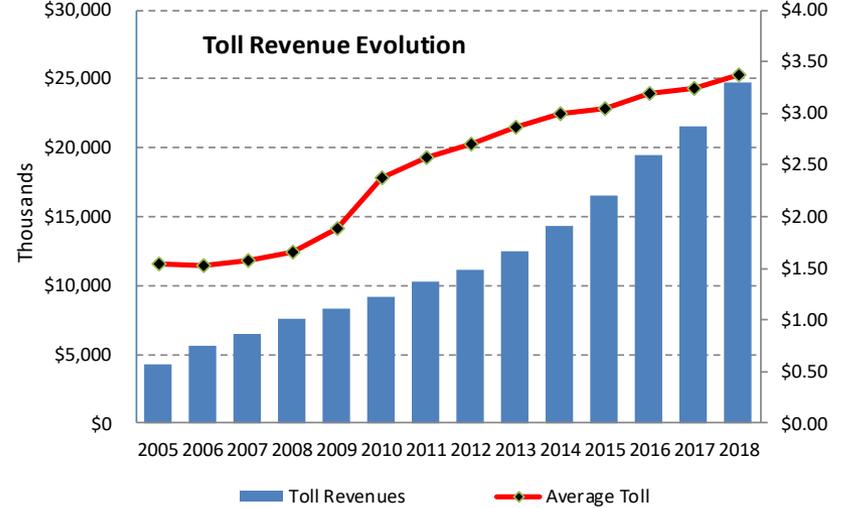
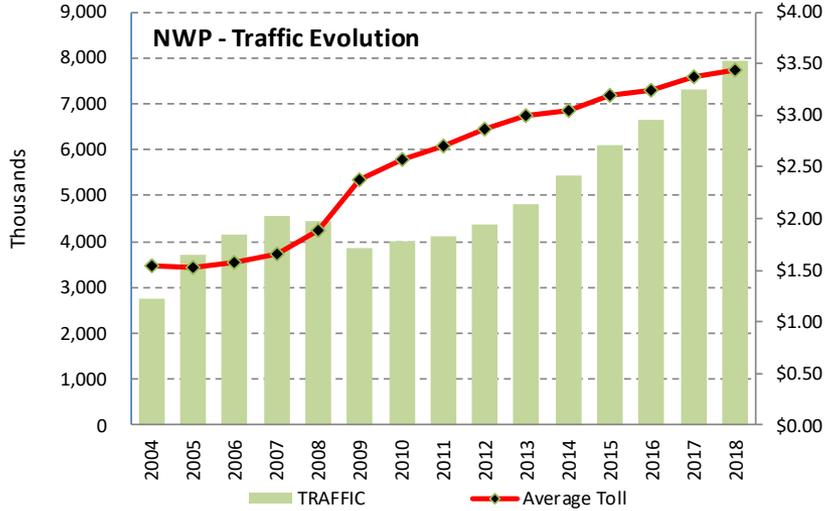


### Traffic Evolution

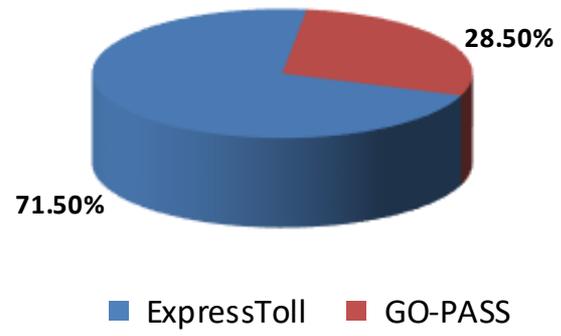


**Almost 8 million trips in 2018. Daily record of 33,630 trips in 2019**

# Toll Revenue



## 2019 - Toll Revenue Structure



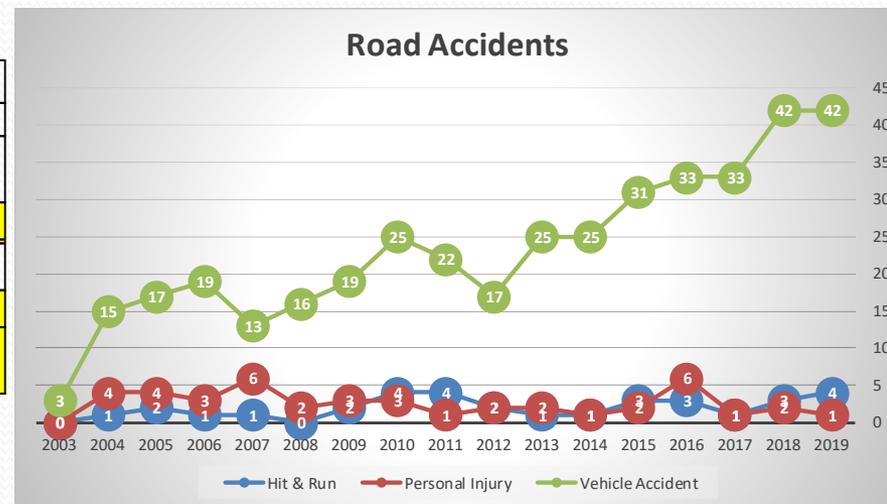
**Steady growth demonstrates the Economic value of this connection**

Jan. 1 – Sep. 30

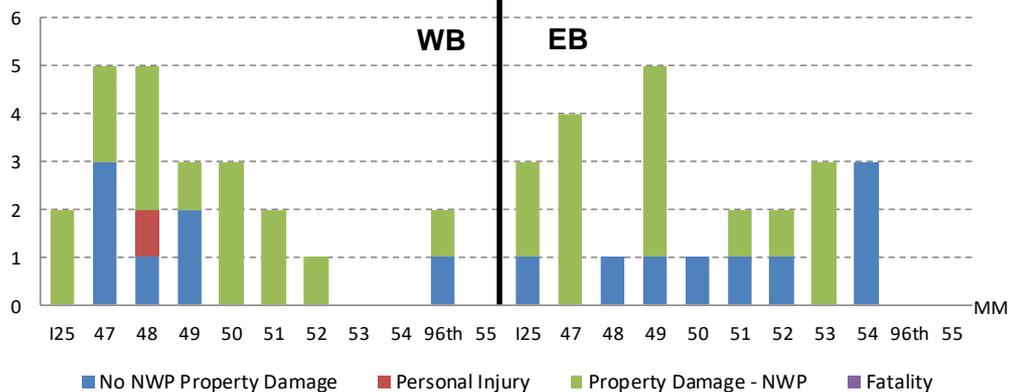
NWP 2019			PDO		Injury		Fatal		Total	
Direction	Miles	ADT	#	Rate	#	Rate	#	Rate	#	Rate
WB	8	25658	22	1.19	1	0.05	0	0.00	23	1.25
EB	8	25060	24	1.33	0	0.00	0	0.00	24	1.33
<b>NWP Total</b>	<b>16</b>	<b>50718</b>	<b>46</b>	<b>0.63</b>	<b>1</b>	<b>0.01</b>	<b>0</b>	<b>0.00</b>	<b>47</b>	<b>0.64</b>
CDOT 2012										
Miles	ADT	#	Rate	#	Rate	#	Rate	#	Rate	
Interstate	952	34503	11337	0.95	1206	0.10	57	0.48	12600	1.05
Other Freeways & Highways	332	36524	6518	1.47	632	0.14	32	0.72	7182	1.62

CDOT's latest published data (from 2012)

[CDOT link](#)



2019 NWP Accident Location



**Hit & Run** – Recognized damages from unidentified vehicle;  
**Vehicular Accident** – Reported accidents involving one or more vehicles, with or without damages;  
**Personal Injury** – Reported accidents resulting in some type of personal injury.

Sources: Broomfield Police and Courtesy Patrol Reports.

**NWP is a safe road, especially when compared to other highways**

# Toll Rates – 2019



## NWPKY TOLL RATES:

### Mainline

- 2 Axles \_\_\_\_\_ \$4.10
- Per Each Additional Axle \_\_\_\_\_ \$4.10

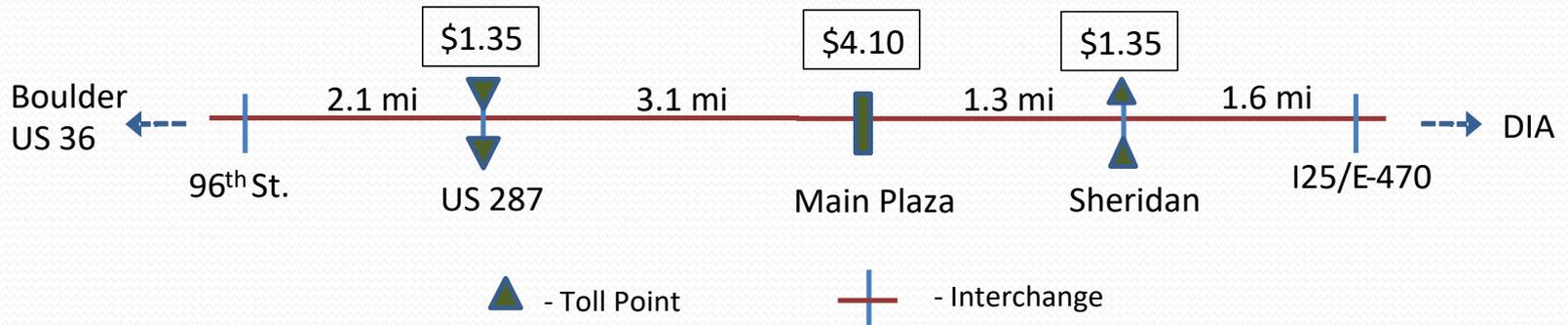
### Ramps (Sheridan and US287 interchanges)

- 2 Axles \_\_\_\_\_ \$1.35
- Per Each Additional Axle \_\_\_\_\_ \$2.15

Annual toll rate increase is indexed to the maximum of:

- US GDP per Capita (BEA);
- US CPI (BLS);
- 2%

**Note:** Additional fees may apply depending on the payment method.



**Toll rates are regulated by the Concession Agreement and overseen by the NWPPHA**

# Oversight



The 2019 Annual Independent Engineer (by Stantec Consulting) reports that *“All items were inspected in accordance with the Colorado Department of Transportation Maintenance and Specification Standards (M&S Standards).”* **The 80 inspected categories averaged a score of 4.93 out of 5.00!**

Stantec also inspected the 23 NWP bridge structures as part of a biennial Federal Program (NBIS FHWA). The report states that *“**The structures owned and maintained by the Northwest Parkway are in Good to Satisfactory condition. Our recent inspection observations have revealed that the NWP is doing a great job at performing routine and preventative maintenance activities to prolong the service life of the structures.**”*

*“We congratulate the NWP on the continued effort to perform suggested maintenance activities and to provide a high-quality transportation system for your roadway users.”*



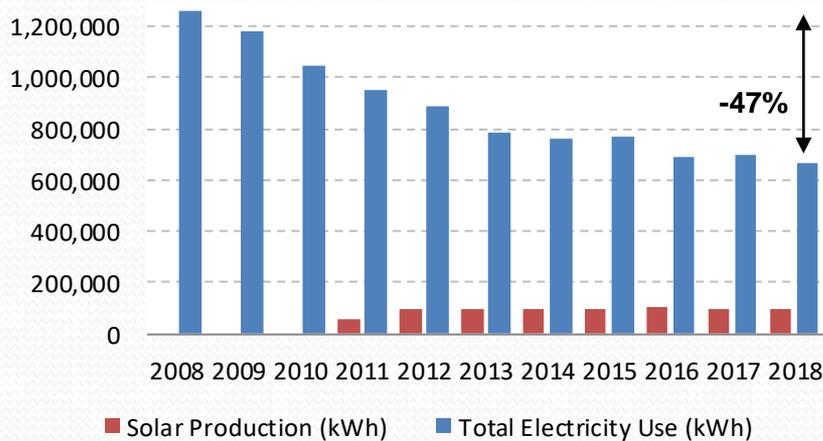
**The Concessionaire works diligently and proactively to guarantee that all assets are fully functional and compliant**

# Sustainability – Solar program

NWP reduced its annual electricity usage by 47% over the last 10 years.

NWP solar project, so far, accounted for an estimated cost savings of \$25,185.

**Electricity Used/ Produced**



- ✓ **NWP was pioneer adopting renewable energy, offsetting its carbon footprint since 2011**
- ✓ **7 solar sites (63 KW) have produced 807,661 kWh, equivalent to 728 tons of CO2 emissions**

## “Brightening” NWP’s Operational Performance

# Thank You

