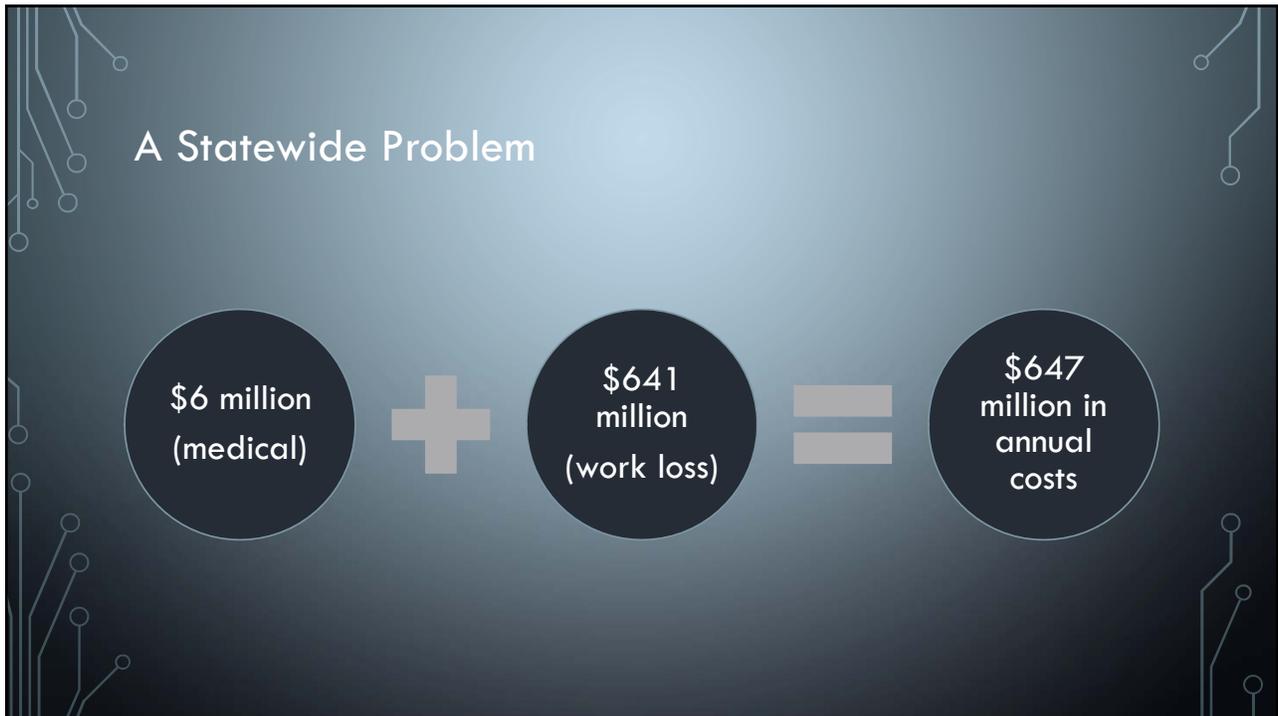


# TRANSPORTATION HAZARDS



“Patience is Something You Admire in the Driver Behind You and Scorn in the One Ahead.” ~Mac McCleary

- Define some terms
- Identify crash hotspots
- Determine the cost of a crash
- Consider solutions



## E ARAPAHOE ROAD / S REVERE PARKWAY

- 21 crashes
- What factors are present?
- When can we expect trouble? Month-Day-Time



## S PARKER ROAD / E ORCHARD ROAD

- 16
- Factors?
- Trouble? Month-Day-Time

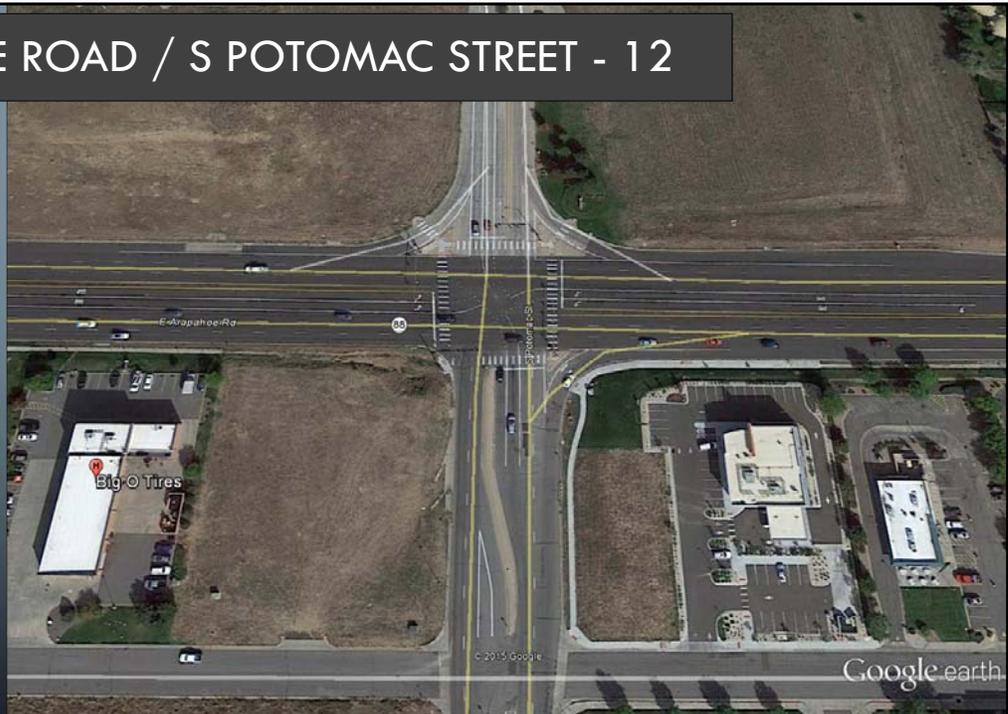


## E ARAPAHOE ROAD / S PEORIA STREET

- 14
- Factors
- Trouble times



## E ARAPAHOE ROAD / S POTOMAC STREET - 12



I-25 NB / E DRY CREEK ROAD - 12



E ARAPAHOE ROAD / S JORDAN ROAD - 12



I-25 SB / E COUNTY LINE ROAD - 11



E ARAPAHOE ROAD / S HOLLY STREET - 10



## E ARAPAHOE ROAD / S LIMA STREET - 10



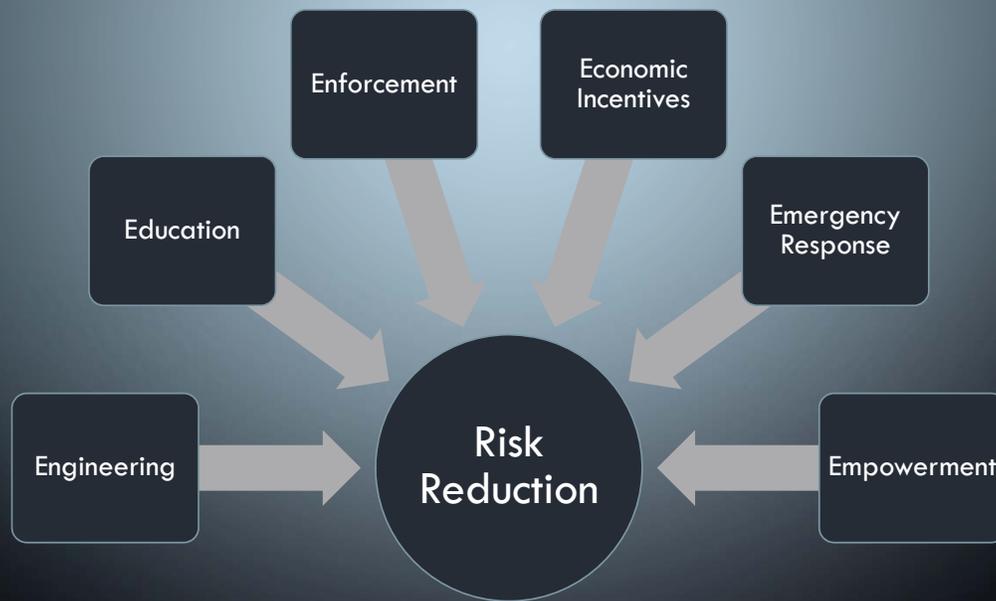
### Community Risk Reduction

- We need a brainstorming model to identify modifiable factors that cause or exacerbate these crashes, or that could have prevented the outcome.
- It should be useful for single or multiple incidents

## Haddon Matrix

	Agent	Host	Physical Environment	Social Environment
Pre-Event				
Event				
Post-Event				

## Potential Interventions



## Automated Red-light Enforcement

- Increase rear-end crashes
- Decrease side-impact crashes
- Reduce overall crash severity
- Beneficial at intersections with a higher ratio of angle crashes to rear-end crashes. Intersections with high total volumes, higher entering volumes on the main road, short signal cycle lengths, protected left turn phases, and higher publicity may also increase the aggregate cost benefits of red light camera enforcement

## Costs and Benefits

- Costs are based on equipment choices, operational and administrative characteristics of the program, and arrangements with contractors.
- Public surveys typically show strong support for red-light cameras, unless cameras are promoted as revenue generators.

## Other Interventions

- Child Passenger Safety Seat Use/Inspections
- Seat belt use
- Slow for Yellow
- Slow for ice, snow
- Situational Awareness



"The art of war teaches us not to rely on the likelihood of the enemy's not coming, but on our own readiness to receive him; not on the chance of his not attacking, but rather on the fact that **we have made our position unattainable.**"

-Sun Tzu, 5<sup>th</sup> Century BC



ANY QUESTIONS?

[www.southmetro.org](http://www.southmetro.org)  
[ReducingRisk@southmetro.org](mailto:ReducingRisk@southmetro.org)

Or Call Us:  
720-989-2271



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