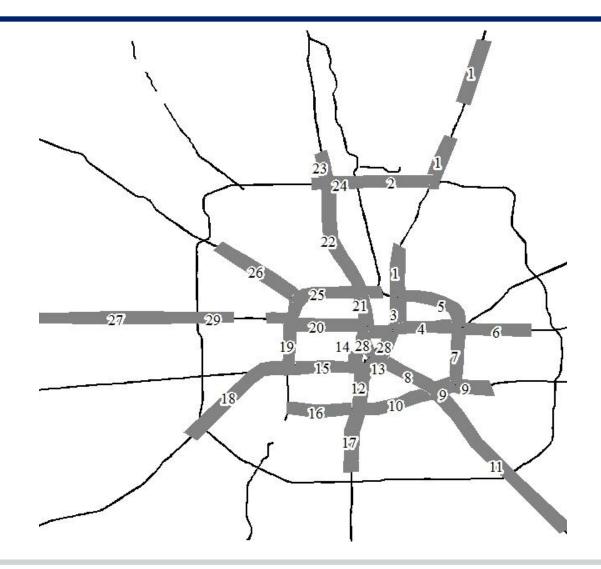


Houston Action Research Team (HART): Alexander Heath, Jacob Jaffe, Jarvis Miller, Carolina Osuna

SafeClear Program



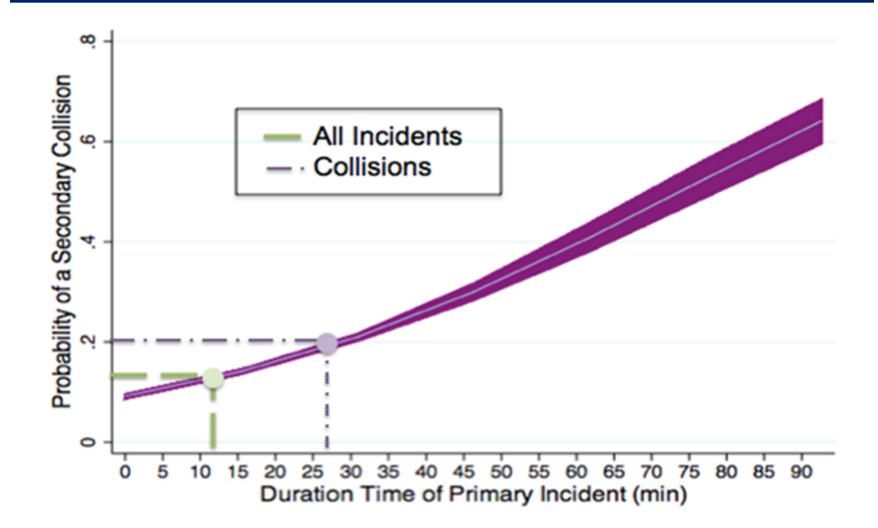
SafeClear Program Goals

- Increase public safety through decreased collisions
- Decrease duration time of incidents through quick arrival of tow operators to disabled vehicles
- These goals are being met

Recommendations for Improving SafeClear Program Performance

- Program improvements still possible
- Focus on rapid removal of disabled vehicles
- Strategic placement of HPD rapid response units

Chance of Secondary Collisions as Duration Time Increases

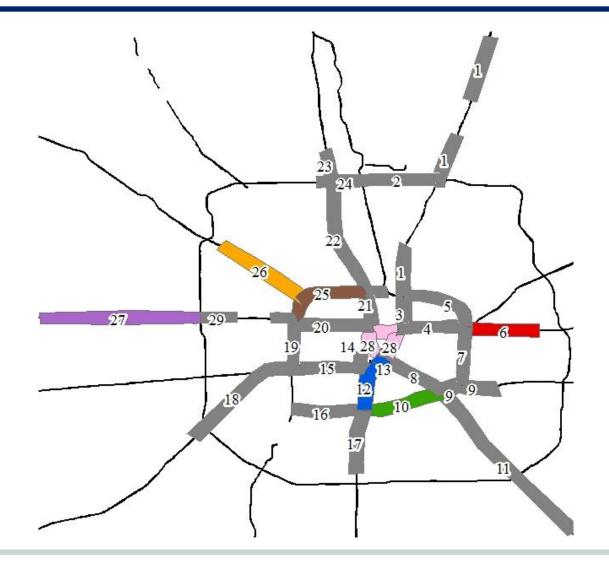


Criteria for Rapid Response Unit Placement

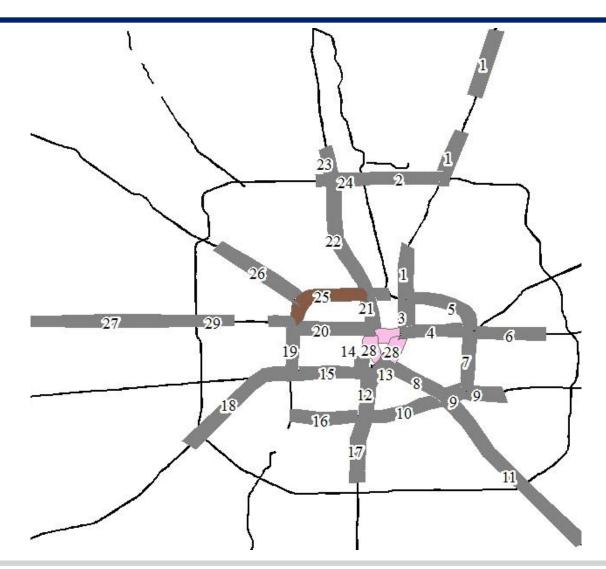
• Where

- Significant Segments
 - High overall duration time
 - High number of collisions
- Direction of Traffic
- When
 - Time of Day
 - Time of Week
 - Time of Year

Segments with Significantly Longer Duration Times

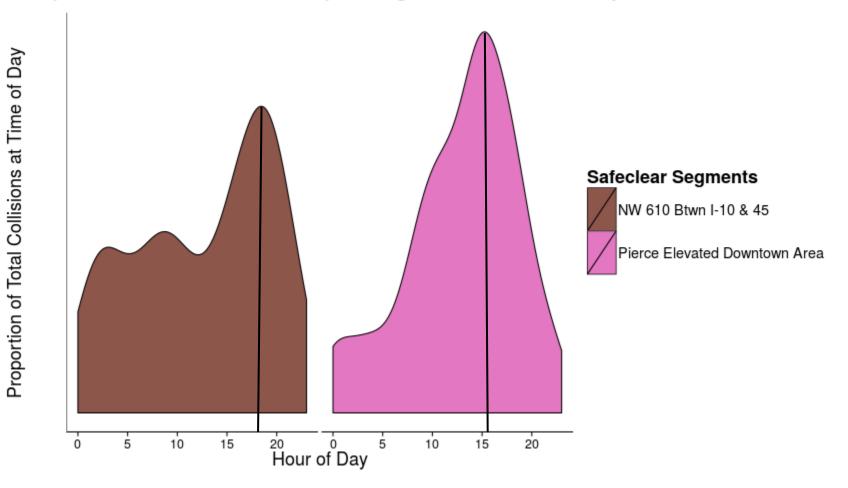


Segments where Rapid Response can make the Biggest Difference



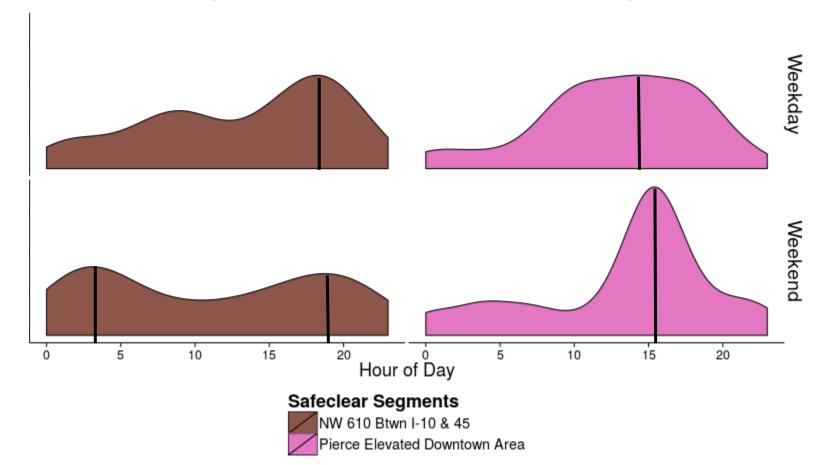
Afternoon is Worse than Morning

Proportion of Total Collisions per Segment at Time of Day



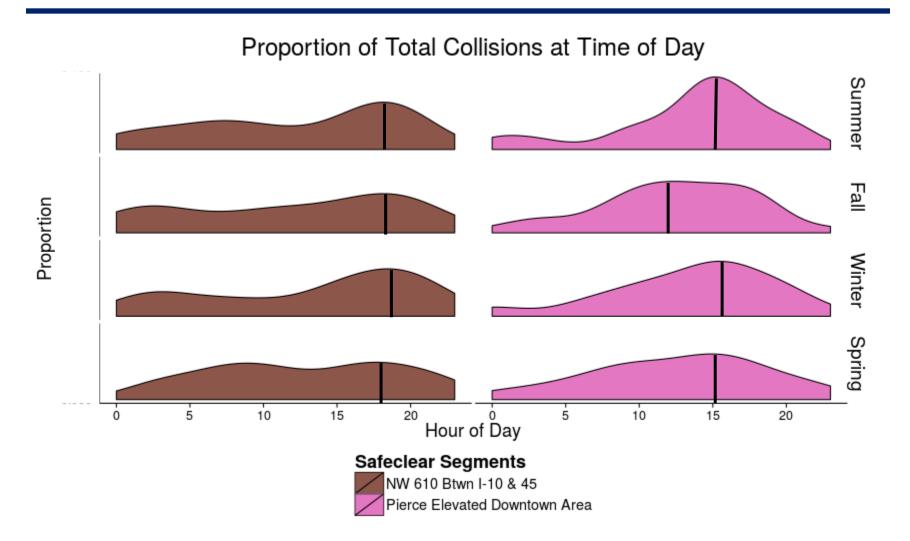
Weekdays and Weekends are Similar

Proportion of Total Collisions at Time of Day

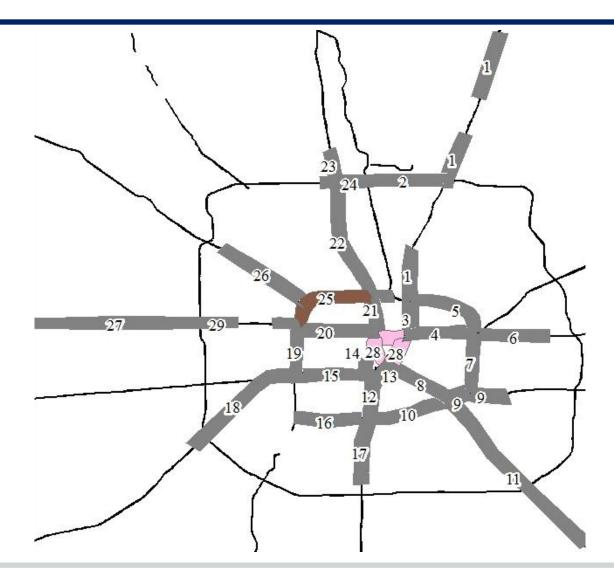


Proportion

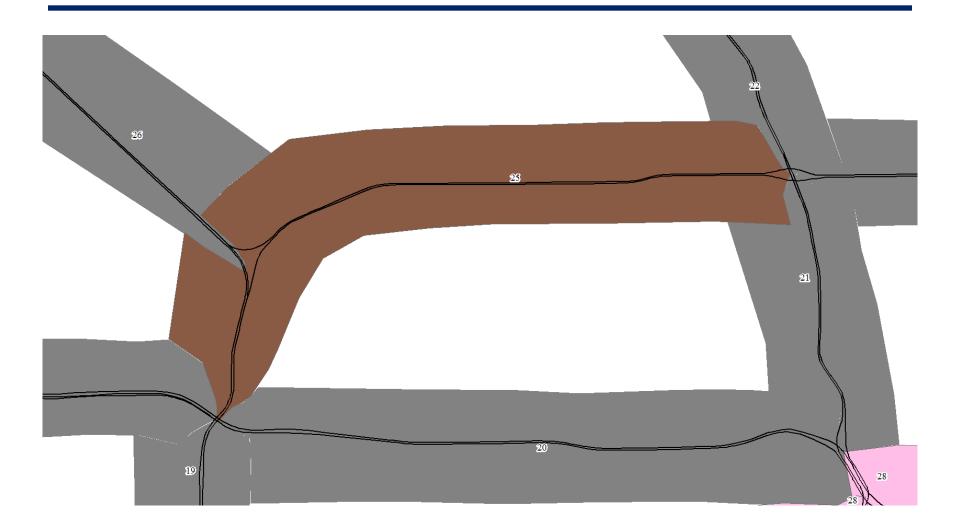
Season has little impact on Collisions



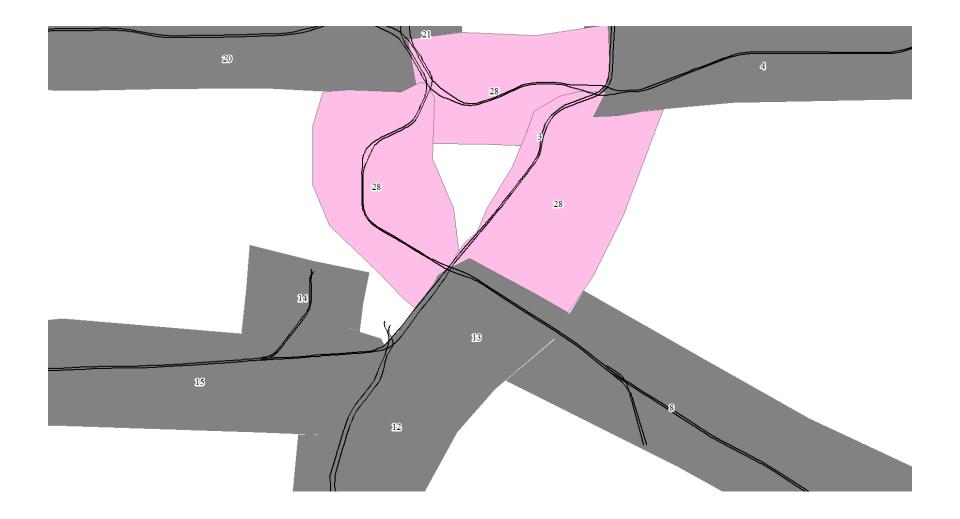
Rapid Response Placement



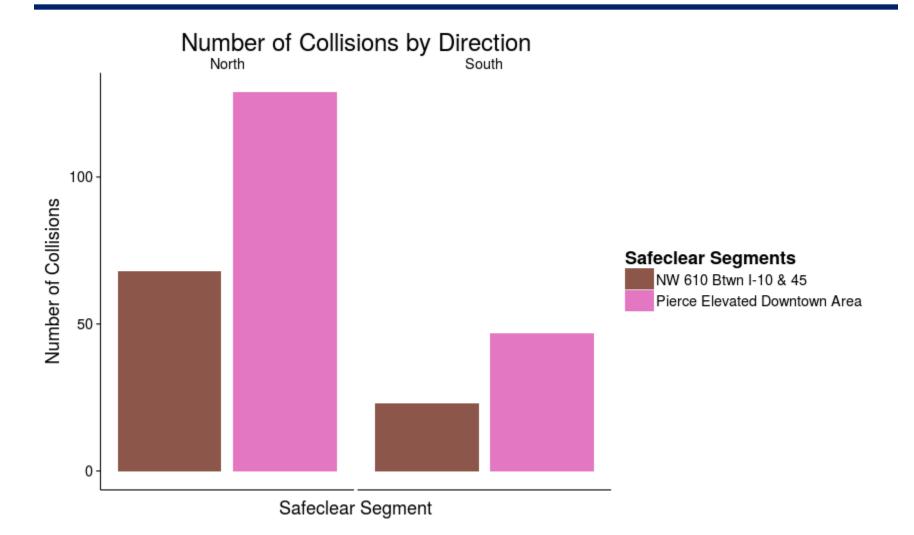
NW 610



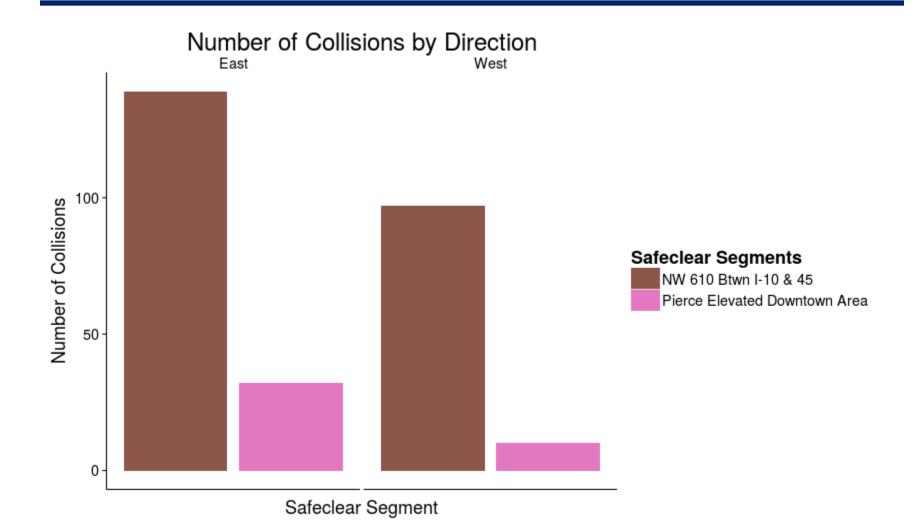
Pierce Elevated/US 59/I-10



Collisions more Frequent in Northbound Traffic



Collisions more Frequent in Eastbound Traffic

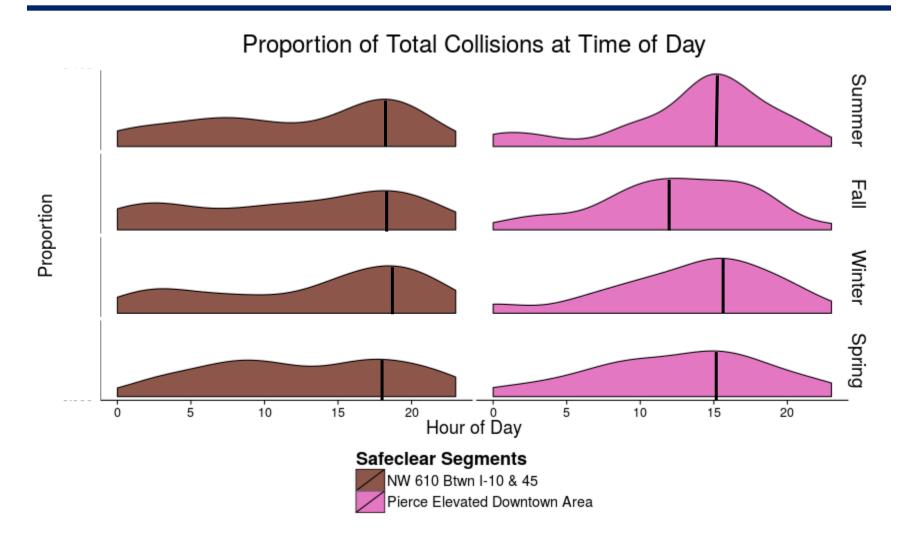


Conclusion

Recommendation:

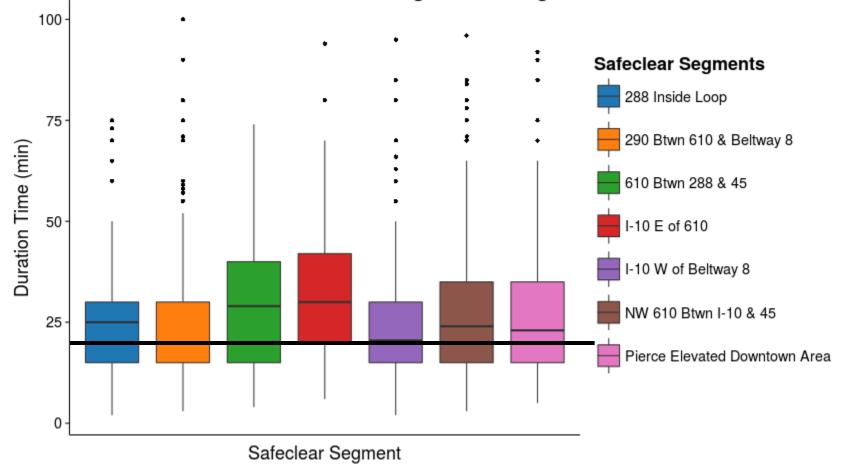
	NW 610 Btwn I-10 and 45	Pierce Elevated Downtown Area	35 35 36
Season	Any	Any	
Time of Day	Weekday: 4-8 pm Weekend: 4-8 pm	Weekday: 1-5 pm Weekend: 1-5 pm	
Direction	North/Eastbound	Northbound	

Afternoon Collisions are Worse Regardless of Season

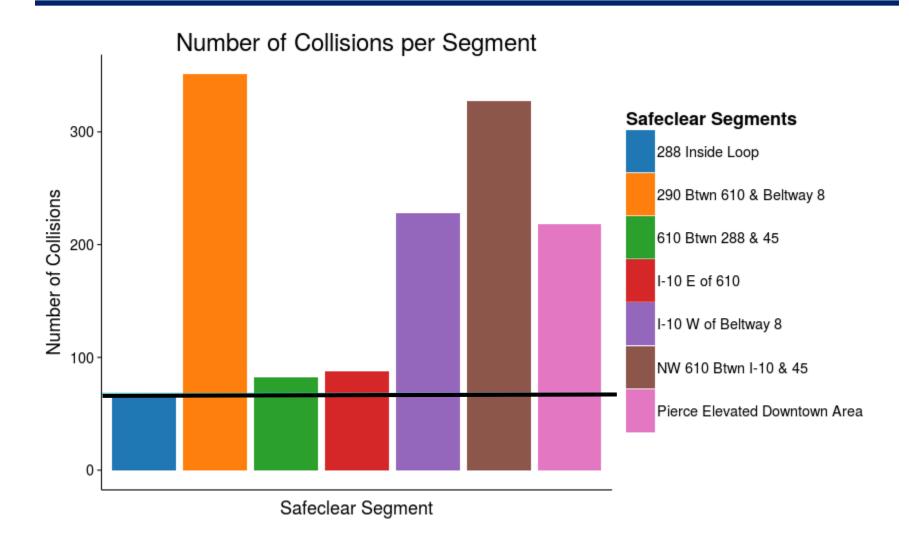


Distribution of Duration Times for Significant Segments

Distribution of Duration Times for Significant Segments

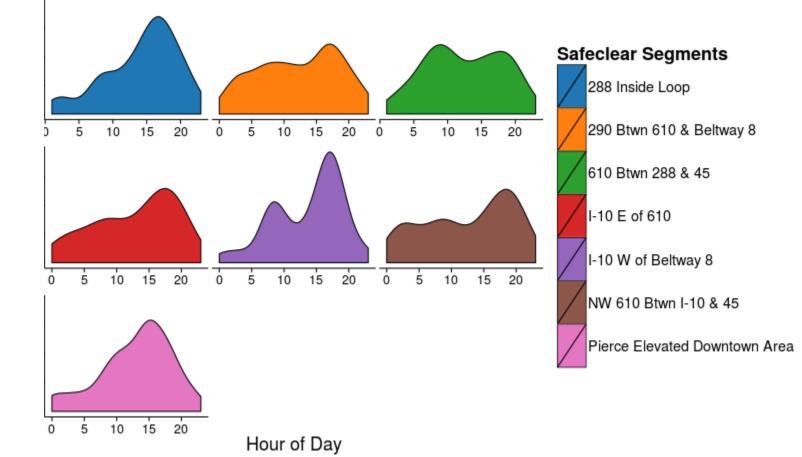


Number of Collisions per Segment



Time of Day

Proportion of Total Collisions per Segment at Time of Day

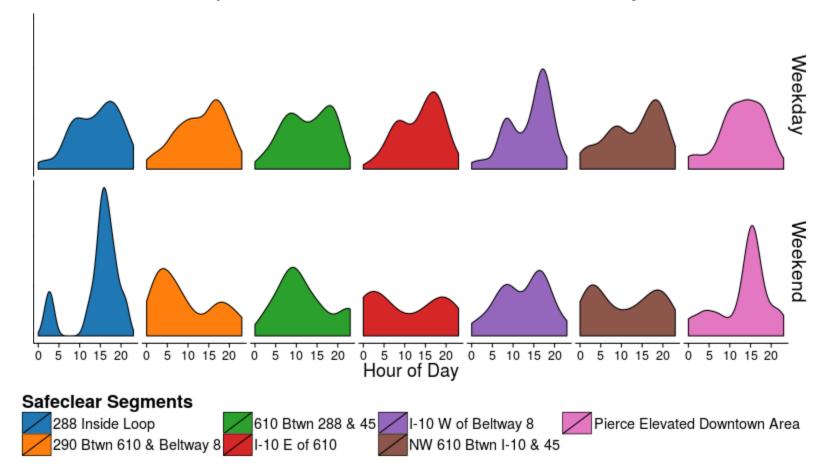


Proportion of Total Collisions at Time of Day

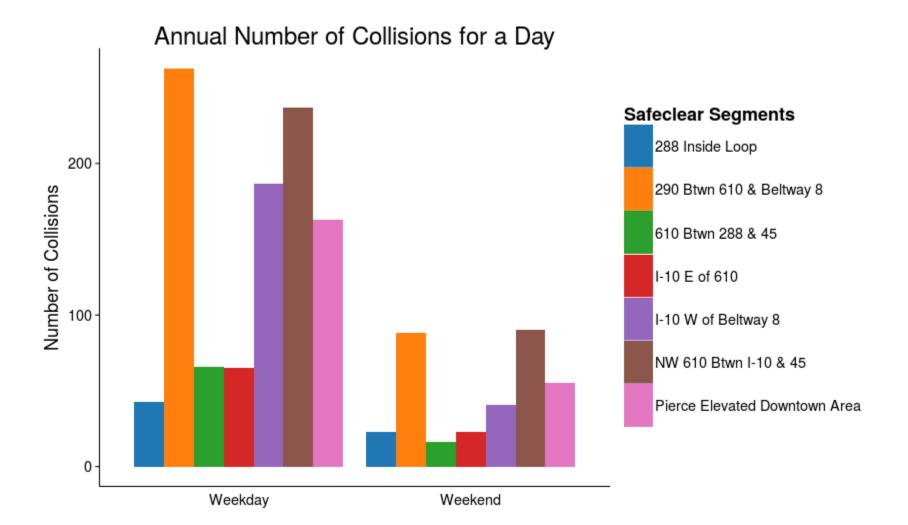
Time of Week

Proportion

Proportion of Total Collisions at Time of Day

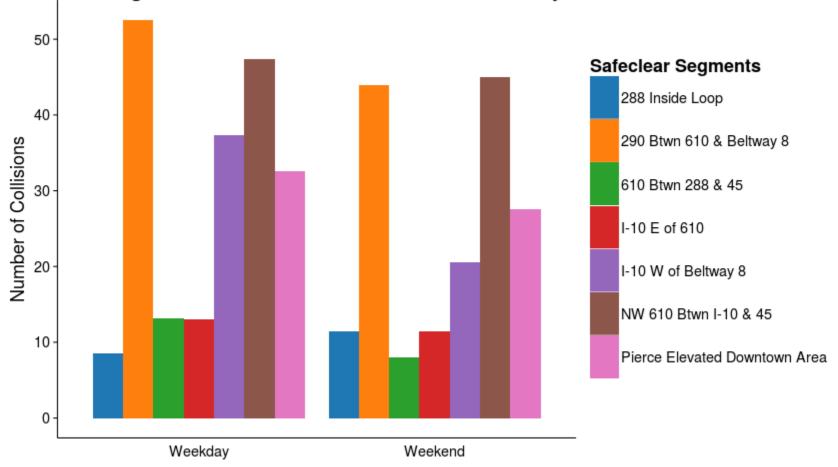


Time of Week

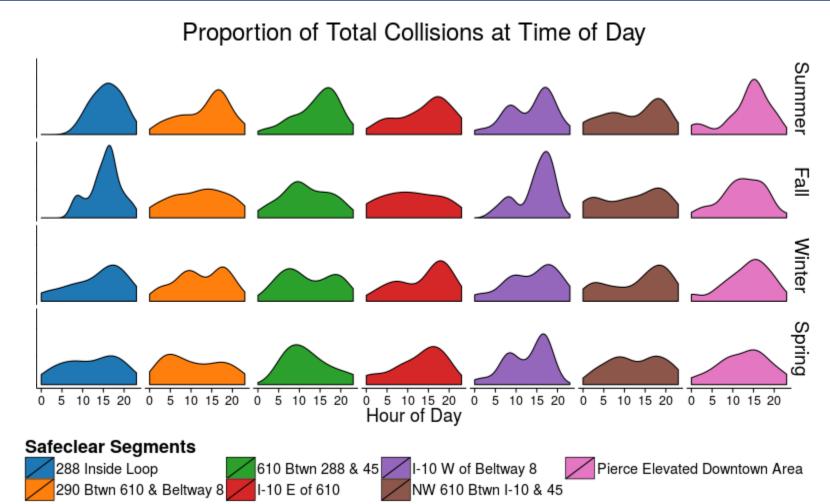


Time of Week

Average Annual Number of Collisions for a Day

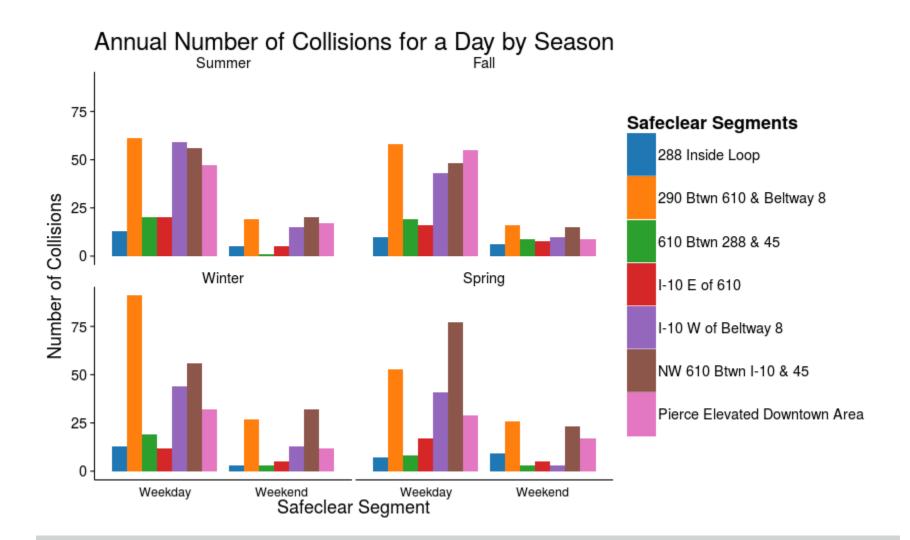


Time of Year

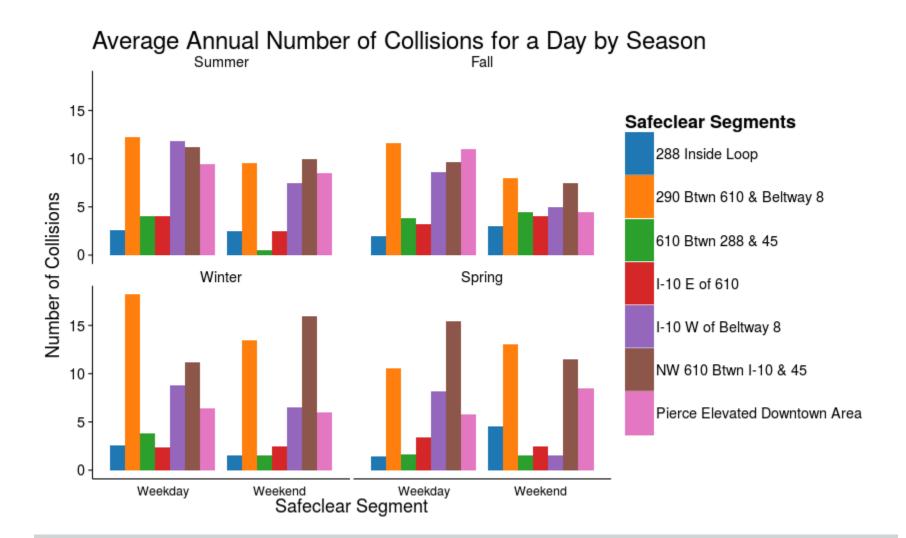


Proportion

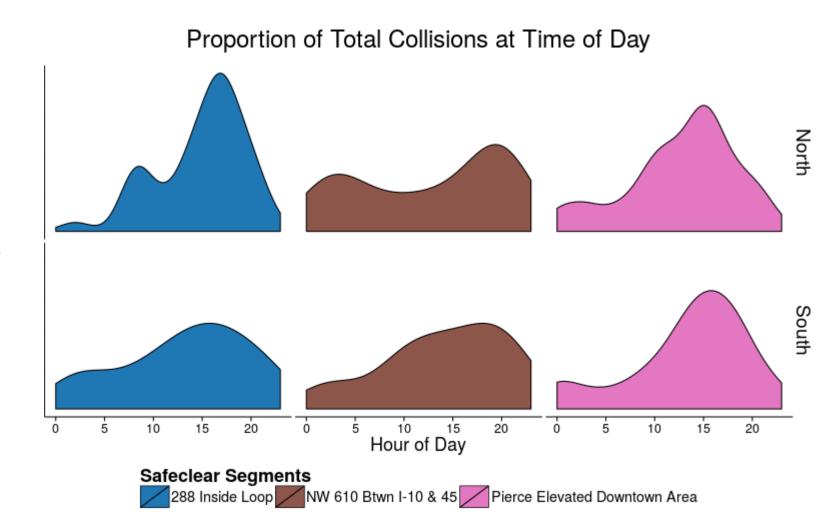
Time of Year



Time of Year

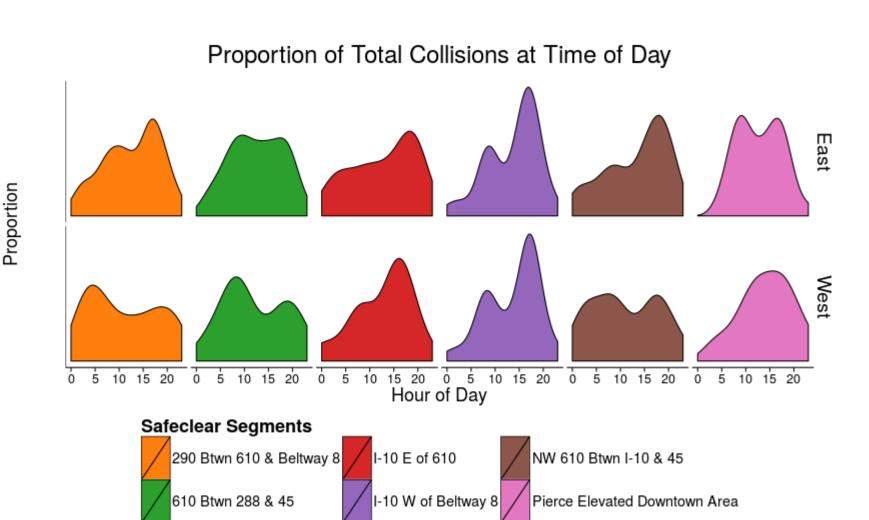


Direction - Time of Day

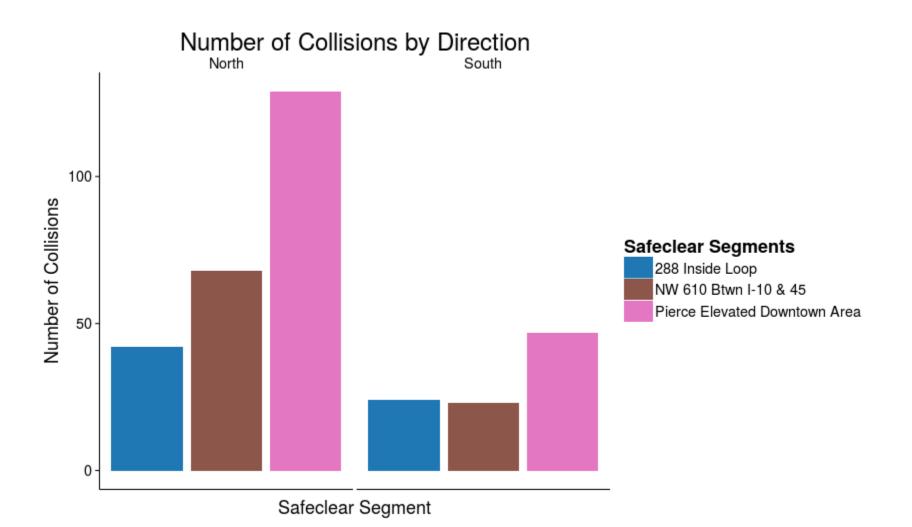


Proportion

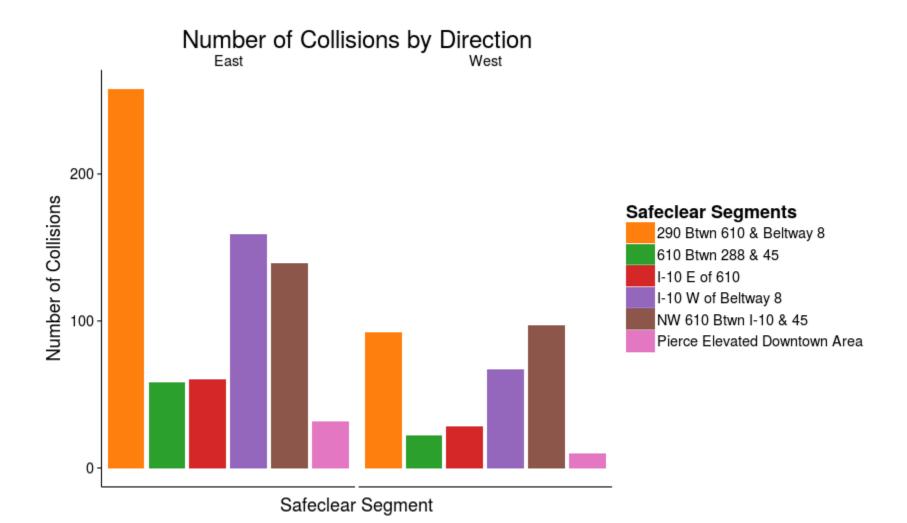
Direction



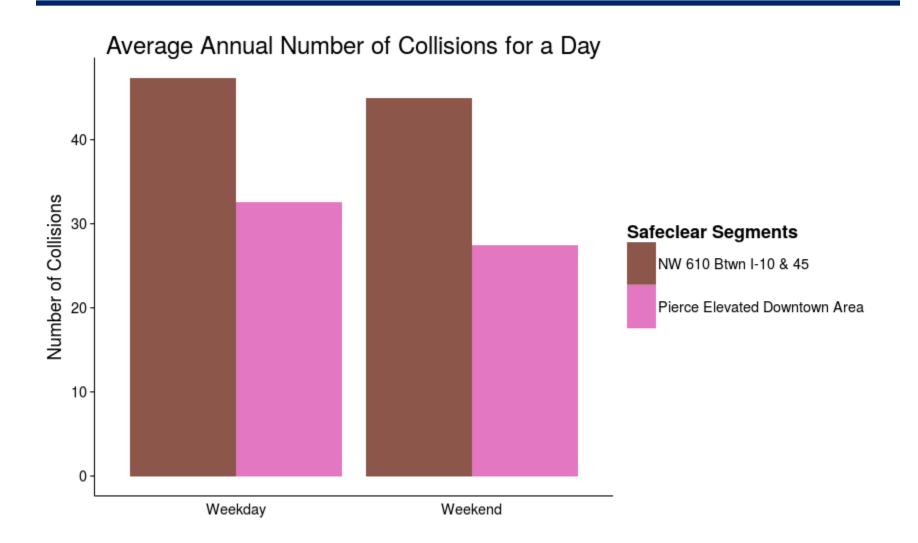
Direction



Direction

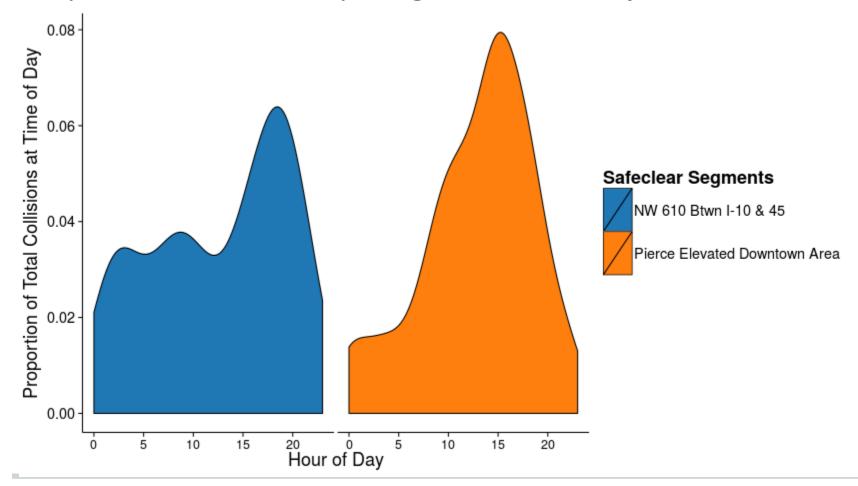


Similar Number of Collisions Between Weekend and Weekday



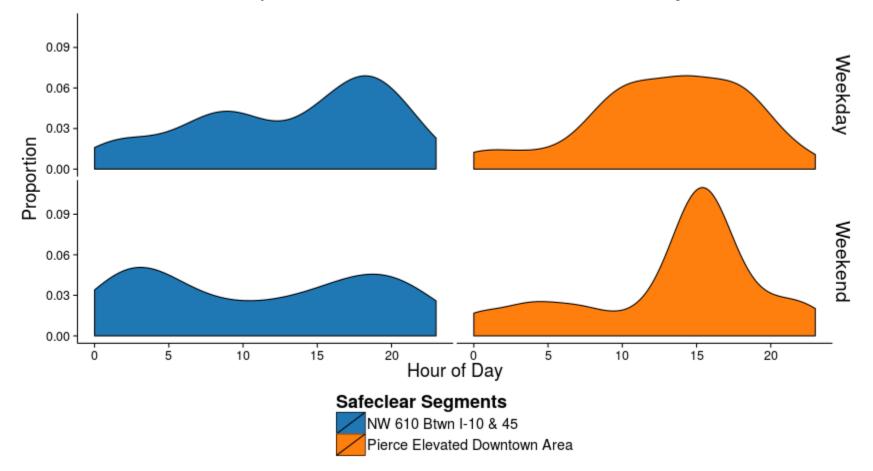
Candidates - Time of Day

Proportion of Total Collisions per Segment at Time of Day

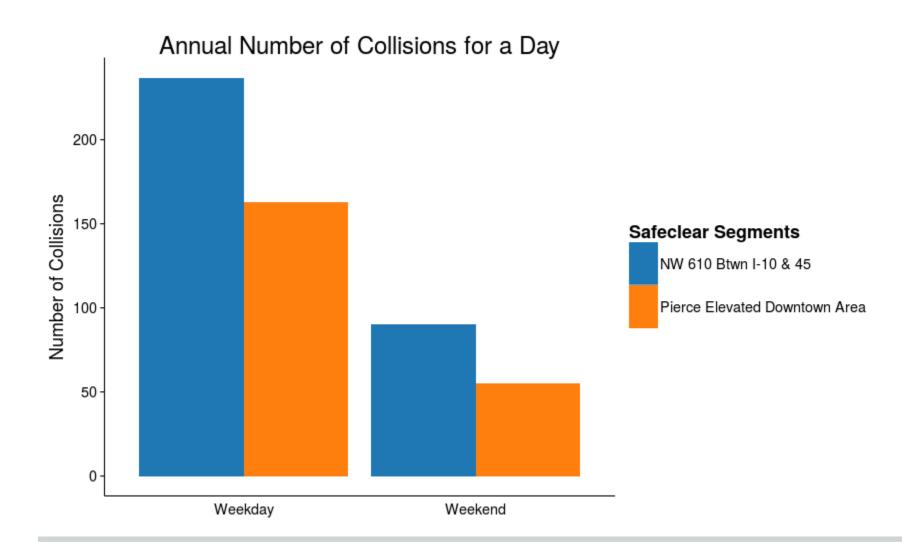


Weekend versus Weekday

Proportion of Total Collisions at Time of Day

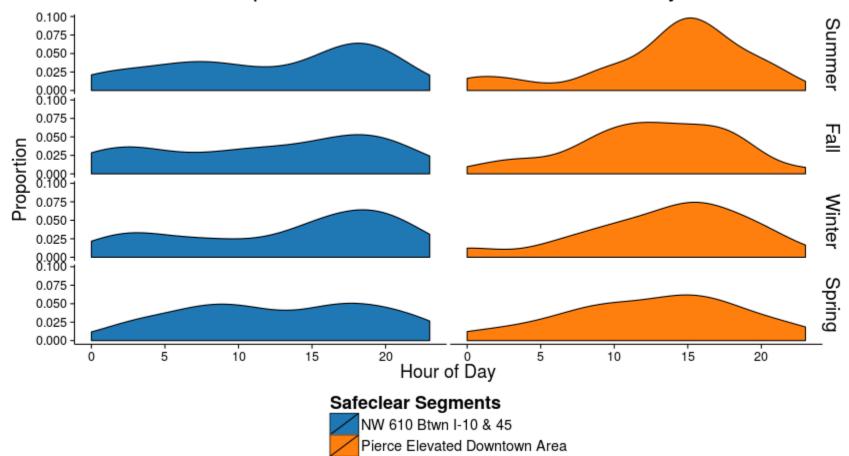


Candidates - Time of Week

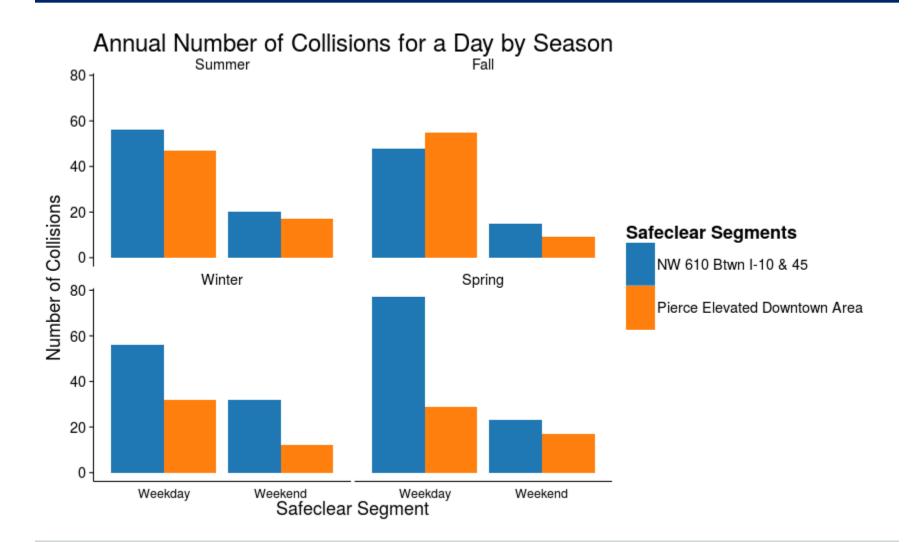


Candidates - Time of Year

Proportion of Total Collisions at Time of Day

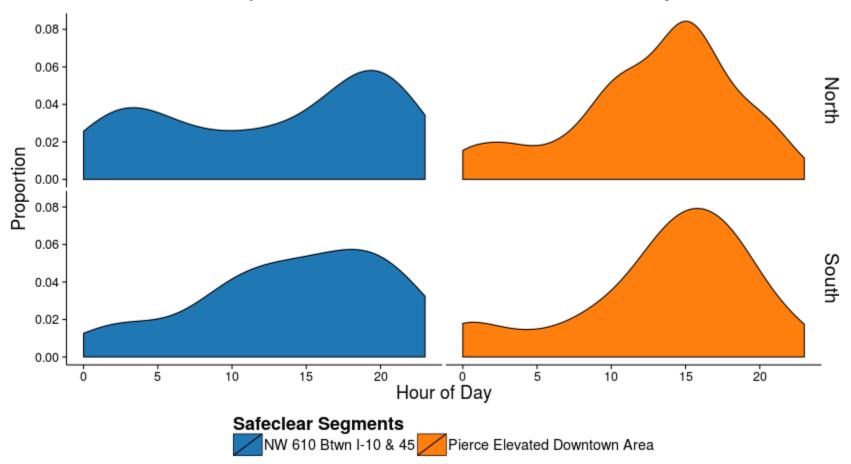


Candidates - Time of Year



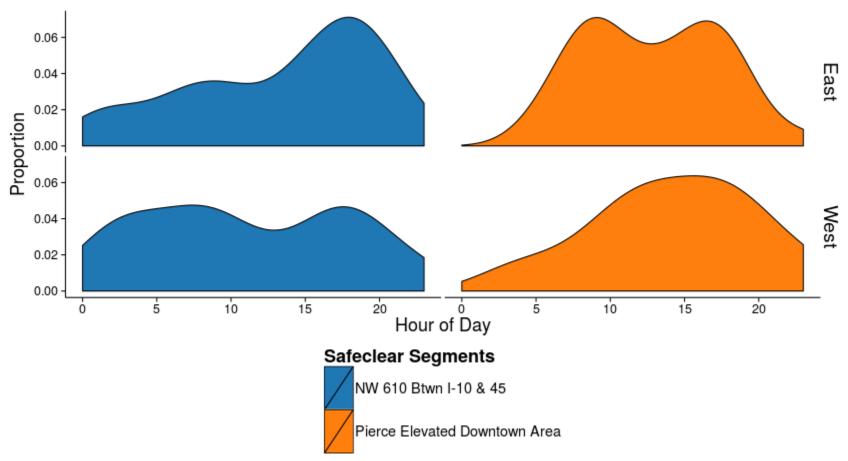
Candidates - Direction

Proportion of Total Collisions at Time of Day



Candidates - Direction

Proportion of Total Collisions at Time of Day



Police Presence

