VISION ZERO ACTION PLAN: ADDENDUM

Harris County VISION ZERO Safer Streets. Safer You.



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1. Introduction

This Vision Zero Action Plan Addendum (Addendum) identifies potential safety improvements for the highest risk corridors on Harris County's High Injury Network. The document is intended to accompany and serve as an addendum to the Vision Zero Action Plan (August 2022).

This Addendum represents the first of several phases to address traffic safety challenges on the High Injury Network. While roadway safety improvements are needed throughout the entire High Injury Network, the County must focus its limited resources on roadways that are under its maintenance and enforcement jurisdiction. The Addendum identifies safety projects for thirty-three of the highest risk corridors, which together comprise 73 miles or about 20 percent of the total miles of High Injury Network roadways located within the County's jurisdiction.

The Addendum identifies proven safety countermeasures that could be addressed quickly and/or at a low cost, as well as long-term roadway improvements needed to address traffic safety challenges on these highest risk corridors. Harris County will endeavor to fund, design, and implement these safety improvements over the next five to ten years to move closer to its goal of zero traffic related deaths and/or serious injuries on County roadways by 2030. The County will also seek opportunities to partner with State and local agency partners to implement safety projects on corridors that cross multiple jurisdictions.

2. High Risk Corridor Selection

As documented in the County's Vision Zero Action Plan, the High Injury Network (HIN) represents the six percent of local agency roadways that account for sixty percent of fatal and serious injury crashes during the 5-year timeframe from 2014 through 2018. Developed collaboratively with the City of Houston's Vision Zero Data Team, the High Injury Network consists of ½-mile roadway segments spatially joined to fatal and severe injury crash locations that occurred along or within 50-feet of the segment.

As shown in Figure 1, a data-driven screening process was used to examine the 2014-2018 Vision Zero High Injury Network and identify segments within Harris County's jurisdiction with the highest frequency of fatal and severe injury crashes. Section 5 provides supplemental details on the corridor selection methodology.

Figure 1. High Risk Corridor Selection







First, all High Injury Network segments within Harris County's jurisdiction were identified based on a geospatial comparison to Harris County's Road Log (roadway inventory database). A total of 812 High Injury Network segments (totaling 381 miles) were determined to be within Harris County's jurisdiction. Then, segments were scored separately based on the frequency of fatal (K) and serious injury (SI) crashes that occurred during the 5-year period from 2014 through 2018. The scoring methodology was inclusive of all modes and provided equal consideration for the worst segments for driving, bicycling, and walking (that is, segments with the highest number of pedestrian and bicyclist KSI crashes were scored the same as segments with the highest number of vehicular KSI crashes). The resulting KSI score (0 to 20) was used to rank and prioritize the highest ranked segments (identified as having a KSI score of 10 or higher) where safety improvements could reduce KSI crashes across all modes. Section 5 provides the ranking results for all High Injury Network segments in Harris County jurisdiction.

Next, the highest ranked segments were expanded into High Risk Corridors, which were selected based on logical project limits and include the highest ranked ½-mile High injury Network segments, as well as lower ranked segments of the High Injury Network in close proximity to the highest ranked segments. The project team worked closely with Harris County staff to ensure the ranking methodology and High Risk Corridor locations adequately reflect the highest risk segments based on staff knowledge of problem areas, ongoing or recently completed capital improvement projects, and priority needs for safety evaluation. The High Risk Corridor locations are summarized in Table 1 and Figure 2.

No.	Roadway	Corridor Limits	Length (mi)
1	Rankin Road	East of IH 45 NBFR to Imperial Valley Drive	1.0
2	Veterans Memorial Dr	FM 1960 to N Sam Houston Parkway W	4.2
3	Aldine Mail Road	Aldine Westfield Road to Easthampton Drive	2.6
4	Antoine Drive	Veterans Memorial Drive to N Sam Houston Parkway W	1.7
5	Stuebner Airline Road	North of Spring Cypress Road to FM 1960	5.2
6	Veterans Memorial Dr	N Sam Houston Parkway W to SH 249	3.4
7	W Montgomery Road	SH 249 to Wavell Street	2.0
8	Spencer Highway	Galveston Road to Somerton Drive	8.0
9	Dominion Park Drive	Kuykendahl Road to IH 45 Southbound Frontage Road	0.5
10	W Mount Houston Rd	IH 45 Northbound Frontage Road to Airline Drive	0.9
11	Barbers Hill Road	Garth Road to Crosby Barbers Hill Road	0.5
12	Hollow Tree Lane	Cali Drive to IH 45 Northbound Frontage Road	1.0
13	Ella Boulevard	At Barren Springs Drive	n/a
14	Jones Road	Grant Road to Ranchstone Drive	4.0
15	West Road	Veterans Memorial Drive to IH 45	1.75
16	Atascocita Road	Kings Parkway to FM 1960	0.9
17	Grant Road	Perry Road to SH 249	0.5
18	Louetta Road	SH 249 to Cannaberry Way	8.4
19	Airline Drive	N of West Road to Canino Road	3.5
20	Homestead Road	N of Tidwell Road to S of Miley Street	2.5
21	Homestead Road	S of Old Humble Road to Winfield Road	0.6
22	Huffman Cleveland Rd	Hickory Ridge Drive to Commons Vista Drive	1.7
23	W Lake Houston Pkwy	Pine Cup Drive to Atascocita Middle School	1.0
24	Bissonnet Street	Sugar Land Howell Road to Synott Road	1.3

Table 1. High Risk Corridor Locations





No.	Roadway	Corridor Limits	Length (mi)
25	Fry Road	N of Keith Harrow Boulevard to Franz Road	3.5
26	Fallbrook Drive	W of NW Park Drive to Veterans Memorial Drive	2.3
27	Spears Road	Veterans Memorial Drive to W of TC Jester	1.0
28	Spring Cypress Road	Memorial Spring Drive to W of Valka Road	2.2
29	W Little York Road	E of Hempstead Road to W of Fairbanks N Houston Rd	1.2
30	Alice Road	Green Meadow Road to SH 249	0.5
31	Barker Cypress Road	N of West Little York Road at Gummert Rd	0.7
32	Greenhouse Road	Clay Road to Golden Wave Drive	1.3
33	Greenhouse Road	IH-10 to Misty Cove Drive	2.5

3. High Risk Corridor Equity Impact

High Risk Corridors were evaluated based on their proximity to socially vulnerable population groups utilizing 2018 5-Year American Community Survey estimates. As shown in Table 2, High Risk Corridor census tracts comprise over 40 percent of all socially vulnerable population compared to the overall High Injury Network. Of the total number of persons living in poverty (372,687) in the High Injury Network census tracts, 165,448 or 44 percent are living in High Risk Corridor census tracts. Similarly, 43 percent of the minority population (all persons except White, non-Hispanic) who live in the High Injury Network census tracts are in High Risk Corridor census tracts. Of the households with no vehicles available, who, as bicyclists and pedestrians, are among the most vulnerable road users, 43 percent live in High Risk Corridor census tracts. Furthermore, almost half, or 48 percent, of the persons who speak English less than well in the High Injury Network census tracts are in the High Injury Network census tracts. Of the total population of persons aged 65 years or older in the High Injury Network census tracts, 39 percent live in the High Risk Corridor census tracts.

In other words, the High Risk Corridors rank high not only because of higher KSI Scores but also because approximately 40 percent of the socially vulnerable population in the High Injury Network census tracts lives in the High Risk Corridor census tracts. Therefore, the proposed roadway safety improvements in the High Risk Corridor locations will impact roadway safety for a significant portion of socially vulnerable persons living in the High Injury Network census tracts.

Table 2. Social Vulnerability

Socially Vulnerable Population Groups	Population in High Injury Network Census Tracts	Population in High Risk Corridor Census Tracts	Percent of High Injury Network Census Tracts that is in Priority Network Census Tracts
Persons Below Poverty	372,687	165,448	44
Minority (All Persons Except White, non-Hispanic)	1,874,565	804,064	43
Households With No Vehicle Available	38,706	16,563	43
Persons (age 5+) Who Speak English "Less Than Well"	256,211	124,230	48
Persons Age 65 Years or Older	242,915	93,599	39

Source: 2014-2018 American Community Survey 5-Year Estimates



Figure 2. High Risk Corridor Locations





High Risk Corridor Safety Improvements 4.

A high-level safety assessment was conducted to evaluate the roadway and traffic characteristics for each High Risk Corridor, as well as the locations, contributing factors, and types of fatal and severe injury crashes. Section 6 provides supplemental details on the criteria used to categorize crash characteristics for the corridors. Crash trends were evaluated for the 5-year period of 2014 through 2018 (consistent with the Vision Zero Action Plan), as well as for the 3-year period from 2019 through 2021 (to assess recent fatal and severe injury crashes occurring on the corridor).

The corridors summaries on the following pages provide a snapshot of roadway and crash characteristics and social vulnerability (low, medium, or high) for each High Risk Corridor. Note that corridors are listed in order based on the KSI score for the highest ranked ¹/₂-mile High Injury Network segment on that corridor and not for the corridor as a whole. Corridors were defined based on logical project limits and may be comprised of multiple highest ranked 1/2-mile High Injury Network segments, as well as lower ranked segments in close proximity.

Each corridor was evaluated based on existing roadway cross-section, daily traffic volumes, and predominant crash characteristics to identify applicable safety countermeasures for each High Risk Corridor. FHWA's collection of Proven Safety Countermeasures offer significant, measurable impacts in reducing roadway fatalities and serious injuries. These countermeasures address common roadway safety challenges such as speeding, intersection-related, roadway departure, or pedestrian/bicyclist-related crashes, as well as crosscutting strategies that address multiple focus areas. In some cases, major roadway cross section improvements may be needed to address crash challenges along the corridor. Figure 3 summarizes the proven safety countermeasures and roadway safety improvements considered for implementation on High Risk Corridors. Road safety audits and setting appropriate speed limits for all road users will be considered for all corridors.

Speed Management & Roadway Departure	Intersection	Pedestrian/Bicyclist	Cross Cutting
 Appropriate speed limits for all road users Wider edge lines Enhanced delineation for horizontal curves Longitudinal rumble strips and stripes Roadside design improvements at curves Paved shoulders 	 Reflective backplates* Low-cost countermeasures at stop-controlled intersections Yellow change intervals Traffic signal modifications Traffic signal installation Corridor access management Left- and right-turn lanes at intersections 	 Crosswalk visibility enhancements Actuated pedestrian flashing beacons Leading pedestrian intervals Pedestrian refuge islands Road diets (roadway reconfiguration) Sidewalk improvements Bicycle lanes 	 Pavement friction management Safety lighting Road safety audits Roadway cross section improvements (boulevard with raised median & curb/ gutter drainage)

* Note: Reflective backplates may be considered as a safety countermeasure depending on intersection conditions, roadway characteristics, and maintenance considerations.





1. Rankin Road

E. of IH 45 Northbound Frontage Road to Imperial Valley Drive

Corridor Characteristics

Precinct	1
Length	1.0 mi
Functional Classification	Major thoroughfare
Posted Speed	45 mph
Right of Way Width	80 ft
Existing Cross Section	4-lane undivided
Drainage	Open ditch
Daily Traffic Volume (21)	22,800
Social Vulnerability	High

Crash Severity (2014-2021)

Fatal (K) Crashes	4
Serious Injury (SI) Crashes	21
Total KSI Crashes	25
KSI Crashes per Mile	25.0

Crash Trends (2014-2021)

Vision Zero Safety Improvement Considerations







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FM 1960 to N. Sam Houston Parkway W.

Corridor Characteristics

Precinct	1
Length	4.2 mi
Functional Classification	Major thoroughfare
Posted Speed	45 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane undivided
Drainage	Open ditch
Daily Traffic Volume (21)	21,100-28,500
Social Vulnerability	High

Crash Severity (2014-2021)

Fatal (K) Crashes	16
Serious Injury (SI) Crashes	64
Total KSI Crashes	80
KSI Crashes per Mile	19.0

Crash Trends (2014-2021) Modes Involved in Serious Time of Day for Serious Injury Injury and Fatal Crashes and Fatal Crashes Bicyclist Dusk or 5% Nighttime Pedestrian 59% 17%



Daytime 41%

Vision Zero Safety Improvement Considerations





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Precinct	2
Length	2.6 mi
Functional Classification	Major thoroughfare
Posted Speed	35 mph
Right of Way Width	80 ft
Existing Cross Section	4-lane undivided
Drainage	Open ditch
Daily Traffic Volume (21)	16,600-22,500
Social Vulnerability	High

Crash Severity (2014-2021)

Fatal (K) Crashes	9
Serious Injury (SI) Crashes	24
Total KSI Crashes	33
KSI Crashes per Mile	12.7

Crash Trends (2014-2021) Modes Involved in Serious Time of Day for Serious Injury Injury and Fatal Crashes and Fatal Crashes Dusk or Nighttime Pedestrian 52% 36% Moto Vehicle 64%

Daytime

48%









4. Antoine Drive

Veterans Memorial Drive to N. Sam Houston Parkway W.

Corridor Characteristics

Precinct	1
Length	1.7 mi
Functional Classification	Major thoroughfare
Posted Speed	30-35 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane divided
Drainage	Storm Sewer
Daily Traffic Volume (21)	15,200-17,400
Social Vulnerability	Medium

Crash Severity (2014-2021)

Fatal (K) Crashes	3
Serious Injury (SI) Crashes	22
Total KSI Crashes	25
KSI Crashes per Mile	14.7









Precinct	3
Length	5.2 mi
Functional Classification	Major thoroughfare
Posted Speed	40-45 mph
Right of Way Width	100-120 ft
Existing Cross Section	Varies
Drainage	Varies
Daily Traffic Volume (21)	17,900-22,700
Social Vulnerability	Low

Crash Severity (2014-2021)

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Fatal (K) Crashes	8
Serious Injury (SI) Crashes	21
Total KSI Crashes	29
KSI Crashes per Mile	5.6

Crash Trends (2014-2021)









N. Sam Houston Parkway W. to SH 249

Corridor Characteristics

Precinct	2
Length	3.4 mi
Functional Classification	Major thoroughfare
Posted Speed	45 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane undivided
Drainage	Open ditch
Daily Traffic Volume (21)	18,600-21,600
Social Vulnerability	High

Crash Severity (2014-2021)

Fatal (K) Crashes	8
Serious Injury (SI) Crashes	27
Total KSI Crashes	35
KSI Crashes per Mile	10.3

Crash Trends (2014-2021) Modes Involved in Serious Time of Day for Serious Injury Injury and Fatal Crashes and Fatal Crashes Bicyclist Dusk or 3% Pedestrian Nighttime 23% 66% Moto Vehicle 74%

Daytime

34%

Top Factors for Serious Injury and Fatal Crashes Failed to Control **Driver** Inattention Speed 12% 11% Excessive Speed Failed to Yield ROW 3% 3% Vision Obstructed **Disregard Traffic** 3% Sign/Signal 6% Other 14% Alcohol/Drug Involved Vulnerable Use 31% not Considered 6% Pedestrian FTY ROW to Vehicle 11%









311249 to Waven Street

Corridor Characteristics

Precinct	1
Length	2.0 mi
Functional Classification	Major thoroughfare
Posted Speed	30-35 mph
Right of Way Width	40 ft
Existing Cross Section	4-lane divided
Drainage	Open ditch
Daily Traffic Volume (21)	11,000-17,700
Social Vulnerability	High

Crash Severity (2014-2021)

Fatal (K) Crashes	4
Serious Injury (SI) Crashes	12
Total KSI Crashes	16
KSI Crashes per Mile	8.0

Crash Trends (2014-2021)









Precinct	2
Length	8.0 mi
Functional Classification	Major thoroughfare
Posted Speed	35-40 mph
Right of Way Width	100 ft
Existing Cross Section	7-lane w/CTWLTL
Drainage	Storm sewer
Daily Traffic Volume (21)	19,300-26,400
Social Vulnerability	Medium

Crash Severity (2014-2021)

Fatal (K) Crashes	18
Serious Injury (SI) Crashes	101
Total KSI Crashes	119
KSI Crashes per Mile	14.9

Crash Trends (2014-2021)









9. Dominion Park Drive

Kuykendahl Road to IH 45 Southbound Frontage Road

Corridor Characteristics

Precinct	1
Length	0.5 mi
Functional Classification	Collector
Posted Speed	35 mph
Right of Way Width	45 ft
Existing Cross Section	4-lane divided
Drainage	Storm Sewer
Daily Traffic Volume (21)	5,200
Social Vulnerability	High

Crash Severity (2014-2021)

Fatal (K) Crashes	2
Serious Injury (SI) Crashes	3
Total KSI Crashes	5
KSI Crashes per Mile	10.0



Crash Trends (2014-2021)

Other 40%

Vision Zero Safety Improvement Considerations



Short-Term (1 to 3 years)





Low-Cost Countermeasures at Stop-Controlled Intersections

Sidewalk Improvements

Traffic Signal Installation





10. W. Mount Houston Road

IH 45 Northbound Frontage Road to Airline Drive

Corridor Characteristics

Precinct	2
Length	0.9 mi
Functional Classification	Collector
Posted Speed	35 mph
Right of Way Width	60 ft
Existing Cross Section	2- to 4-lane undivided
Drainage	Storm sewer
Daily Traffic Volume (21)	8,800
Social Vulnerability	High

Crash Severity (2014-2021)

Fatal (K) Crashes	2
Serious Injury (SI) Crashes	7
Total KSI Crashes	9
KSI Crashes per Mile	10.0

Crash Trends (2014-2021)



Vision Zero Safety Improvement Considerations



Section w/ Curb &

Gutter Drainage





Sidewalk Improvements Bicycle Lanes (Add Shoulders)





Precinct	3
Length	0.5 mi
Functional Classification	Major thoroughfare
Posted Speed	40 mph
Right of Way Width	60 ft
Existing Cross Section	2-lane undivided
Drainage	Open ditch
Daily Traffic Volume (21)	2,200 (Garth Rd 7,400)
Social Vulnerability	High

Crash Severity (2014-2021)

Fatal (K) Crashes	2
Serious Injury (SI) Crashes	13
Total KSI Crashes	15
KSI Crashes per Mile	30.0









Precinct	1
Length	1.0 mi
Functional Classification	Residential
Posted Speed	20-30 mph
Right of Way Width	60 ft
Existing Cross Section	2-lane undivided
Drainage	Storm sewer
Daily Traffic Volume (21)	13,100
Social Vulnerability	Medium

Crash Severity (2014-2021)

Fatal (K) Crashes	3
Serious Injury (SI) Crashes	5
Total KSI Crashes	8
KSI Crashes per Mile	8.0

Crash Trends (2014-2021)



Vision Zero Safety Improvement Considerations









Sidewalk Improvements

Bicycle Lanes (Add Shoulders)

Road Safety Audits





Precinct	1
Length	n/a
Functional Classification	Major thoroughfare
Posted Speed	40 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane divided 2-lane undivided
Drainage	Storm sewer
Daily Traffic Volume (21)	17,100 4,100
Social Vulnerability	Medium

Crash Severity (2014-2021)

Fatal (K) Crashes	0
Serious Injury (SI) Crashes	9
Total KSI Crashes	9

Safety Improvement Considerations



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Crash Trends (2014-2021)



Top Factors for Serious Injury and Fatal Crashes









Precinct	3
Length	4.0 mi
Functional Classification	Major thoroughfare
Posted Speed	40 mph
Right of Way Width	100 ft
Existing Cross Section	7-lane w/CTWLTL
Drainage	Open ditch
Daily Traffic Volume (21)	16,900 – 39,400
Social Vulnerability	Low

Crash Severity (2014-2021)

Fatal (K) Crashes	8
Serious Injury (SI) Crashes	36
Total KSI Crashes	44
KSI Crashes per Mile	11.0

Crash Trends (2014-2021)









15. West Road Veterans Memorial Drive to IH-45 Northbound Frontage Road

Corridor Characteristics

Precinct	2
Length	1.75 mi
Functional Classification	Major thoroughfare
Posted Speed	45 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane divided
Drainage	Storm sewer
Daily Traffic Volume (21)	4,100-26,500
Social Vulnerability	Medium

Crash Severity (2014-2021)

Fatal (K) Crashes	6
Serious Injury (SI) Crashes	18
Total KSI Crashes	24
KSI Crashes per Mile	13.7

Crash Trends (2014-2021)











Precinct	3
Length	0.9 mi
Functional Classification	Major thoroughfare
Posted Speed	45 mph
Right of Way Width	80 ft
Existing Cross Section	5-lane w/CTWLTL
Drainage	Storm sewer
Daily Traffic Volume (21)	15,800
Social Vulnerability	Low

Crash Severity (2014-2021)

Fatal (K) Crashes	1
Serious Injury (SI) Crashes	9
Total KSI Crashes	10
KSI Crashes per Mile	11.1

Crash Trends (2014-2021)









Precinct	3
Length	0.5 mi
Functional Classification	Major thoroughfare
Posted Speed	40 mph
Right of Way Width	120 ft
Existing Cross Section	5-lane w/CTWLTL
Drainage	Storm sewer
Daily Traffic Volume (21)	16,700
Social Vulnerability	Low

Crash Severity (2014-2021)

Fatal (K) Crashes	2
Serious Injury (SI) Crashes	6
Total KSI Crashes	8
KSI Crashes per Mile	16.0

Crash Trends (2014-2021)





<sup>Lecent
Person
Perso</sup>



Precinct	3
Length	8.4 mi
Functional Classification	Major thoroughfare
Posted Speed	40 mph
Right of Way Width	100 ft
Existing Cross Section	Varies
Drainage	Varies
Daily Traffic Volume (21)	31,200-35,800
Social Vulnerability	Low

Crash Severity (2014-2021)

Fatal (K) Crashes	9
Serious Injury (SI) Crashes	55
Total KSI Crashes	64
KSI Crashes per Mile	7.6

Crash Trends (2014-2021)











Precinct	2
Length	3.5 mi
Functional Classification	Major Thoroughfare
Posted Speed	35 mph
Right of Way Width	120 ft
Existing Cross Section	Varies
Drainage	Storm sewer
Daily Traffic Volume (21)	17,000-20,400
Social Vulnerability	Medium

Crash Severity (2014-2021)

Fatal (K) Crashes	10
Serious Injury (SI) Crashes	27
Total KSI Crashes	37
KSI Crashes per Mile	10.6

Crash Trends (2014-2021)











Precinct	1
Length	2.5 mi
Functional Classification	Major thoroughfare
Posted Speed	40 mph
Right of Way Width	100 ft
Existing Cross Section	6-lane divided
Drainage	Storm sewer
Daily Traffic Volume (21)	14,500-16,100
Social Vulnerability	High

Crash Severity (2014-2021)

Fatal (K) Crashes	6
Serious Injury (SI) Crashes	33
Total KSI Crashes	39
KSI Crashes per Mile	15.6

Crash Trends (2014-2021) Modes Involved in Serious Time of Day for Serious Injury **Injury and Fatal Crashes** and Fatal Crashes Bicyclist Dusk or 8% Nighttime edestrian 49% Daytime 51% 25% Moto Vehicle 67% Top Factors for Serious Injury and Fatal Crashes Failed to Control Driver Inattention Speed 3% 5% **Excessive Speed** Failed to Yield ROW 16% 18% Alcohol/Drug Disregard Traffic Involved Sign/Signal 10% 5% Pedestrian FTY ROW to Vehicle 10%

Other 33%

Vision Zero Safety Improvement Considerations





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Precinct	1 & 2
Length	1.2 mi
Functional Classification	Major thoroughfare
Posted Speed	40 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane divided
Drainage	Storm sewer
Daily Traffic Volume (21)	17,300
Social Vulnerability	High

Crash Severity (2014-2021)

Fatal (K) Crashes	3
Serious Injury (SI) Crashes	13
Total KSI Crashes	16
KSI Crashes per Mile	13.3

Crash Trends (2014-2021)



Vision Zero Safety Improvement Considerations





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Precinct	3
Length	1.7 mi
Functional Classification	Major thoroughfare (to be widened)
Posted Speed	45 mph
Right of Way Width	60 ft
Existing Cross Section	2-lane undivided
Drainage	Open ditch
Daily Traffic Volume (21)	10,700
Social Vulnerability	Low

Crash Severity (2014-2021)

Fatal (K) Crashes	4
Serious Injury (SI) Crashes	7
Total KSI Crashes	11
KSI Crashes per Mile	6.5

Crash Trends (2014-2021)



Vision Zero Safety Improvement Considerations









Low-Cost

Countermeasures

at Stop-Controlled Intersections



and Stripes



SafetyEdgesm

Pedestrian KSI Crash Bicyclist KSI Crash Vehicular KSI Crash Huffr in Cleveland Rd Huffman New Caney Rd Huffr an New Caney Rd



23. W. Lake Houston Parkway

Pine Cup Drive to Atascocita Middle School South Boundary

Corridor Characteristics

Precinct	3
Length	1.0 mi
Functional Classification	Major thoroughfare
Posted Speed	35 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane divided
Drainage	Storm sewer
Daily Traffic Volume (21)	22,600-24 000
Social Vulnerability	Low

Crash Severity (2014-2021)

Fatal (K) Crashes	2
Serious Injury (SI) Crashes	5
Total KSI Crashes	7
KSI Crashes per Mile	7.0

Crash Trends (2014-2021)

Modes Involved in Serious Time of Day for Serious Injury **Injury and Fatal Crashes** and Fatal Crashes Dusk or Pedestrian Motor Daytime Nighttime 14% Vehicle 71% 29% 86% Top Factors for Serious Injury and Fatal Crashes Failed to Yield ROW 29% Alcohol/Drug Involved 43% Other 14% Pedestrian FTY ROW to Vehicle 14%









Precinct	4
Length	1.3 mi
Functional Classification	Major thoroughfare
Posted Speed	35 mph
Right of Way Width	120 ft
Existing Cross Section	4-lane divided
Drainage	Storm sewer
Daily Traffic Volume (21)	20,100
Social Vulnerability	Medium

Crash Severity (2014-2021)

Fatal (K) Crashes	5
Serious Injury (SI) Crashes	4
Total KSI Crashes	9
KSI Crashes per Mile	6.9

Crash Trends (2014-2021)









Precinct	4
Length	3.5 mi
Functional Classification	Major thoroughfare
Posted Speed	40 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane divided
Drainage	Varies
Daily Traffic Volume (21)	27,100-39,600
Social Vulnerability	Low

Crash Severity (2014-2021)

Fatal (K) Crashes	4
Serious Injury (SI) Crashes	26
Total KSI Crashes	30
KSI Crashes per Mile	8.6

Crash Trends (2014-2021)









26. Fallbrook Drive W. of Northwest Park Drive to Veterans Memorial Drive

Corridor Characteristics

Precinct	1 & 2
Length	2.3 mi
Functional Classification	Major thoroughfare
Posted Speed	35 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane divided
Drainage	Storm sewer
Daily Traffic Volume (21)	5,800
Social Vulnerability	Medium

Crash Severity (2014-2021)

Fatal (K) Crashes	5
Serious Injury (SI) Crashes	7
Total KSI Crashes	12
KSI Crashes per Mile	5.2

Crash Trends (2014-2021)









Precinct	1
Length	1.0 mi
Functional Classification	Major thoroughfare
Posted Speed	40 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane divided
Drainage	Storm Sewer
Daily Traffic Volume (21)	20,400
Social Vulnerability	Medium

Crash Severity (2014-2021)

Fatal (K) Crashes	3
Serious Injury (SI) Crashes	10
Total KSI Crashes	13
KSI Crashes per Mile	13.0

Crash Trends (2014-2021)











Precinct	3	
Length	2.2 mi	
Functional Classification	Major thoroughfare	
Posted Speed		
Right of Way Width	100 ft	
Existing Cross Section	4-lane undivided	
Drainage	Open ditch	
Daily Traffic Volume (21)	29,700-34,600	
Social Vulnerability	Low	

Crash Severity (2014-2021)

Fatal (K) Crashes	4
Serious Injury (SI) Crashes	11
Total KSI Crashes	15
KSI Crashes per Mile	6.8

Crash Trends (2014-2021)









29. W. Little York Road

Empire Central Drive to W. of Fairbanks North Houston Road

Corridor Characteristics

Precinct	1
Length	1.2 mi
Functional Classification	Major thoroughfare
Posted Speed	40 mph
Right of Way Width	120 ft
Existing Cross Section	4-lane undivided
Drainage	Open ditch
Daily Traffic Volume (21)	14,700-17,000
Social Vulnerability	High

Crash Severity (2014-2021)

Fatal (K) Crashes	4
Serious Injury (SI) Crashes	8
Total KSI Crashes	12
KSI Crashes per Mile	10.0

Crash Trends (2014-2021)

Modes Involved in Serious Time of Day for Serious Injury and Fatal Crashes **Injury and Fatal Crashes** Bicyclist Dusk or Motor 9% Pedestrian Nighttime Daytime Vehicle 8% 50% 50% 83% Top Factors for Serious Injury and Fatal Crashes Driver Inattention Disregard Traffic Sign/Signal 8% 8% Other 34% Alcohol/Drug Involved 50%











30. Alice Road Green Meadow Road to State Highway 249 Business

Corridor Characteristics

Precinct	4
Length	0.5 mi
Functional Classification	Residential
Posted Speed	35 mph
Right of Way Width	60 ft
Existing Cross Section	2-lane undivided
Drainage	Open ditch
Daily Traffic Volume (21)	3,400
Social Vulnerability	Medium

Crash Severity (2014-2021)

Fatal (K) Crashes	2
Serious Injury (SI) Crashes	2
Total KSI Crashes	4
KSI Crashes per Mile	8.0

Crash Trends (2014-2021)

Modes Involved In Serious Injury and Fatal Crashes Motor Vehicle 100% Dusk or Nighttime 25% Dusk or Nighttime 75% Dusk or Nighttime



Vision Zero Safety Improvement Considerations





Long-Term (5 to 8 years)






N. of West Little York Road to Gummert Road

Corridor Characteristics

Precinct	4
Length	0.7 mi
Functional Classification	Major thoroughfare
Posted Speed	45 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane divided
Drainage	Storm sewer
Daily Traffic Volume (21)	32,000
Social Vulnerability	Low

Crash Severity (2014-2021)

Fatal (K) Crashes	4
Serious Injury (SI) Crashes	12
Total KSI Crashes	16
KSI Crashes per Mile	22.9

Crash Trends (2014-2021)



Vision Zero Safety Improvement Considerations







Corridor Characteristics

Precinct	4
Length	1.3 mi
Functional Classification	Major thoroughfare
Posted Speed	45 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane divided
Drainage	Storm sewer
Daily Traffic Volume (21)	26,000
Social Vulnerability	Low

Crash Severity (2014-2021)

Fatal (K) Crashes	2
Serious Injury (SI) Crashes	9
Total KSI Crashes	11
KSI Crashes per Mile	8.5



Crash Trends (2014-2021)

Vision Zero Safety Improvement Considerations







Corridor Characteristics

Precinct	4
Length	2.5 mi
Functional Classification	Major thoroughfare
Posted Speed	40-45 mph
Right of Way Width	100 ft
Existing Cross Section	4-lane divided
Drainage	Storm sewer
Daily Traffic Volume (21)	33,300
Social Vulnerability	Low

Crash Severity (2014-2021)

Fatal (K) Crashes	6
Serious Injury (SI) Crashes	9
Total KSI Crashes	15
KSI Crashes per Mile	6.0



Vision Zero Safety Improvement Considerations









Potential safety improvements for each High Risk Corridor are provided in more detail in Table 3. The improvements include both low-cost, quick-build safety projects that could be constructed within one to three years, as well as longer term roadway improvement needs for each corridor. The actual timeframe for implementation will depend on grants and other funding opportunities available to implement the projects.

A preliminary, planning-level cost estimate of the investment needed to construct the improvements is also provided in the table. The estimates are categorized based on magnitude of cost (low, medium, or high) using a simplified cost estimating method as detailed in Section 7. The estimates focus on safety improvements only and do not include right-of-way acquisition, detention, and other costs associated with full corridor revitalization. Further refinement of proposed safety improvements and cost estimates are expected to occur as part of the Vision Zero Phase 2 project.





Table 3. Vision Zero Safety Improvement Considerations for High Risk Corridors

Rank	Roadway	Corridor Limits	Length (mi)	Vision Zero Safety Improvement Considerations	Planning Level Cost Estimate Low: <\$2.5M Medium: \$2.5-\$10M High: >\$10M
1	Rankin Road	East of IH 45 NBFR to Imperial Valley Drive	1.0	Short Term: Install wider edge line pavement markings, wider centerline pavement markings (may require minor widening since existing lanes are 11' wide), street lighting, traffic signal timing & synchronization improvements, and install ADA ramps and leading pedestrian intervals at Imperial Valley. Install pedestrian/bicycle access extensions (beyond the limits of ROW) to: 1) the skate park in the southwest quadrant of I-45, 2) METRO Kuykendahl Park and Ride, and 3) Greens bayou and the adjacent HCFCD detention pond site. Long term: Construct 4-lane boulevard section with raised median, curb/gutter drainage, and sidewalks.	High
2	Veterans Memorial Dr	FM 1960 to N Sam Houston Parkway W	4.2	 Short term: Restripe existing 5-lane section w/CTWLTL between FM 1960 & Richey Road (1.5 mi) & between Antoine Drive & Greens Road (1 mi); driveway consolidation; add pedestrian signals/crosswalks at Fountainhead Drive, Sableridge Drive, Blackpool Lane, Spears Road, Antoine Drive, S. Camden Parkway, & Willow Tree Drive; signal warrant/potential traffic signal at Veterans Memorial at Kelly Lane (2 fatalities at this intersection) (could operate split phase with intersection at S. Camden Parkway), street lighting, leading pedestrian intervals/traffic signal timing & synchronization at all signals. Long term: boulevard section with raised median and curb/gutter drainage, sidewalks. 	High



Rank	Roadway	Corridor Limits	Length (mi)	Vision Zero Safety Improvement Considerations	Planning Level Cost Estimate Low: <\$2.5M Medium: \$2.5-\$10M High: >\$10M
3	Aldine Mail Road	Aldine Westfield Road to Easthampton Drive	2.6	Short term: Add pedestrian refuge island w/actuated flashing beacon near midblock crossing at MacArthur High School (possible candidate for Safe Routes to Schools funding), street lighting. Mid term: Convert CTWLTL to raised median between John F. Kennedy Boulevard and IH-45 & consolidate driveways; crosswalk visibility enhancements. Long term: Add CTWLTL between Aldine Westfield Road to Russ Drive (0.4 mi), including left turn lanes at signalized intersections (additional ROW required).	Medium
4	Antoine Drive	Veterans Memorial Drive to N Sam Houston Parkway W	1.7	Short term: Traffic signal timing/synchronization at Veterans Memorial Drive (improve yellow intervals and leading pedestrian interval), traffic signal modifications at Veterans Memorial Drive (add crosswalks, ADA pedestrian ramps, pedestrian signals, pedestrian refuge island, and extend sidewalk access to remove gaps); unobstructed visibility easement analysis to examine potential encroachment of trees/vegetation on the southwest corner at Claverton Drive. Mid-term: Add bike lane improvements.	Low





Rank	Roadway	Corridor Limits	Length (mi)	Vision Zero Safety Improvement Considerations	Planning Level Cost Estimate Low: <\$2.5M Medium: \$2.5-\$10M High: >\$10M
5	Stuebner Airline Road	North of Spring Cypress Road to FM 1960	5.2	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at Spring Cypress Road (upgrade ped signals to HCED standard), Creekfield Drive (update ped signals to HCED standard), Theisswood Road (add ADA ramps & pedestrian signals), Oakwood Glen Boulevard (add additional signal heads on Stuebner Airline Road approaches), Louetta Road (add additional signal heads on Stuebner Airline Road approaches, ADA compliant/countdown ped signals), Mittlesteadt Road/Brightwood Drive (add crosswalks, ADA ramps, and pedestrian signals), and FM 1960 (ADA compliant/countdown ped signals); add actuated pedestrian flashing beacon at mid- block crossing at Klein High Loop/Worcester Drive; add sidewalk on east side of Stuebner Airline Road between Lyons School Road and Louetta Road, street lighting. Mid term: Convert CTWLTL to raised median between Mintwood Lane and Klein High Loop/Worcester Drive (0.6 mi) and between Mittlesteadt Road/Brightwood Drive and FM 1960 (0.9 mi); driveway consolidation (between Fernglad Drive and FM 1960). Long term: Convert to full boulevard section (divided with raised median and curb/gutter drainage) and add sidewalks.	High
6	Veterans Memorial Dr	N Sam Houston Parkway W to SH 249	3.4	Short term: restripe to 5-lane section w/CTWLTL between Fallbrook and SH 249 (1.9 mi), add pedestrian signals/crosswalks at Blue Bell Rd & West Road, driveway consolidation at Bluebell Rd, street lighting, add sidewalks; crosswalk visibility enhancements. Long term: boulevard section with raised median and curb/gutter drainage, sidewalks.	High





Rank	Roadway	Corridor Limits	Length (mi)	Vision Zero Safety Improvement Considerations	Planning Level Cost Estimate Low: <\$2.5M Medium: \$2.5-\$10M High: >\$10M
7	W Montgomery Road	SH 249 to Wavell Street	2.0	Short term: Traffic signal timing/synchronization (improve yellow intervals and leading pedestrian intervals), traffic signal modifications at W. Gulf Bank & Breen Road (refresh pavement markings/crosswalks, update ped signs to ADA standard), crosswalk visibility enhancements, street lighting. NOTE: CIP projects currently underway for sidewalk improvements from Breen Drive to West Gulf Bank Road, as well as traffic signal installation and intersection improvements at intersection with T.C. Jester Boulevard.	Low
8	Spencer Highway	Galveston Road to Somerton Drive	8.0	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at Texas/York (crosswalks, ADA ramps, pedestrian signals), 8th Street (ped signals, additional signal heads), Allen Genoa Road (crosswalks, ADA ramps, additional signal heads), Perez (ADA ramps, additional signal heads), Shaver St (ADA ramps), Westside Drive (ADA ramps); Watters Road (ADA ramps), Sinclair Street (crosswalks, ADA ramps, pedestrian signals), Luella Drive (add signal heads) and Somerton Drive (crosswalks, ADA ramps); evaluate FYA operations at Sinclair Street, Dedman Street, Space Center Boulevard, Trebor Street, Red Bluff Road, Kyle Chapman, & Center Street (and upgrade FYA signage/signal modification if needed); crosswalk visibility enhancements. Mid term: Access management improvements to convert existing center two-way left turn lane to a raised median with turn bays, and consolidate driveways; bike lane improvements; and intersection configuration improvements at York/Texas.	High
9	Dominion Park Drive	Kuykendahl Road to IH 45 Southbound Frontage Road	0.5	Short term: Install sidewalks on both sides of Dominion Park Drive; unobstructed visibility easement analysis to examine potential encroachment on east ROW on Kuykendahl Road; conduct traffic signal warrant analysis to evaluate the need for a traffic signal at the intersection of Kuykendahl Road at Dominion Park Drive; install traffic signal at Kuykendahl Road if warranted.	Low





Rank	Roadway	Corridor Limits	Length (mi)	Vision Zero Safety Improvement Considerations	Planning Level Cost Estimate Low: <\$2.5M Medium: \$2.5-\$10M High: >\$10M
10	W Mount Houston Rd	IH 45 Northbound Frontage Road to Airline Drive	0.9	Long term: Expand roadway to a 40-ft cross-section with curb/gutter drainage, sidewalk, and bike lane improvements. Improve intersection configuration at Sweetwater Lane and Helms Road. Consolidate driveways/parking lot configuration to limit access to W. Mount Houston Road.	Medium
11	Barbers Hill Road	Garth Road to Crosby Barbers Hill Road	0.5	Short term: Street lighting. NOTE: All-way stop control recently installed at the intersection with Garth Road. This low-cost safety project focuses on improving visibility at both intersections.	Low
12	Hollow Tree Lane	Cali Drive to IH 45 Northbound Frontage Road	1.0	Short term: Traffic signal timing/synchronization at Cypress Station Drive (yellow intervals and leading pedestrian intervals); add sidewalks and bike lane improvements on both sides of the roadway; add marked crosswalks at the intersection of Hollow Tree Lane at Cali Drive (if AWSC is warranted) and at Westfield Place Drive (currently AWSC); crosswalk visibility enhancements.	Low
13	Ella Boulevard	At Barren Springs Drive	n/a	Short term: Conduct traffic signal warrant analysis to evaluate the need for a traffic signal at this intersection. Install traffic signal if warranted. If not warranted, implement "Stop Ahead" intersection warning sign with oversize Stop sign. NOTE: CIP projects currently underway for sidewalk and transit stop improvements in the vicinity, which should help mitigate pedestrian/bicycle crashes that occurred on this corridor. This safety project focuses on the cluster of serious injury crashes at the intersection with Barren Springs Drive.	Low





Rank	Roadway	Corridor Limits	Length (mi)	Vision Zero Safety Improvement Considerations	Planning Level Cost Estimate Low: <\$2.5M Medium: \$2.5-\$10M High: >\$10M
14	Jones Road	Grant Road to Ranchstone Drive	4.0	 Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards); crosswalk visibility enhancements, street lighting. Long term: Construct boulevard section with raised median and curb/gutter drainage from Grant Road to FM 1960 (2.3 mi), add sidewalks and bike lanes on both sides of roadway throughout study corridor. 	High
15	West Road	Veterans Memorial Drive to IH 45	1.75	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals), traffic signal modifications at all intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards), add sidewalks on both sides of the roadway, crosswalk visibility enhancements, street lighting. Mid term: Access management (hooded left turn lanes) at Winding Bayou Trace and shopping center driveway to reduce conflict points.	Medium
16	Atascocita Road	Kings Parkway to FM 1960	0.9	Short term: Evaluate FYA operations at Atascocita Trace Drive; traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals), traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards), sidewalk improvements, street lighting. Mid Term: Access management (hooded left turn lanes or turn bays with curbed divider) at shopping center driveways to reduce conflict points.	Low
17	Grant Road	Perry Road to SH 249	0.5	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); add sidewalks on both sides of roadway, street lighting.	Low





Rank	Roadway	Corridor Limits	Length (mi)	Vision Zero Safety Improvement Considerations	Planning Level Cost Estimate Low: <\$2.5M Medium: \$2.5-\$10M High: >\$10M
18	Louetta Road	SH 249 to Cannaberry Way	8.4	 Short term: Improved signage at three-legged intersections; traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals), traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards), restripe existing shoulder between Old Louetta Road and Cannaberry Way to provide bike lane (6.8 mi), add sidewalk on section between SH 249 and Old Louetta Road (1.6 mi), crosswalk visibility enhancements, street lighting. Mid term: Access management improvements at shopping center driveways to reduce conflict points, driveway consolidation. Long term: Convert to full boulevard section (divided with raised median and curb/gutter drainage) between Old Louetta Road and Cannaberry Way and add sidewalks. 	High
19	Airline Drive	N of West Road to Canino Road	3.5	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals), traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards), midblock crossing/pedestrian refuge with actuated pedestrian signal at Lucky Land Asian Culture Park, crosswalk visibility enhancements, street lighting. Mid term: Convert CTWLTLT to raised median between West Road and W. Gulf Bank Road and between Lucky Land Asian Culture Park and Canino Road.	High





Rank	Roadway	Corridor Limits	Length (mi)	Vision Zero Safety Improvement Considerations	Planning Level Cost Estimate Low: <\$2.5M Medium: \$2.5-\$10M High: >\$10M
20	Homestead Road	N of Tidwell Road to S of Miley Street	2.5	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards); sidewalk improvement (shared path width); crosswalk visibility enhancements, particularly to address bicycle/pedestrian crash cluster at S. Hall Street, street lighting. Mid term: access management and driveway consolidation to reduce conflict points at shopping centers. NOTE: A portion of Homestead Road is located in City of Houston. A joint project is currently underway to convert Homestead Road from a 6-lane divided to a 4-lane divided cross-section (road diet) and add bicycle lanes.	Medium
21	Homestead Road	S of Old Humble Road to Winfield Road	0.6	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards); signage improvements near Hamill Road; sidewalk improvements (shared path width); crosswalk visibility enhancements; street lighting. Mid term: Driveway consolidation near Hamill Road.	Low
22	Huffman Cleveland Rd	Hickory Ridge Drive to Commons Vista Drive	1.7	Mid term: Add wide edge lines, rumble strips, enhanced signage on two-way stop-controlled approaches, wide center lines, add paved shoulders, clear zone widening. NOTE: 2023-2026 TIP project planned to reconstruct and widen Huffman Cleveland Road from a 2-lane undivided to a 4-lane divided roadway (sponsored by TxDOT Houston District).	Low





Rank	Roadway	Corridor Limits	Length (mi)	Vision Zero Safety Improvement Considerations	Planning Level Cost Estimate Low: <\$2.5M Medium: \$2.5-\$10M High: >\$10M
23	W Lake Houston Pkwy	Pine Cup Drive to Atascocita Middle School	1.0	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards); add sidewalks between Chase Bank driveway and Tournament Trail Drive; crosswalk visibility enhancements.	Low
24	Bissonnet Street	Sugar Land Howell Road to Synott Road	1.3	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards); add sidewalks on both sides of the roadway; crosswalk visibility enhancements, street lighting.	Medium
25	Fry Road	N of Keith Harrow Boulevard to Franz Road	3.5	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards); add sidewalks to fill infrastructure gaps; street lighting.	Medium
26	Fallbrook Drive	W of NW Park Drive to Veterans Memorial Drive	2.3	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards); evaluate FYA operations; sidewalk improvements between Antoine Drive and Mosielee Street (0.5 mi); street lighting.	Low





Rank	Roadway	Corridor Limits	Length (mi)	Vision Zero Safety Improvement Considerations	Planning Level Cost Estimate Low: <\$2.5M Medium: \$2.5-\$10M High: >\$10M
27	Spears Road	Veterans Memorial Drive to W of TC Jester	1.0	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards); evaluate FYA operations; pedestrian refuge/raised median on south leg of intersection of Spears Road at Walters Road; crosswalk visibility enhancements; evaluate need for midblock crossing just east of Walters Road (near convenience store); sidewalk improvements.	Low
28	Spring Cypress Road	Memorial Spring Drive to W of Valka Road	2.2	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals), street lighting. Mid term: Access management improvements and driveway consolidation to reduce conflicts at midblock intersections and commercial driveways.	Medium
29	W Little York Road	E of Hempstead Road to W of Fairbanks N Houston Rd	1.2	Short term: Traffic signal timing/synchronization at all intersections (yellow intervals). Long term: Add CTWLTL, install bike lane (add shoulder).	Medium
30	Alice Road	Green Meadow Road to SH 249	0.5	Short term: wider edge lanes, refresh centerline pavement markings, traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards). Long term: capacity improvements east and west of SH 249B, sidewalk improvements.	Medium





Rank	Roadway	Corridor Limits	Length (mi)	Vision Zero Safety Improvement Considerations	Planning Level Cost Estimate Low: <\$2.5M Medium: \$2.5-\$10M High: >\$10M
31	Barker Cypress Road	N of West Little York Road at Gummert Rd	0.7	Short term: traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (marked crosswalks at intersections, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards), crosswalk visibility enhancements, street lighting. Mid term: intersection lighting, sidewalks, signal at Brenwood Drive.	Low
32	Greenhouse Road	Clay Road to Golden Wave Drive	1.3	Short term: traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards); connect neighborhood sidewalks to Greenhouse intersections (e.g., at Cardinal Lake Road, Windy Stone Drive and others); crosswalk visibility enhancements, street lighting.	Low
33	Greenhouse Road	IH-10 to Misty Cove Drive	2.5	Short term: traffic signal timing/synchronization at all intersections (yellow intervals and leading pedestrian intervals); traffic signal modifications at intersections (crosswalks, pedestrian signals, additional signal heads, and other improvements to meet ADA/HCED standards); connect discontinuous sidewalks; street lighting. Mid term: study possible signal at Oak Ridge Park w/pedestrian treatments. Long term: offset left turn bays at intersections; grade separate Mayde Creek Phase II Shared Use Path at Greenhouse Road.	Medium





5. Supplemental Details on Network Screening and Ranking Methodology

The following methodology was used to score and rank all High Injury Network (HIN) segments under Harris County's jurisdiction (381 miles) and identify priority segments/corridors for further safety evaluation.

- 1. Identify HIN segments located in Harris County jurisdiction. An ArcGIS spatial join was performed to identify HIN segments that are included within or overlap with Harris County's Road Log. The spatial join results were manually verified against Road Log limits and refined as needed. A total of 812 HIN segments (totaling 381 miles) were identified to be within Harris County's jurisdiction.
- 2. Select network screening performance measures. Average crash frequency was selected as the primary performance measure for ranking priority segments based on data availability and ease of calculation given the schedule constraints for the overall Vision Zero Phase 2 project. Crash rate was considered as a potential measure since it normalizes the frequency of crashes with exposure (i.e., traffic volumes on the segment). However, the usability of this measure for ranking purposes is limited since traffic volume data is not readily available for all HIN segments.
- 3. **Calculate score for frequency of fatal and serious injury crashes on HIN segments.** Since Harris County's Vision Zero program focuses on reducing both fatal and serious injury crashes, HIN segments were scored separately based on the frequency of fatal and serious injury crashes on HIN segments. The scoring methodology was inclusive of all modes and provides equal consideration for the worst segments for driving, bicycling, and walking. The resulting KSI score is intended to prioritize locations where safety improvements could reduce KSI crashes across all modes.
 - a. **Calculate K Score for frequency of fatal (K) crashes.** This score ranges from 0 to 10 and represents the severity and number of fatal crashes on the segment. The scoring criteria was determined based on the range of fatal crash frequencies observed across the HIN segments.
 - i. Segments were scored a 0 if there were 0 fatal crashes.
 - ii. Segments were scored a 5 if there was 1 fatal crash.
 - iii. Segments were scored an 8 if there were 2 fatal crashes.
 - iv. Segments were scored a 10 if there were 3 or more fatal crashes.
 - b. **Calculate SI Score for frequency of serious injury (SI) crashes.** This score ranges from 0 to 10 and represents the severity and number of serious injury crashes on the segment. The scoring criteria was determined based on the range of potential values observed across the HIN segments. Segments with a high number of pedestrian and/or bicycle crashes were given equal consideration in the scoring range to represent the vulnerability of these modes.
 - i. Segments were scored a 0 if there were 0 serious injury crashes.
 - ii. Segments were scored a 2 if there were 0 serious injury bike/ped crashes and 1 or 2 serious injury vehicular crashes.





- iii. Segments were scored a 4 if there was 1 serious injury bike/ped crashes or 3 or 4 serious injury vehicular crashes.
- iv. Segments were scored a 6 if there were 2 serious injury bike/ped crashes or 5 or 6 serious injury vehicular crashes.
- v. Segments were scored an 8 if there were 3 serious injury bike/ped crashes or 7 or 8 serious injury vehicular crashes.
- vi. Segments were scored a 10 if there were 4 serious injury bike/ped crashes or 9 or more serious injury vehicular crashes.
- c. **Calculate total KSI Score.** A total KSI Score was calculated for each HIN segment by summing the K Score and SI Score. The range of possible KSI scores is 0 to 20.
- 4. **Rank HIN segments.** All HIN segments were assigned a numerical ranking based on the total score for frequency of fatal and serious injury crashes (KSI Score) in descending order. Table 4 provides the ranking results for all ½-mile High Injury Network segments in Harris County jurisdiction.
- 5. **Identify the highest ranked HIN segments.** The HIN segments with the highest frequency of fatal and serious injury crashes were identified as having a KSI Score of 10 or higher.
- 6. Identify nearby HIN segments to form High Risk Corridors. We examined the locations of the highest ranked HIN segments and identified HIN segments that are in close proximity to the (either adjoining or located a short distance away from the highest ranked HIN segment) to identify potential "High Risk Corridors" for safety mitigation. We assigned logical corridor limits and determined overall High Risk Corridor length.
- 7. **Review CIP project scopes.** We evaluated CIP project scopes for recently completed, ongoing, or programmed projects with potential to address the primary crash types occurring on the corridor. We then refined the corridor list. For example, Ella Boulevard has three HIN segments with a KSI score greater than 10. These segments all had a high number of pedestrian and bicycle crashes, although there was a cluster of vehicular crashes at the intersection of Ella Boulevard at Barren Springs Drive, which is currently unsignalized. There is a recent CIP project to improve sidewalks, ADA ramps, and bus shelters along the corridor. There was also a recent median construction at the northern end of the HIN segment. The improvements have potential to address the pedestrian and bicycle related crashes, but it was determined that a safety assessment should be conducted for the intersection with Barren Springs Drive to address the cluster of crashes occurring at this location.
- 8. **Refine High Risk Corridor Locations.** We worked closely with Harris County staff to ensure the ranking methodology adequately captures the highest risk segments based on staff knowledge of problem areas and priority needs for safety evaluation.

Table 5 provides the KSI scores for each of the 33 High Risk Corridors. Note that the corridors are listed in order based on the KSI score for the highest ranked ½-mile High Injury Network segment on the corridor, and not for the corridor as a whole.





Table 4. KSI Ranking Results for All HIN Segments in Harris County Jurisdiction

Regional Road	Length	Total	Ped.		Vehicular		SI	KSI	KSI
	Lengin	KSI	KSI	KSI	KSI		Score		
		Crashes	Crashes	Crashes	Crashes				
ADDICKS SATSUMA RD	0.5	2	0	0	2	0	2	2	724
AIRLINE DR	0.5	3	1	0	2	10	0	10	39
AIRLINE DR	0.5	2	0	1	1	0	4	4	410
AIRLINE DR	0.5	2	0	0	2	8	0	8	141
AIRLINE DR	0.5	4	2	0	2	5	6	11	29
AIRLINE DR	0.5	2	0	1	1	0	4	4	411
AIRLINE DR	0.5	5	0	0	5	5	4	9	73
AIRLINE DR	0.5	3	1	0	2	0	4	4	412
AIRTEX DR	0.5	4	1	0	3	0	4	4	413
AIRTEX DR	0.3	1	0	0	1	0	2	2	580
ALDINE MAIL RD	0.5	2	0	2	0	0	6	6	305
ALDINE MAIL RD	0.5	4	0	0	4	5	4	9	81
ALDINE MAIL RD	0.5	8	4	0	4	8	8	16	3
ALDINE MAIL RD	0.5	3	2	0	1	5	4	9	64
ALDINE MAIL RD	0.5	3	0	0	3	5	2	7	220
ALDINE WESTFIELD RD	0.5	2	1	0	1	5	4	9	58
ALDINE WESTFIELD RD	0.5	6	2	0	4	5	4	9	98
ALDINE WESTFIELD RD	0.5	2	0	0	2	8	0	8	153
ALDINE WESTFIELD RD	0.5	2	1	0	1	5	2	7	264
ALDINE WESTFIELD RD	0.5	2	0	0	2	5	2	7	265
ALICE RD	0.5	5	0	0	5	5	4	9	99
ALIEF CLODINE RD	0.4	5	0	0	5	0	6	6	327
ALIEF CLODINE RD	0.5	2	0	0	2	0	2	2	682
ALIEF CLODINE RD	0.5	3	0	0	3	5	2	7	243
ALIEF CLODINE RD	0.5	2	0	0	2	5	2	7	244
ALIEF CLODINE RD	0.5	4	1	0	3	0	4	4	457
ALLEN GENOA RD	0.5	3	0	0	3	5	2	7	174
ALLEN GENOA RD	0.3	1	0	0	1	0	2	2	590
ALLEN GENOA RD	0.5	2	0	0	2	0	2	2	591
ALLEN GENOA RD	0.5	3	0	0	3	0	4	4	359
ALVIN A KLEIN DR	0.5	2	0	0	2	0	2	2	725
ANDERSON RD	0.5	2	2	0	0	0	6	6	319
ANDERSON RD	0.5	3	0	0	3	5	2	7	193
ANTOINE DR	0.5	2	1	0	1	8	0	8	154
ANTOINE DR	0.5	2	0	0	2	5	2	7	165
ANTOINE DR	0.5	9	2	1	6	8	8	16	4
ANTOINE DR	0.5	2	0	0	2	0	2	2	726
ANTOINE DR	0.5	8	0	0	8	5	8	13	15
ANTOINE DR	0.5	2	0	0	2	5	2	7	266



Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI	K	SI Score	KSI	KSI Pank
				s Crashes		score	score	SCOLE	KUIIK
APACHE TRL	0.3	2	0	0	2	0	2	2	654
ATASCA SOUTH DR	0.5	2	0	0	2	0	2	2	655
ATASCOCITA RD	0.5	3	1	0	2	5	4	9	100
ATASCOCITA RD	0.5	4	0	1	3	0	4	4	495
ATASCOCITA RD	0.5	3	0	1	2	5	4	9	101
ATASCOCITA RD	0.5	4	0	0	4	0	4	4	496
ATASCOCITA RD	0.5	2	0	0	2	0	2	2	727
ATASCOCITA RD	0.5	6	0	0	6	5	6	11	33
ATASCOCITA RD	0.5	3	1	0	2	0	4	4	434
ATASCOCITA RD	0.5	4	0	0	4	0	4	4	435
ATASCOCITA RD	0.5	2	0	0	2	0	2	2	728
ATASCOCITA RD	0.3	2	0	0	2	0	2	2	656
AVE C	0.5	2	1	0	1	5	2	7	221
BADTKE RD	0.5	2	0	0	2	0	2	2	683
BAMMEL NORTH HOUSTON RD	0.5	4	2	0	2	0	6	6	335
BAMMEL NORTH HOUSTON RD	0.5	5	0	0	5	5	4	9	102
BAMMEL NORTH HOUSTON RD	0.5	2	0	0	2	5	2	7	194
BAMMEL NORTH HOUSTON RD	0.5	2	0	0	2	0	2	2	729
BAMMEL RD	0.5	2	0	0	2	0	2	2	581
BAMMEL VILLAGE DR	0.3	2	2	0	0	0	6	6	320
BARBERS HILL RD	0.5	2	0	0	2	5	2	7	175
BARBERS HILL RD	0.5	5	0	0	5	8	4	12	21
BARKER CLODINE RD	0.3	2	0	0	2	0	2	2	684
BARKER CYPRESS RD	0.4	3	1	0	2	0	4	4	458
BARKER CYPRESS RD	0.5	2	1	0	1	5	2	7	267
BARKER CYPRESS RD	0.5	5	0	1	4	5	4	9	103
BARKER CYPRESS RD	0.5	4	0	0	4	0	4	4	459
BARKER CYPRESS RD	0.5	2	0	1	1	0	4	4	460
BARKER CYPRESS RD	0.5	4	0	0	4	5	4	9	71
BARKER CYPRESS RD	0.5	10	1	0	9	5	8	13	14
BARREN SPRINGS DR	0.5	7	0	1	6	5	6	11	30
BARTLETT DR	0.3	1	1	0	0	0	4	4	497
BAUER RD	0.5	2	0	1	1	5	4	9	72
BAY AREA BLVD	0.5	4	0	0	4	0	4	4	436
BEACH	0.3	1	1	0	0	0	4	4	414
BEAMER RD	0.3	2	0	0	2	0	2	2	626
BEAMER RD	0.5	6	0	0	6	0	6	6	321
BEAR BAYOU DR	0.5	2	0	0	2	5	2	7	222
BEAR BAYOU DR	0.5	3	0	1	2	5	4	9	82
BEARD RD	0.3	1	0	0	1	0	2	2	627



Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI	K	SI Score	KSI	KSI Pank
					Crashes	JUDIE	JUIE	SCOLE	KUIK
BEAUMONT HWY	0.5	7	0	0	7	10	4	14	7
BEAUMONT HWY	0.5	2	0	0	2	5	2	7	195
BECKER RD	0.5	2	0	0	2	5	2	7	245
BEECHNUT ST	0.5	6	0	0	6	0	6	6	328
BEECHNUT ST	0.5	2	0	0	2	5	2	7	246
BEECHNUT ST	0.5	2	0	0	2	8	0	8	147
BELLAIRE BLVD	0.5	5	0	0	5	0	6	6	329
BELLEAU WOOD DR	0.5	2	0	0	2	0	2	2	730
BERTRAND ST	0.5	3	0	0	3	0	4	4	437
BICKWOOD DR	0.3	1	0	0	1	0	2	2	628
BISSONNET ST	0.5	2	0	0	2	5	2	7	247
BISSONNET ST	0.5	3	1	0	2	8	2	10	47
BLACKHAWK BLVD	0.5	2	0	0	2	0	2	2	629
BLACKSTONE TRAILS DR	0.4	2	0	1	1	0	4	4	498
BLENHEIM PALACE LN	0.3	2	0	0	2	8	0	8	155
BLODGETT ST	0.4	2	0	0	2	0	2	2	630
BOHEMIAN HALL RD	0.5	3	0	0	3	5	2	7	223
BOUDREAUX RD	0.5	4	0	0	4	5	4	9	104
BOUDREAUX RD	0.4	4	0	0	4	5	4	9	105
BOUDREAUX RD	0.5	3	0	0	3	5	2	7	268
BOULDER OAKS DR	0.5	2	0	0	2	0	2	2	731
BREEN DR	0.5	2	0	0	2	5	2	7	269
BREEN DR	0.5	2	0	0	2	0	2	2	732
BRIDGE PARK DR	0.4	2	0	0	2	0	2	2	733
BRIDGEVIEW LN	0.5	2	0	1	1	0	4	4	499
BRITTMOORE RD	0.5	3	0	0	3	5	2	7	270
BURKE RD	0.5	2	0	0	2	0	2	2	592
BURKE RD	0.5	2	0	1	1	0	4	4	360
BUTTE CREEK DR	0.5	3	1	0	2	0	4	4	500
C E KING PKWY	0.5	2	0	0	2	0	2	2	631
CALI DR	0.5	3	2	0	1	5	4	9	106
CAMDEN PKWY	0.5	3	0	0	3	0	4	4	501
CAMDEN PKWY	0.4	2	0	0	2	0	2	2	734
CAPE FORWARD DR	0.3	1	0	0	1	0	2	2	685
CARLANG ST	0.4	2	1	1	0	5	4	9	83
CAVALCADE ST	0.5	3	0	0	3	0	4	4	415
CENTER ST	0.5	4	1	0	3	0	4	4	361
CHAMPION FOREST DR	0.5	2	1	0	1	0	4	4	502
CHAMPIONS DR	0.4	3	1	0	2	0	4	4	503
CHESHIRE PARK RD	0.3	1	0	0	1	0	2	2	632



Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI	K	SI Score	KSI	KSI Pank
				دم s Crashes		Score	Score	score	Kank
CHIPPEWA BLVD	0.5	2	1	0	1	0	4	4	504
CHRISMAN RD	0.5	2	0	0	2	0	2	2	657
CHRISMAN RD	0.5	2	1	0	1	5	4	9	84
CIDERWOOD DR	0.3	2	0	0	2	0	2	2	735
CLAY RD	0.5	2	0	0	2	0	2	2	686
CLAY RD	0.5	2	0	0	2	0	2	2	687
CLAY RD	0.5	3	0	0	3	5	2	7	248
CLAY RD	0.5	5	0	1	4	0	4	4	461
CLAY RD	0.5	5	0	0	5	0	6	6	330
CLAY RD	0.5	3	0	0	3	5	2	7	249
CLAY RD	0.5	2	1	0	1	5	4	9	107
CLAY RD	0.5	2	0	0	2	0	2	2	688
CLINTON DR	0.5	2	1	0	1	8	0	8	136
COBIA DR	0.5	2	0	0	2	0	2	2	689
COLDFIELD DR	0.3	1	0	0	1	0	2	2	736
COLLEGE AVE	0.5	5	1	0	4	5	4	9	65
COLONIAL PKWY	0.5	2	0	0	2	0	2	2	690
CORDOBA DR	0.3	1	0	0	1	0	2	2	737
CORNERSTONE VILLAGE DR	0.5	2	1	0	1	0	4	4	505
COSSEY RD	0.3	1	0	0	1	0	2	2	738
COUNTRY SPRING DR	0.5	2	0	0	2	0	2	2	691
COVE HOLLOW DR	0.3	1	1	0	0	5	0	5	351
COVENTRY PARK DR	0.5	2	1	0	1	5	2	7	271
COVENTRY PARK DR	0.3	1	0	0	1	0	2	2	739
CRENSHAW RD	0.5	2	0	0	2	0	2	2	593
CRESCENT CLOVER DR	0.3	1	0	0	1	0	2	2	740
CROCKETT ST	0.3	1	0	0	1	5	0	5	347
CROSBY LYNCHBURG RD	0.5	3	0	0	3	5	2	7	224
CULLEN BLVD	0.5	3	1	0	2	5	2	7	196
CULLEN BLVD	0.5	2	1	0	1	0	4	4	416
CULLEN BLVD	0.5	3	0	0	3	5	2	7	197
CULLEN BLVD	0.5	2	1	0	1	0	4	4	417
CUTTEN RD	0.5	2	0	0	2	0	2	2	741
CUTTEN RD	0.5	3	0	0	3	0	4	4	506
CYPRESS CHURCH RD	0.4	2	1	0	1	0	4	4	462
CYPRESS HILL DR	0.3	1	0	0	1	0	2	2	742
CYPRESS N HOUSTON RD	0.5	2	0	0	2	5	2	7	184
CYPRESS N HOUSTON RD	0.5	2	0	0	2	0	2	2	692
CYPRESS N HOUSTON RD	0.5	2	1	0	1	0	4	4	463
CYPRESS N HOUSTON RD	0.5	2	1	0	1	8	0	8	139



Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI	K	SI Score	KSI	KSI Papk
					Crashes	score	Score	SCOLE	KUIIK
CYPRESS N HOUSTON RD	0.5	3	0	0	3	0	4	4	464
CYPRESS N HOUSTON RD	0.5	3	1	0	2	0	4	4	465
CYPRESS N HOUSTON RD	0.5	3	0	0	3	0	4	4	396
CYPRESS N HOUSTON RD	0.5	4	0	0	4	0	4	4	507
CYPRESS N HOUSTON RD	0.5	2	1	0	1	5	4	9	108
CYPRESS ROSEHILL RD	0.3	1	0	0	1	5	0	5	345
CYPRESS ROSEHILL RD	0.5	2	0	0	2	0	2	2	743
CYPRESS ROSEHILL RD	0.5	2	0	0	2	0	2	2	744
CYPRESS STATION DR	0.5	2	1	0	1	0	4	4	508
CYPRESS TRL	0.3	2	0	0	2	0	2	2	610
CYPRESSWOOD DR	0.5	4	0	0	4	0	4	4	509
CYPRESSWOOD DR	0.5	2	0	0	2	0	2	2	745
CYPRESSWOOD DR	0.5	2	0	0	2	0	2	2	746
CYPRESSWOOD DR	0.3	4	0	0	4	5	4	9	109
CYPRESSWOOD DR	0.5	2	1	0	1	0	4	4	510
DOMINION PARK DR	0.5	3	2	0	1	8	4	12	19
DULANEY RD	0.5	3	0	0	3	0	4	4	466
DUNCUM ST	0.5	2	1	1	0	5	4	9	85
E AIRTEX DR	0.5	2	0	0	2	0	2	2	582
E CYPRESSWOOD DR	0.5	2	0	1	1	0	4	4	511
E HARDY RD	0.5	3	0	0	3	5	2	7	198
E LOUETTA RD	0.3	2	0	0	2	5	2	7	272
E MEDICAL CENTER BLVD	0.5	4	0	0	4	0	4	4	362
E MEDICAL CENTER BLVD	0.3	3	0	0	3	0	4	4	363
E PASADENA BLVD	0.5	2	0	0	2	0	2	2	594
E RICHEY RD	0.5	4	1	0	3	0	4	4	355
E RICHEY RD	0.5	2	0	0	2	0	2	2	583
E SAM HOUSTON PKWY	0.5	2	0	0	2	5	2	7	166
E SAM HOUSTON PKWY N	0.5	2	0	0	2	0	2	2	633
E SAM HOUSTON PKWY S	0.5	4	0	0	4	0	4	4	364
E SAM HOUSTON PKWY S	0.5	3	0	0	3	0	4	4	365
E SAM HOUSTON PKWY S	0.5	4	0	1	3	0	4	4	366
E WALLISVILLE RD	0.5	2	0	0	2	0	2	2	595
E WALLISVILLE RD	0.5	2	0	0	2	0	2	2	658
EAGLE'S GLIDE DR	0.3	1	0	0	1	0	2	2	634
EL CAMINO REAL	0.4	2	0	0	2	0	2	2	596
EL DORADO BLVD	0.5	3	0	1	2	0	4	4	367
ELGIN ST	0.5	3	1	2	0	0	8	8	142
ELLA BLVD	0.3	2	1	0	1	5	2	7	199
ELLA BLVD	0.5	2	0	1	1	5	2	7	200



K3I K3I K3I K3I Score Score </th <th>Regional Road</th> <th>Length</th> <th>Total KSI</th> <th>Ped. KSI</th> <th>Bicycle KSI</th> <th>Vehicular KSI</th> <th></th> <th>SI</th> <th>KSI</th> <th>KSI Pank</th>	Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI		SI	KSI	KSI Pank
ELLA BIVO 0.5 7 3 0 4 5 8 13 13 ELLA BIVO 0.5 2 1 1 0 5 4 9 74 ELLA BIVO 0.5 8 1 1 6 5 6 11 26 ELLA BIVO 0.5 2 1 0 1 0 4 4 512 ELLA BIVO 0.5 2 1 0 1 0 4 44 418 ELYSIAN ST 0.5 2 1 0 1 0 6 6 331 EMPIRE CENTRAL DR 0.5 2 0 0 1 0 2 2 7 725 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 7 716 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 7 717 FAIRMONT PKWY 0.5 3 0 0 2 0 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Score</th> <th>30016</th> <th>SCOLE</th> <th>KUIIK</th>							Score	30016	SCOLE	KUIIK
ELLA BIVD 0.5 8 1 1 6 5 6 11 26 ELLA BIVD 0.5 5 3 0 2 5 8 13 12 ELLA BIVD 0.5 2 1 0 1 0 4 4 512 ELNS SCHOOL RD 0.5 2 1 0 1 0 4 4 418 ELYSIAN ST 0.5 2 1 0 1 5 2 7 225 EMPANADA DR 0.5 2 0 0 1 0 2 2 747 ENCHANTEAL DR 0.5 2 0 0 1 0 2 2 747 EARMANT FRALOR 0.5 2 0 0 2 0 2 2 747 FAIRBANK N HOUSTON RD 0.5 2 0 0 3 5 2 7 176 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177	ELLA BLVD	0.5					5	8	13	13
ELLA BIVD 0.5 5 3 0 2 5 8 13 12 ELLA BIVD 0.5 2 1 0 1 0 4 4 512 ELLS SCHOOL RD 0.5 2 2 0 0 0 6 6 324 ELYSIAN ST 0.5 2 1 0 1 5 2 7 225 EMPANADA DR 0.5 2 0 0 2 0 2 7 225 EMPANADA DR 0.5 2 0 0 2 0 2 2 747 ENCHANTED PATH DR 0.5 2 0 0 2 0 2 2 748 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 749 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 79 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7	ELLA BLVD	0.5	2	1	1	0	5	4	9	74
ELLA BIVD 0.5 2 1 0 1 0 4 4 512 ELLIS SCHOOL RD 0.5 2 2 0 0 6 6 324 ELYSIAN ST 0.5 2 1 0 1 0 4 4 4 EIYSIAN ST 0.5 2 1 0 1 0 6 6 333 EMPARADA DR 0.5 2 0 0 2 0 2 2 747 ENCHANTED PATH DR 0.3 1 0 0 1 0 2 2 747 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 749 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 1776 FAIRMONT PKWY 0.5 2 0 0 2 0 2 2 597 FAIRMONT PKWY </th <th>ELLA BLVD</th> <td>0.5</td> <td>8</td> <td>1</td> <td>1</td> <td>6</td> <td>5</td> <td>6</td> <td>11</td> <td>26</td>	ELLA BLVD	0.5	8	1	1	6	5	6	11	26
ELLIS SCHOOL RD 0.5 2 2 0 0 6 6 324 ELYSIAN ST 0.5 2 1 0 1 0 4 4 418 ELYSIAN ST 0.5 2 1 0 1 5 2 7 225 EMPANADA DR 0.5 2 0 2 0 2 2 747 ENCHANTED PATH DR 0.3 1 0 0 1 0 2 2 748 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 749 FAIRMONT PKWY 0.5 4 0 0 4 4 4368 FAIRMONT PKWY 0.5 2 0 0 2 2 2 597 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 176 FAIRMONT PKWY 0.5 3 1	ELLA BLVD	0.5	5	3	0	2	5	8	13	12
ELYSIAN ST 0.5 2 1 0 1 0 4 4 418 ELYSIAN ST 0.5 2 1 0 1 5 2 7 225 EMPANADA DR 0.5 3 2 0 1 0 6 6 331 EMPIRE CENTRAL DR 0.5 2 0 0 2 0 2 2 747 ENCHANTED PATH DR 0.3 1 0 0 2 0 2 2 748 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 749 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 176 FAIRMONT PKWY 0.5 5 0 0 2 0 2 598 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 3 1 0 2 5 2 7 178	ELLA BLVD	0.5	2	1	0	1	0	4	4	512
ELYSIAN ST 0.5 2 1 0 1 5 2 7 225 EMPANADA DR 0.5 3 2 0 1 0 6 6 331 EMPIRE CENTRAL DR 0.5 2 0 0 2 0 2 2 747 ENCHANTED PATH DR 0.3 1 0 0 1 0 2 2 2 748 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 7 176 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 3 1 0 2 5 7 273 <th>ELLIS SCHOOL RD</th> <td>0.5</td> <td>2</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>6</td> <td>6</td> <td>324</td>	ELLIS SCHOOL RD	0.5	2	2	0	0	0	6	6	324
EMPANADA DR 0.5 3 2 0 1 0 6 6 331 EMPIRE CENTRAL DR 0.5 2 0 0 2 0 2 2 2 747 ENCHANTED PATH DR 0.3 1 0 0 1 0 2 2 635 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 749 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 176 FAIRMONT PKWY 0.5 4 0 0 4 0 4 368 FAIRMONT PKWY 0.5 5 0 0 5 0 6 6 306 FAIRMONT PKWY 0.5 3 1 0 2 5 2 7 177 FAIRMONT PKWY 0.5 5 0 0 2 5 2 7 273	ELYSIAN ST	0.5	2	1	0	1	0	4	4	418
EMPIRE CENTRAL DR 0.5 2 0 0 2 0 2 2 747 ENCHANTED PATH DR 0.3 1 0 0 1 0 2 2 635 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 748 FAIRBANKS N HOUSTON RD 0.5 2 0 0 3 5 2 7 176 FAIRMONT PKWY 0.5 3 0 0 4 0 4 4 368 FAIRMONT PKWY 0.5 2 0 0 2 0 2 2 597 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 3 1 0 2 5 2 7 178 FAIRMONT PKWY 0.5 3 1 0 2 0 2 2 750	ELYSIAN ST	0.5	2	1	0	1	5	2	7	225
ENCHANTED PATH DR 0.3 1 0 0 1 0 2 2 635 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 748 FAIRBANKS N HOUSTON RD 0.5 2 0 0 3 5 2 7 176 FAIRMONT PKWY 0.5 4 0 0 4 0 4 4 368 FAIRMONT PKWY 0.5 2 0 0 2 0 2 2 597 FAIRMONT PKWY 0.5 5 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 178 FAIRMONT PKWY 0.5 5 0 0 2 5 2 7 178 FAIRMONT PKWY 0.5 5 0 0 2 5 2 7 273 <th>EMPANADA DR</th> <td>0.5</td> <td>3</td> <td>2</td> <td>0</td> <td>1</td> <td>0</td> <td>6</td> <td>6</td> <td>331</td>	EMPANADA DR	0.5	3	2	0	1	0	6	6	331
FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 748 FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 749 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 176 FAIRMONT PKWY 0.5 4 0 0 4 0 4 4 368 FAIRMONT PKWY 0.5 5 0 0 5 0 6 6 306 FAIRMONT PKWY 0.5 5 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 2 0 0 2 0 2 2 598 FAIRMONT PKWY 0.5 5 0 0 2 5 2 7 177 FAIRMONT PKWY 0.5 5 0 0 2 5 2 7 178 FAIRMONT PKWY 0.5 3 1 0 2 0 2 2<	EMPIRE CENTRAL DR	0.5	2	0	0	2	0	2	2	747
FAIRBANKS N HOUSTON RD 0.5 2 0 0 2 0 2 2 749 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 176 FAIRMONT PKWY 0.5 4 0 0 4 0 4 4 368 FAIRMONT PKWY 0.5 2 0 0 2 0 2 2 597 FAIRMONT PKWY 0.5 5 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 3 1 0 2 0 2 2 598 FAIRMONT PKWY 0.5 3 1 0 2 5 2 7 178 FAIRMONT PKWY 0.5 3 1 0 2 0 2 2 750 FAILBROK DR 0.4 2 0 0 2 0 2 7	ENCHANTED PATH DR	0.3	1	0	0	1	0	2	2	635
FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 176 FAIRMONT PKWY 0.5 4 0 0 4 0 4 4 368 FAIRMONT PKWY 0.5 2 0 0 2 0 2 2 597 FAIRMONT PKWY 0.5 5 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 3 1 0 2 5 2 7 177 FAIRMONT PKWY 0.5 3 1 0 2 5 2 7 178 FAIRBOOK DR 0.5 3 1 0 2 5 2 7 273 FALLBROOK DR 0.4 2 0 0 2 0 2 2 750 FALLBROOK DR 0.5 2 0 0 2 0 2 2 7	FAIRBANKS N HOUSTON RD	0.5	2	0	0	2	0	2	2	748
FAIRMONT PKWY 0.5 4 0 0 4 0 4 4 368 FAIRMONT PKWY 0.5 2 0 0 2 0 2 2 597 FAIRMONT PKWY 0.5 5 0 0 5 0 6 6 306 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 3 1 0 2 5 2 7 178 FAIRMONT PKWY 0.5 5 0 0 5 0 6 6 307 FAIRBOOK DR 0.4 2 0 0 2 5 2 7 273 FALLBROOK DR 0.4 2 0 0 2 0 2 2 750 FALLBROOK DR 0.5 2 0 0 2 5 2 7 274 FALLBROOK DR 0.5 2 0 0 2 2 751 51 <	FAIRBANKS N HOUSTON RD	0.5	2	0	0	2	0	2	2	749
FAIRMONT PKWY 0.5 2 0 0 2 0 2 2 597 FAIRMONT PKWY 0.5 5 0 0 5 0 6 6 306 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 2 0 0 2 0 2 2 598 FAIRMONT PKWY 0.5 3 1 0 2 5 2 7 177 FAIRMONT PKWY 0.5 5 0 0 2 5 2 7 178 FAIRMONT PKWY 0.5 5 0 0 2 5 2 7 178 FAIRMONT PKWY 0.5 5 0 0 2 5 2 7 273 FAILBROK DR 0.4 2 0 0 2 0 2 2 750 FALLBROCK DR 0.5 2 0 0 2 0 2 2 751 <th>FAIRMONT PKWY</th> <td>0.5</td> <td>3</td> <td>0</td> <td>0</td> <td>3</td> <td>5</td> <td>2</td> <td>7</td> <td>176</td>	FAIRMONT PKWY	0.5	3	0	0	3	5	2	7	176
FAIRMONT PKWY 0.5 5 0 0 5 0 6 6 306 FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 2 0 0 2 0 2 2 58 FAIRMONT PKWY 0.5 3 1 0 2 5 2 7 178 FAIRMONT PKWY 0.5 5 0 0 2 5 2 7 178 FAILBROK DR 0.4 2 0 0 2 5 2 7 273 FALLBROK DR 0.5 2 0 0 2 0 2 2 750 FALLBROK DR 0.5 2 0 0 2 0 2 2 751 FALLBROK DR 0.5 2 0 0 2 5 2 7 275 FALLBROK DR 0.5 2 0 0 2 2 2 75	FAIRMONT PKWY	0.5	4	0	0	4	0	4	4	368
FAIRMONT PKWY 0.5 3 0 0 3 5 2 7 177 FAIRMONT PKWY 0.5 2 0 0 2 0 2 2 598 FAIRMONT PKWY 0.5 3 1 0 2 5 2 7 178 FAIRMONT PKWY 0.5 5 0 0 5 0 6 6 307 FAILBROK DR 0.4 2 0 0 2 5 2 7 273 FALLBROK DR 0.5 2 0 0 2 0 2 2 750 FALLBROK DR 0.5 3 1 0 2 10 0 10 50 FALLBROK DR 0.5 2 0 0 2 5 2 7 274 FALLBROK DR 0.5 2 0 0 2 0 2 2 755 FALLBROK DR 0.5 2 0 0 2 0 2 2 75	FAIRMONT PKWY	0.5	2	0	0	2	0	2	2	597
FAIRMONT PKWY0.52002022598FAIRMONT PKWY0.53102527178FAIRMONT PKWY0.55005066307FALLBROOK DR0.42002527273FALLBROOK DR0.52002527273FALLBROOK DR0.531021001050FALLBROOK DR0.53102527274FALLBROOK DR0.52002527274FALLBROOK DR0.52002527274FALLBROOK DR0.52002527275FALLBROOK DR0.520020227275FALLBROOK DR0.520020227275FALLBROOK DR0.520020227275FALLBROK DR0.520020227276FALLBROK DR0.520020227201FARELL RD0.520020227202	FAIRMONT PKWY	0.5	5	0	0	5	0	6	6	306
FAIRMONT PKWY0.53102527178FAIRMONT PKWY0.55005066307FALLBROOK DR0.42002527273FALLBROOK DR0.52002022750FALLBROOK DR0.53102022750FALLBROOK DR0.531021001050FALLBROOK DR0.52002527274FALLBROOK DR0.52002022751FALLBROOK DR0.52002022752FALLBROOK DR0.52002022752FALLBROOK DR0.52002022752FALLBROOK DR0.52002022752FALLBROW DR0.52002022752FALVEL RD0.52002022659FARELL RD0.520020222636FARRELL RD0.53003044438FOREST TRAILS DR0.42 <th>FAIRMONT PKWY</th> <td>0.5</td> <td>3</td> <td>0</td> <td>0</td> <td>3</td> <td>5</td> <td>2</td> <td>7</td> <td>177</td>	FAIRMONT PKWY	0.5	3	0	0	3	5	2	7	177
FAIRMONT PKWY0.55005066307FALLBROOK DR0.42002527273FALLBROOK DR0.520020227273FALLBROOK DR0.531021001050FALLBROOK DR0.531021001050FALLBROOK DR0.52002527274FALLBROOK DR0.520020227274FALLBROOK DR0.520020227275FALLBROOK DR0.520020227275FALLBROOK DR0.520020227275FALLBROOK DR0.520020227275FALLBROOK DR0.520020227275FALLBROOK DR0.520020227275FALLBROOK DR0.520020227275FALLBROOK DR0.520020227201FARELL RD0.52002<	FAIRMONT PKWY	0.5	2	0	0	2	0	2	2	598
FALLBROOK DR0.42002527273FALLBROOK DR0.52002022750FALLBROOK DR0.531021001050FALLBROOK DR0.32002527274FALLBROOK DR0.52002527274FALLBROOK DR0.52002527275FALLBROOK DR0.52002527275FALLBROOK DR0.52002022752FALLBROOK DR0.52002022752FALLBROOK DR0.52002022752FALLBROOK DR0.52002022752FALLBROOK DR0.52002022659FALVEL RD0.52002022636FARRELL RD0.52002022636FARRELL RD0.53003044438FOREST TRAILS DR0.420020222653 <tr<tr>FOXBRICK LN0.31<!--</th--><th>FAIRMONT PKWY</th><td>0.5</td><td>3</td><td>1</td><td>0</td><td>2</td><td>5</td><td>2</td><td>7</td><td>178</td></tr<tr>	FAIRMONT PKWY	0.5	3	1	0	2	5	2	7	178
FALLBROOK DR0.52002022750FALLBROOK DR0.531021001050FALLBROOK DR0.32002527274FALLBROOK DR0.52002527274FALLBROOK DR0.52002022751FALLBROOK DR0.52002022752FALLBROOK DR0.52002022752FALLBROOK DR0.52002022752FALLBROOK DR0.52002022752FALLBROOK DR0.52002022752FALLBROOK DR0.52002022752FALLE RD0.52002022659FARRELL RD0.52002022636FARRELL RD0.53003044438FOREST TRAILS DR0.420020222693FOXBRICK LN0.31001022753FREEPORT BLVD0.55	FAIRMONT PKWY	0.5	5	0	0	5	0	6	6	307
FALLBROOK DR 0.5 3 1 0 2 10 0 10 50 FALLBROOK DR 0.3 2 0 0 2 5 2 7 274 FALLBROOK DR 0.3 2 0 0 2 5 2 7 274 FALLBROOK DR 0.5 2 0 0 2 5 2 7 274 FALLBROOK DR 0.5 2 0 0 2 5 2 7 275 FALLBROOK DR 0.5 2 0 0 2 5 2 7 275 FALLBROOK DR 0.5 2 0 0 2 0 2 2 7 275 FALLBROOK DR 0.5 2 0 0 3 5 2 7 275 FALLBROOK DR 0.5 2 0 0 2 0 2 2 7 276 FALLBRO 0.5 2 0 0 2 0 2	FALLBROOK DR	0.4	2	0	0	2	5	2	7	273
FALLBROOK DR0.32002527274FALLBROOK DR0.5200202022751FALLBROOK DR0.5200202527275FALLBROOK DR0.52002527275FALLING CREEK DR0.520020227276FALVEL RD0.53003527276FARMINGHAM DR0.52002022659FARRELL RD0.52002022636FARRELL RD0.52002527201FARRELL RD0.52002527202FEDERAL RD0.53003044438FOREST TRAILS DR0.42002022753FOXWOOD GARDEN DR0.31001022753FREEPORT BLVD0.52002022753FREEPORT BLVD0.52002022753	FALLBROOK DR	0.5	2	0	0	2	0	2	2	750
FALLBROOK DR0.52002022751FALLBROOK DR0.52002527275FALLING CREEK DR0.52002022752FALVEL RD0.53003527276FARMINGHAM DR0.52002022659FARRELL RD0.52002527201FARRELL RD0.52002022636FARRELL RD0.52002527202FEDERAL RD0.53003044438FOREST TRAILS DR0.42002022693FOXWOOD GARDEN DR0.31001022753FREEPORT BLVD0.5531110448FRICK RD0.52002022754	FALLBROOK DR	0.5	3	1	0	2	10	0	10	50
FALLBROOK DR0.52002527275FALLING CREEK DR0.52002022752FALVEL RD0.53003527276FARMINGHAM DR0.52002022659FARRELL RD0.52002527201FARRELL RD0.52002022636FARRELL RD0.52002527202FEDERAL RD0.52002022693FOREST TRAILS DR0.42002022693FOXBRICK LN0.31001022753FREEPORT BLVD0.55311104148FRICK RD0.52002022754	FALLBROOK DR	0.3	2	0	0	2	5	2	7	274
FALLING CREEK DR0.520020227752FALVEL RD0.53003527276FARMINGHAM DR0.52002022659FARRELL RD0.52002527201FARRELL RD0.52002022636FARRELL RD0.52002527202FEDERAL RD0.53003044438FOREST TRAILS DR0.42002022693FOXBRICK LN0.31001022753FREEPORT BLVD0.55311104148FRICK RD0.52002022754	FALLBROOK DR	0.5	2	0	0	2	0	2	2	751
FALVEL RD0.53003527276FARMINGHAM DR0.52002022659FARRELL RD0.52002527201FARRELL RD0.52002022636FARRELL RD0.52002527202FEDERAL RD0.52002527202FEDERAL RD0.53003044438FOREST TRAILS DR0.42002022693FOXBRICK LN0.31001022753FREEPORT BLVD0.55311104148FRICK RD0.52002022754	FALLBROOK DR	0.5	2	0	0	2	5	2	7	275
FARMINGHAM DR0.52002022659FARRELL RD0.52002527201FARRELL RD0.52002022636FARRELL RD0.52002527202FEDERAL RD0.52002527202FEDERAL RD0.53003044438FOREST TRAILS DR0.42002022693FOXBRICK LN0.32002808156FOXWOOD GARDEN DR0.31001022753FREEPORT BLVD0.55311104148FRICK RD0.52002022754	FALLING CREEK DR	0.5	2	0	0	2	0	2	2	752
FARRELL RD 0.5 2 0 0 2 5 2 7 201 FARRELL RD 0.5 2 0 0 2 5 2 7 201 FARRELL RD 0.5 2 0 0 2 0 2 2 636 FARRELL RD 0.5 2 0 0 2 5 2 7 202 FEDERAL RD 0.5 2 0 0 2 5 2 7 202 FEDERAL RD 0.5 3 0 0 3 0 4 4 438 FOREST TRAILS DR 0.4 2 0 0 2 0 2 2 693 FOXBRICK LN 0.3 2 0 0 2 8 0 8 156 FOXWOOD GARDEN DR 0.3 1 0 0 1 10 2 2 753 FREEPORT BLVD 0.5 5 3 1 1 10 2 2 754 <	FALVEL RD	0.5	3	0	0	3	5	2	7	276
FARRELL RD0.52002022636FARRELL RD0.52002527202FEDERAL RD0.53003044438FOREST TRAILS DR0.42002022693FOXBRICK LN0.32002808156FOXWOOD GARDEN DR0.31001022753FREEPORT BLVD0.55311104148FRICK RD0.52002022754	FARMINGHAM DR	0.5	2	0	0	2	0	2	2	659
FARRELL RD0.52002527202FEDERAL RD0.53003044438FOREST TRAILS DR0.42002022693FOXBRICK LN0.32002808156FOXWOOD GARDEN DR0.31001022753FREEPORT BLVD0.55311104148FRICK RD0.52002022754	FARRELL RD	0.5	2	0	0	2	5	2	7	201
FEDERAL RD0.53003044438FOREST TRAILS DR0.42002022693FOXBRICK LN0.32002808156FOXWOOD GARDEN DR0.31001022753FREEPORT BLVD0.55311104148FRICK RD0.52002022754	FARRELL RD	0.5	2	0	0	2	0	2	2	636
FOREST TRAILS DR 0.4 2 0 0 2 0 2 2 693 FOXBRICK LN 0.3 2 0 0 2 8 0 8 156 FOXWOOD GARDEN DR 0.3 1 0 0 1 0 2 2 753 FREEPORT BLVD 0.5 5 3 1 10 4 14 8 FRICK RD 0.5 2 0 0 2 0 2 2 754	FARRELL RD	0.5	2	0	0	2	5	2	7	202
FOXBRICK LN0.32002808156FOXWOOD GARDEN DR0.31001022753FREEPORT BLVD0.55311104148FRICK RD0.52002022754	FEDERAL RD	0.5	3	0	0	3	0	4	4	438
FOXWOOD GARDEN DR0.31001022753FREEPORT BLVD0.55311104148FRICK RD0.52002022754	FOREST TRAILS DR	0.4	2	0	0	2	0	2	2	693
FREEPORT BLVD 0.5 5 3 1 10 4 14 8 FRICK RD 0.5 2 0 0 2 0 2 2 754	FOXBRICK LN	0.3	2	0	0	2	8	0	8	156
FRICK RD 0.5 2 0 0 2 0 2 2 754	FOXWOOD GARDEN DR	0.3	1	0	0	1	0	2	2	753
	FREEPORT BLVD	0.5	5	3	1	1	10	4	14	8
FRY RD 0.5 6 1 0 5 0 6 332	FRICK RD	0.5	2	0	0		0	2	2	754
	FRY RD	0.5	6	1	0	5	0	6	6	332



Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI		SI	KSI	KSI
					Crashes	score	Score	score	Kank
FRY RD	0.5	4	0	0	4	8	2	10	48
FRY RD	0.5	4	0	1	3	0	4	4	467
FRY RD	0.5	2	0	0	2	5	2	7	250
FRY RD	0.5	3	2	0	1	5	4	9	110
FRY RD	0.5	3	0	0	3	0	4	4	468
FRY RD	0.5	6	0	0	6	0	6	6	333
FRY RD	0.5	4	0	0	4	5	4	9	92
FRY RD	0.5	3	0	0	3	0	4	4	469
FRY RD	0.5	2	1	0	1	5	2	7	251
FURAY RD	0.5	2	0	0	2	8	0	8	143
FURMAN RD	0.5	4	0	0	4	0	4	4	419
GAINESVILLE ST	0.3	1	0	0	1	0	2	2	660
GARRETT RD	0.5	3	0	0	3	5	2	7	203
GARRETT RD	0.5	3	0	0	3	5	2	7	167
GARRETT RD	0.5	2	0	0	2	0	2	2	584
GARRETT RD	0.5	2	0	0	2	5	2	7	204
GARTH RD	0.5	2	0	0	2	5	2	7	226
GARTH RD	0.5	2	0	0	2	0	2	2	661
GARTH RD	0.4	5	0	0	5	8	4	12	22
GATEBROOK DR	0.3	1	0	1	0	0	4	4	369
GEARS RD	0.5	2	0	0	2	8	0	8	157
GEARS RD	0.5	3	0	0	3	8	2	10	51
GEARS RD	0.5	2	0	0	2	0	2	2	755
GENOA RED BLUFF RD	0.5	4	0	1	3	0	4	4	370
GENOA RED BLUFF RD	0.5	3	0	0	3	0	4	4	371
GENOA RED BLUFF RD	0.5	3	0	0	3	0	4	4	372
GENOA RED BLUFF RD	0.5	2	1	0	1	5	4	9	66
GENOA RED BLUFF RD	0.5	2	0	0	2	5	2	7	227
GENOA RED BLUFF RD	0.5	2	0	0	2	0	2	2	599
GESSNER RD	0.5	2	0	0	2	0	2	2	756
GESSNER RD	0.5	3	0	0	3	5	2	7	277
GLEANNLOCH FOREST DR	0.3	3	0	0	3	0	4	4	513
GLEN CHASE DR	0.5	6	2	0	4	10	6	16	5
GOLDEN EAGLE DR	0.5	2	1	0	1	0	4	4	514
GOSLING RD	0.5	2	0	0	2	0	2	2	757
GOSLING RD	0.5	3	0	0	3	0	4	4	515
GRANT RD	0.5	4	1	1	2	5	6	11	34
GRANT RD	0.5	4	0	0	4	5	4	9	111
GRANT RD	0.5	2	0	0	2	5	2	7	252
GRANT RD	0.5	2	0	0	2	5	2	7	188





Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI		SI Score	KSI	KSI Pank
				s Crashes		SCOLE	SCOLE	SCOLE	KUIIK
GRANT RD	0.5	2	0	0	2	0	2	2	758
GREEN RIVER DR	0.5	2	0	0	2	5	2	7	205
GREENBROOK DR	0.5	2	0	0	2	5	2	7	206
GREENHOUSE RD	0.5	3	0	0	3	5	2	7	253
GREENHOUSE RD	0.5	3	0	0	3	0	4	4	470
GREENHOUSE RD	0.5	2	0	0	2	5	2	7	254
GREENHOUSE RD	0.5	3	0	0	3	5	2	7	255
GREENHOUSE RD	0.5	2	0	0	2	0	2	2	618
GREENHOUSE RD	0.5	2	0	0	2	0	2	2	611
GREENHOUSE RD	0.5	4	0	1	3	5	4	9	93
GREENHOUSE RD	0.5	4	1	0	3	0	4	4	397
GREENLAND WAY	0.3	2	0	0	2	0	2	2	694
GREENS RD	0.5	2	0	0	2	5	2	7	168
GREENWOOD FOREST DR	0.5	2	1	0	1	5	2	7	278
GROESCHKE RD	0.4	2	0	0	2	0	2	2	695
GULF BANK RD	0.5	2	1	0	1	0	4	4	439
HARDY RD	0.3	3	1	0	2	5	2	7	228
HARDY RD	0.5	2	0	0	2	0	2	2	600
HARDY ST	0.5	2	0	0	2	0	2	2	637
HARDY ST	0.5	2	0	1	1	5	4	9	75
HARDY ST	0.5	2	1	0	1	0	4	4	420
HARDY ST	0.5	2	1	0	1	5	4	9	86
HARDY ST	0.3	1	0	0	1	0	2	2	638
HARE RD	0.4	3	0	0	3	0	4	4	440
HARGRAVES RD	0.4	2	0	0	2	5	2	7	229
HERMANN RD	0.5	2	0	0	2	5	2	7	207
HIGHLAND KNOLLS DR	0.5	2	0	0	2	0	2	2	697
HILLCROFT AVE	0.5	2	0	0	2	5	2	7	208
HILLCROFT AVE	0.5	3	1	1	1	5	4	9	76
HILLCROFT AVE	0.5	3	0	0	3	0	4	4	421
HILLCROFT AVE	0.5	2	0	0	2	0	2	2	698
HOLLISTER ST	0.5	3	0	0	3	0	4	4	516
HOLLISTER ST	0.5	3	0	0	3	0	4	4	517
HOLLOW TREE LN	0.5	4	0	0	4	0	4	4	518
HOLLOW TREE LN	0.5	4	0	0	4	10	2	12	23
HOLZWARTH RD	0.4	2	0	0	2	5	2	7	279
HOLZWARTH RD	0.3	2	0	0	2	0	2	2	759
HOLZWARTH RD	0.5	2	1	0	1	5	4	9	112
HOLZWARTH RD	0.5	2	0	0	2	5	2	7	280
HOMESTEAD RD	0.5	5	3	0	2	0	8	8	144



KSIKSIKSIKSIScore <th>422) 40</th>	422) 40
HOMESTEAD RD 0.5 4 1 0 3 0 4 4 HOMESTEAD RD 0.5 3 1 0 2 8 2 1) 40
	77
HOMESTEAD RD 0.5 5 0 0 5 5 4 9	
HOMESTEAD RD 0.5 4 1 0 3 8 2 1) 41
HOPPER RD 0.5 4 1 0 3 5 4 9	87
HOPPER RD 0.5 3 0 0 3 0 4 4	373
HUFFMAN CLEVELAND RD 0.5 3 0 0 3 8 2 1) 44
HUFFMAN CLEVELAND RD 0.5 2 0 0 2 5 2 7	230
HUFFMAN CLEVELAND RD 0.4 2 0 0 2 8 0 8	145
HUFFMAN CLEVELAND RD 0.5 2 0 0 2 0 2	662
HUFFMEISTER RD 0.5 2 0 0 2 0 2 <th2< th=""> <th2< th=""> 2</th2<></th2<>	619
HUFFMEISTER RD 0.5 3 2 0 1 0 6 6	314
HUFFMEISTER RD 0.5 2 0 0 2 0 2 <th2< th=""> <th2< th=""> 2</th2<></th2<>	612
HUFFMEISTER RD 0.4 2 0 0 2 0 2 2	699
HUFFMEISTER RD 0.5 2 1 0 1 0 4 4	398
HUFSMITH KOHRVILLE RD 0.5 2 0 0 2 0 2 <th2< th=""> <th2< th=""> 2 2</th2<></th2<>	760
HUFSMITH KOHRVILLE RD 0.5 2 2 0 0 6 6	336
HUFSMITH KOHRVILLE RD 0.5 3 0 0 3 0 4 4	519
HUFSMITH KOHRVILLE RD 0.5 3 0 0 3 0 4 4	520
HUFSMITH KOHRVILLE RD 0.5 4 0 0 4 0 4 4	521
HUFSMITH KOHRVILLE RD 0.5 4 0 0 4 5 4 9	113
HUFSMITH RD 0.4 5 1 0 4 5 4 9	114
HUGH RD 0.4 2 1 0 1 0 4 4	522
IMPERIAL VALLEY DR 0.5 2 0 1 1 0 4 4	356
IMPERIAL VALLEY DR 0.5 2 0 1 1 5 4 9	59
IMPERIAL VALLEY DR 0.5 2 1 0 1 0 4 4	357
INDEPENDENCE PKWY S 0.5 3 0 0 3 0 4 4	374
INDEPENDENCE PKWY S 0.5 2 0 0 2 0 2 <th2< th=""> 2</th2<>	601
INDIAN SHORES RD 0.5 3 0 0 3 5 2 7	231
ISOM ST 0.4 2 0 1 1 0 4 4	441
JACK RABBIT RD 0.5 3 1 0 2 0 4 4	523
JOAN OF ARC ST 0.4 2 0 0 2 5 2 7	232
JOHN F KENNEDY BLVD 0.5 3 2 0 1 5 4 9	88
JOHN RALSTON RD 0.5 2 0 0 2 5 2 7	209
JOHN RALSTON RD 0.3 2 0 0 2 5 2 7	169
JONES RD 0.4 2 0 1 1 0 4 4	524
JONES RD 0.5 4 1 0 3 5 4 9	115
JONES RD 0.5 2 0 0 2 0 2 2 2	761
JONES RD 0.5 2 0 0 2 0 2 2	762
JONES RD 0.5 5 0 0 5 0 6 6	315



Regional Road	Length	Total KSI	Ped. KSI		Vehicular		SI Score	KSI	KSI Pank
				KSI s Crashes	KSI Crashes	Score	Score	score	Kank
JONES RD	0.5	3	1	0	2	5	2	7	281
JONES RD	0.5	6	1	0	5	5	6	11	28
JONES RD	0.5	4	0	0	4	0	4	4	405
JONES RD	0.5	4	0	0	4	0	4	4	399
JONES RD	0.5	2	1	0	1	0	4	4	400
JONES RD	0.5	2	0	0	2	0	2	2	620
KATY FORT BEND RD	0.5	4	0	0	4	0	4	4	471
KATY FWY	0.5	2	0	0	2	0	2	2	700
KATY GAP RD	0.5	3	0	0	3	0	4	4	472
KATY HOCKLEY CUT OFF RD	0.5	2	0	0	2	0	2	2	701
KATY HOCKLEY RD	0.5	2	0	0	2	0	2	2	702
KATY HOCKLEY RD	0.5	2	0	0	2	5	2	7	256
KEMPWOOD DR	0.5	3	0	0	3	0	4	4	401
KENSWICK DR	0.5	3	0	0	3	5	2	7	282
KENSWICK DR	0.5	3	0	0	3	5	2	7	210
KICKAPOO RD	0.5	2	0	1	1	0	4	4	473
KIETH HARROW BLVD	0.5	2	0	1	1	0	4	4	406
KIETH HARROW BLVD	0.5	3	0	0	3	5	2	7	189
KINGS PARK WAY	0.5	3	0	0	3	0	4	4	525
KINGSLAND BLVD	0.5	3	0	0	3	5	2	7	257
KINGSLAND BLVD	0.5	3	0	0	3	5	2	7	258
KIRBY RD	0.3	3	0	0	3	0	4	4	375
KITZMAN RD	0.5	2	1	0	1	5	2	7	283
KRENEK RD	0.5	2	1	0	1	5	2	7	233
KUYKENDAHL RD	0.5	3	0	0	3	5	2	7	284
KUYKENDAHL RD	0.5	5	1	0	4	5	4	9	60
KUYKENDAHL RD	0.5	5	1	0	4	5	4	9	61
KUYKENDAHL RD	0.5	2	0	0	2	0	2	2	763
KUYKENDAHL RD	0.5	2	0	1	1	0	4	4	526
KUYKENDAHL RD	0.5	2	1	0	1	5	2	7	285
KUYKENDAHL RD	0.5	3	1	0	2	5	4	9	116
KUYKENDAHL RD	0.5	3	0	0	3	0	4	4	527
KUYKENDAHL RD	0.5	2	0	0	2	8	0	8	158
KUYKENDAHL RD	0.5	3	1	0	2	0	4	4	528
KUYKENDAHL RD	0.5	3	0	0	3	0	4	4	529
KUYKENDAHL RD	0.5	3	0	0	3	0	4	4	530
KUYKENDAHL RD	0.5	4	0	0	4	0	4	4	531
KUYKENDAHL RD	0.5	2	0	0	2	5	2	7	286
KUYKENDAHL RD	0.5	5	0	0	5	5	4	9	117
KUYKENDAHL RD	0.5	3	0	0	3	0	4	4	532





K31 K31 K31 K31 Corashes Croashes Croashes <thcroashes< th=""></thcroashes<>	Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI		SI	KSI	KSI Pank
LAKEVIEW HAVEN DR 0.3 3 0 1 2 0 4 4 474 LANGEY RD 0.5 3 0 1 2 0 4 4 442 LAUDER RD 0.5 3 1 0 2 0 4 4 4376 LAUDER RD 0.5 3 1 1 1 5 4 9 67 LEE RD 0.4 3 0 0 1 0 2 7 170 LEE RD 0.4 3 0 0 1 0 2 2 764 LILLA RD 0.5 2 0 0 2 0 2 2 763 LITTLE YORK RD 0.5 2 0 0 2 0 2 2 765 LONG CRADLE OR 0.5 2 0 0 2 0 2 2 765 LONG KRD <							Score	Score	SCOLE	KUIIK
LAUDER RD 0.5 3 1 0 2 0 4 4 376 LAUDER RD 0.5 3 1 1 1 5 4 9 67 LEE RD 0.5 2 1 0 1 5 2 7 170 LEE RD 0.4 3 0 0 1 0 2 2 764 LILLA RD 0.3 2 0 0 2 0 2 2 639 LITLE YOR KD 0.5 2 0 0 2 0 2 2 633 LITLE YOR KD 0.5 2 0 0 2 0 2 2 7 171 LOTT LEYOR KD 0.5 2 0 0 2 0 2 2 7 703 LON CAK RD 0.3 2 0 1 1 0 4 4 443 LONGENBAUGH RD 0.5 2 0 0 5 2 7 287	LAKEVIEW HAVEN DR	0.3					0	4	4	474
LAUDER RD 0.5 3 1 1 1 5 4 9 67 LEE RD 0.5 2 1 0 1 5 2 7 170 LEE RD 0.3 0 0 3 0 4 4 533 LINA DR 0.5 2 0 0 2 0 2 2 639 LILLIA RD 0.5 2 0 0 2 0 2 2 633 LITTLE YORK RD 0.5 2 0 0 2 0 2 2 7 171 LITTLE YORK RD 0.5 2 0 0 3 0 4 4 4433 LONG CAALLE DR 0.5 2 0 0 2 0 2 2 704 LONG CAALLE DR 0.5 2 0 0 2 0 2 2 704 LONG SENBAUGH RD	LANGLEY RD	0.5	3	0	1	2	0	4	4	442
LEE RD 0.5 2 1 0 1 5 2 7 170 LEE RD 0.4 3 0 0 3 0 4 4 533 LEINAD DR 0.3 1 0 0 1 0 2 2 764 LILLIA RD 0.5 2 0 0 2 0 2 2 633 LITLE YORK RD 0.5 2 0 0 2 5 2 7 171 LITTLE YORK RD 0.5 2 0 0 2 5 2 7 171 LOG CRADLE DR 0.5 2 0 0 2 0 2 2 765 LONE OAK RD 0.3 2 0 0 2 0 2 2 703 LONE GAK RD 0.5 2 0 0 2 2 703 LONE GAK RD 0.5 2	LAUDER RD	0.5	3	1	0	2	0	4	4	376
LEE RD 0.4 3 0 0 3 0 4 4 533 LINAD DR 0.3 1 0 0 1 0 2 2 764 LILLA RD 0.5 2 0 0 2 0 2 2 2 639 LITLE YORK RD 0.5 2 0 0 2 0 2 2 2 663 LITTLE YORK RD 0.5 2 0 0 2 0 2 2 2 663 LOR CARALE DR 0.5 2 0 0 2 0 2 2 2 663 LONE CAR RD 0.3 2 0 1 1 0 4 4 433 LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 7 281 LOUETTA CROSSING 0.3 2 2 0 2 5	LAUDER RD	0.5	3	1	1	1	5	4	9	67
LEINAD DR 0.3 1 0 0 1 0 2 2 764 LILLIA RD 0.5 2 0 0 2 0 2 2 639 LILLA RD 0.5 2 0 0 2 5 2 7 234 LITTLE YORK RD 0.5 2 0 0 2 5 2 7 171 LOR K RD 0.5 2 0 0 2 0 2 2 765 LONE OAK RD 0.5 2 0 0 2 0 2 2 765 LONE OAK RD 0.5 2 0 0 2 0 2 2 704 LONGENBAUGH RD 0.5 2 1 0 1 0 4 4 402 LOUETTA CROSSING 0.3 2 2 0 0 5 6 6 337 LOUETTA RD	LEE RD	0.5	2	1	0	1	5	2	7	170
LILIA RD 0.5 2 0 0 2 0 2 2 639 LILLIA RD 0.3 2 0 0 2 5 2 7 234 LITTLE YORK RD 0.5 2 0 0 2 0 2 2 2 663 LITTLE YORK RD 0.5 2 0 0 2 0 2 2 7 171 LOG CRADLE DR 0.5 2 0 0 2 0 2 2 765 LONE OAK RD 0.3 2 0 1 1 0 4 4 443 LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 703 LONGENBAUGH RD 0.5 2 1 0 1 0 4 402 LOUETTA CROSSING 0.3 2 2 0 2 5 2 7 287	LEE RD	0.4	3	0	0	3	0	4	4	533
LILLA RD 0.3 2 0 0 2 5 2 7 234 LITTLE YORK RD 0.5 2 0 0 2 0 2 2 663 LITTLE YORK RD 0.5 2 0 0 2 5 2 7 171 LITTLE YORK RD 0.5 3 0 0 3 0 4 4 377 LOG CRADLE DR 0.5 2 0 0 2 0 2 2 765 LONE OAK RD 0.3 2 0 1 1 0 4 4 443 LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 704 LOWETAK RD 0.5 2 1 0 1 0 4 4 402 LOUETTA CROSSING 0.3 2 2 0 0 5 6 11 35 LOUETTA RD 0.5 5 0 0 5 6 11 35 <tr< th=""><th>LEINAD DR</th><td>0.3</td><td>1</td><td>0</td><td>0</td><td>1</td><td>0</td><td>2</td><td>2</td><td>764</td></tr<>	LEINAD DR	0.3	1	0	0	1	0	2	2	764
LITTLE YORK RD 0.5 2 0 0 2 0 2 2 663 LITTLE YORK RD 0.5 3 0 0 3 0 4 4 377 LOG CRADLE DR 0.5 2 0 0 2 0 2 2 765 LONE OAK RD 0.3 2 0 1 1 0 4 4 433 LONGENBAUGH RD 0.5 2 0 0 2 0 2 704 LONGENBAUGH RD 0.5 2 0 0 2 0 2 704 LOUETTA CROSSING 0.3 2 2 0 0 5 4 9 118 LOUETTA RD 0.5 2 0 0 5 6 11 35 LOUETTA RD 0.5 6 0 0 6 5 6 11 35 LOUETTA RD 0.5 3 0 0 3 5 2 7 288 LOUETTA RD	LILLJA RD	0.5	2	0	0	2	0	2	2	639
LITTLE YORK RD 0.5 2 0 0 2 5 2 7 171 LITTLE YORK RD 0.5 3 0 0 3 0 4 4 377 LOG CRADLE DR 0.5 2 0 0 2 0 2 2 765 LONG CRADLE DR 0.3 2 0 1 1 0 4 4 4433 LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 704 LONGENBAUGH RD 0.5 2 1 0 1 0 4 4 402 LOUETTA CROSSING 0.3 2 2 0 0 5 4 9 118 LOUETTA RD 0.5 6 0 0 6 5 6 11 35 LOUETTA RD 0.5 4 1 0 3 0 4 4 533 LOUETTA RD 0.5 4 0 1 3 0 4 4 536	LILLJA RD	0.3	2	0	0	2	5	2	7	234
LITTLE YORK RD 0.5 3 0 0 3 0 4 4 377 LOG CRADLE DR 0.5 2 0 0 2 0 2 2 2 765 LONE OAK RD 0.3 2 0 1 1 0 4 4 443 LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 703 LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 704 LOUETA CROSSING 0.3 2 2 0 0 5 4 9 118 LOUETA RD 0.5 2 0 0 2 5 2 7 287 LOUETA RD 0.5 5 0 0 6 5 6 11 35 LOUETA RD 0.5 4 1 0 3 0 4 4 534 LOUETA RD 0.5 2 0 0 2 0 2 7 <td< th=""><th>LITTLE YORK RD</th><td>0.5</td><td>2</td><td>0</td><td>0</td><td>2</td><td>0</td><td>2</td><td>2</td><td>663</td></td<>	LITTLE YORK RD	0.5	2	0	0	2	0	2	2	663
LOG CRADLE DR 0.5 2 0 0 2 0 2 2 765 LONE OAK RD 0.3 2 0 1 1 0 4 4 443 LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 703 LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 704 LONEENBAUGH RD 0.5 2 1 0 1 0 4 4 402 LOUETTA CROSSING 0.3 2 2 0 0 5 4 9 118 LOUETTA RD 0.5 6 0 0 6 5 6 11 353 LOUETTA RD 0.5 4 1 0 3 0 4 4 534 LOUETTA RD 0.5 4 0 1 3 0 4 4 535 LO	LITTLE YORK RD	0.5	2	0	0	2	5	2	7	171
LONE OAK RD 0.3 2 0 1 1 0 4 4 443 LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 2 703 LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 2 704 LONGENBAUGH RD 0.5 2 1 0 1 0 4 4 402 LOUETTA CROSSING 0.3 2 2 0 0 5 4 9 118 LOUETTA RD 0.5 6 0 0 6 5 6 11 35 LOUETTA RD 0.5 5 0 0 5 0 6 6 337 LOUETTA RD 0.5 4 1 0 3 0 4 4 535 LOUETTA RD 0.5 4 1 0 3 5 2 7 288 LOUETTA RD 0.5 2 0 0 2 0 2 <	LITTLE YORK RD	0.5	3	0	0	3	0	4	4	377
LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 703 LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 704 LONGENBAUGH RD 0.5 2 1 0 1 0 4 4 402 LOUETTA CROSSING 0.3 2 2 0 0 5 4 9 118 LOUETTA RD 0.5 2 0 0 6 5 6 11 35 LOUETTA RD 0.5 6 0 0 6 5 6 11 35 LOUETTA RD 0.5 4 1 0 3 0 4 4 534 LOUETTA RD 0.5 4 1 0 3 0 4 4 535 LOUETTA RD 0.5 2 0 0 2 0 2 2 766 LOUETTA RD 0.5 2 0 0 2 0 2 2 767 </th <th>LOG CRADLE DR</th> <td>0.5</td> <td>2</td> <td>0</td> <td>0</td> <td>2</td> <td>0</td> <td>2</td> <td>2</td> <td>765</td>	LOG CRADLE DR	0.5	2	0	0	2	0	2	2	765
LONGENBAUGH RD 0.5 2 0 0 2 0 2 2 704 LONGENBAUGH RD 0.5 2 1 0 1 0 4 4 402 LOUETTA CROSSING 0.3 2 2 0 0 5 4 9 118 LOUETTA RD 0.5 2 0 0 2 5 2 7 287 LOUETTA RD 0.5 6 0 0 6 5 6 11 35 LOUETTA RD 0.5 5 0 0 5 0 6 6 337 LOUETTA RD 0.5 4 1 0 3 0 4 4 534 LOUETTA RD 0.5 4 0 1 3 0 4 4 535 LOUETTA RD 0.5 2 0 0 2 0 2 2 766 LOUETTA RD 0.5 2 0 0 2 0 2 2 767	LONE OAK RD	0.3	2	0	1	1	0	4	4	443
LONGENBAUGH RD 0.5 2 1 0 1 0 4 4 402 LOUETTA CROSSING 0.3 2 2 0 0 5 4 9 118 LOUETTA RD 0.5 2 0 0 2 5 2 7 287 LOUETTA RD 0.5 6 0 0 6 5 6 11 35 LOUETTA RD 0.5 5 0 0 5 0 6 6 337 LOUETTA RD 0.5 4 1 0 3 0 4 4 534 LOUETTA RD 0.5 4 0 1 3 0 4 4 535 LOUETTA RD 0.5 2 0 2 0 2 2 7 288 LOUETTA RD 0.5 2 0 0 3 5 4 9 119 LOUETTA RD 0.5 2 0 0 1 0 4 4 537	LONGENBAUGH RD	0.5	2	0	0	2	0	2	2	703
LOUETTA CROSSING 0.3 2 2 0 0 5 4 9 118 LOUETTA RD 0.5 2 0 0 2 5 2 7 287 LOUETTA RD 0.5 6 0 0 6 5 6 11 35 LOUETTA RD 0.5 5 0 0 5 0 6 6 337 LOUETTA RD 0.5 4 1 0 3 0 4 4 534 LOUETTA RD 0.5 4 0 1 3 0 4 4 534 LOUETTA RD 0.5 4 0 1 3 0 4 4 535 LOUETTA RD 0.5 2 0 2 0 2 2 766 LOUETTA RD 0.5 2 0 0 2 0 2 2 767 LOUETTA RD 0.5 2 0 0 2 0 2 7 289 LOUETT	LONGENBAUGH RD	0.5	2	0	0	2	0	2	2	704
LOUETTA RD0.52002527287LOUETTA RD0.56006561135LOUETTA RD0.55005066337LOUETTA RD0.54103044534LOUETTA RD0.53003527288LOUETTA RD0.54013044534LOUETTA RD0.5200202277288LOUETTA RD0.54013044535LOUETTA RD0.520020227288LOUETTA RD0.520020227288LOUETTA RD0.520020227288LOUETTA RD0.520020227288LOUETTA RD0.52101044536LOUETTA RD0.52101044537LOUETTA RD0.520020227289LOUETTA RD0.520020227289 <t< th=""><th>LONGENBAUGH RD</th><td>0.5</td><td>2</td><td>1</td><td>0</td><td>1</td><td>0</td><td>4</td><td>4</td><td>402</td></t<>	LONGENBAUGH RD	0.5	2	1	0	1	0	4	4	402
LOUETTA RD0.56006561135LOUETTA RD0.55005066337LOUETTA RD0.54103044534LOUETTA RD0.53003527288LOUETTA RD0.54013044535LOUETTA RD0.52002022766LOUETTA RD0.54103549119LOUETTA RD0.52002022767LOUETTA RD0.52101549120LOUETTA RD0.52101044536LOUETTA RD0.52101044536LOUETTA RD0.52101044536LOUETTA RD0.52002022767LOUETTA RD0.52002022768LOUETTA RD0.52002022769LOUETTA RD0.52101044537LOUETTA RD0.521010<	LOUETTA CROSSING	0.3	2	2	0	0	5	4	9	118
LOUETTA RD0.55005066337LOUETTA RD0.54103044534LOUETTA RD0.53003527288LOUETTA RD0.54013044535LOUETTA RD0.520020222766LOUETTA RD0.520020222767LOUETTA RD0.52101549119LOUETTA RD0.52101549120LOUETTA RD0.52101549120LOUETTA RD0.52101549120LOUETTA RD0.52101044536LOUETTA RD0.52002527289LOUETTA RD0.52002022768LOUETTA RD0.52002022768LOUETTA RD0.52002022769LOUETTA RD0.52101044433MACNAUGHTON DR0.5210 </th <th>LOUETTA RD</th> <td>0.5</td> <td>2</td> <td>0</td> <td>0</td> <td>2</td> <td>5</td> <td>2</td> <td>7</td> <td>287</td>	LOUETTA RD	0.5	2	0	0	2	5	2	7	287
LOUETTA RD0.54103044534LOUETTA RD0.53003527288LOUETTA RD0.54013044535LOUETTA RD0.520020227LOUETTA RD0.520020227LOUETTA RD0.520020227LOUETTA RD0.520020227LOUETTA RD0.520020227LOUETTA RD0.52101549120LOUETTA RD0.52101549120LOUETTA RD0.52101044536LOUETTA RD0.52002527289LOUETTA RD0.52002022768LOUETTA RD0.52002022769LOUETTA RD0.52101044438MACNAUGHTON DR0.52101044423MAIN ST0.5210104	LOUETTA RD	0.5	6	0	0	6	5	6	11	35
LOUETTA RD0.53003527288LOUETTA RD0.54013044535LOUETTA RD0.52002022777LOUETTA RD0.52002022277 <th>LOUETTA RD</th> <td>0.5</td> <td>5</td> <td>0</td> <td>0</td> <td>5</td> <td>0</td> <td>6</td> <td>6</td> <td>337</td>	LOUETTA RD	0.5	5	0	0	5	0	6	6	337
LOUETTA RD0.54013044535LOUETTA RD0.52002022766LOUETTA RD0.54103549119LOUETTA RD0.52002022767LOUETTA RD0.52101549120LOUETTA RD0.52101549120LOUETTA RD0.52101044536LOUETTA RD0.52101044537LOUETTA RD0.520020227289LOUETTA RD0.520020227768LOUETTA RD0.52002022769LUTHERAN CHURCH RD0.53102044433MACNAUGHTON DR0.52101044423MAIN ST0.52101044424MAIN ST0.520020222MAIN ST0.520020222664	LOUETTA RD	0.5	4	1	0	3	0	4	4	534
LOUETTA RD0.52002022766LOUETTA RD0.54103549119LOUETTA RD0.52002022767LOUETTA RD0.52101549120LOUETTA RD0.52101549120LOUETTA RD0.52101044536LOUETTA RD0.52002527289LOUETTA RD0.52002022768LOUETTA RD0.52002022768LOUETTA RD0.52002022768LOUETTA RD0.52001022768LOUETTA RD0.5310202769LUNDAR LN0.3100104444MAIN ST0.5210104423MAIN ST0.5210104424MAIN ST0.52002022664	LOUETTA RD	0.5	3	0	0	3	5	2	7	288
LOUETTA RD0.54103549119LOUETTA RD0.52002022767LOUETTA RD0.52101549120LOUETTA RD0.52101044536LOUETTA RD0.52101044537LOUETTA RD0.52002527289LOUETTA RD0.52002022768LOUETTA RD0.52001022769LOUETTA RD0.53102044538MACNAUGHTON DR0.52101044424MAIN ST0.52101044424MANOR ST0.52002022664	LOUETTA RD	0.5	4	0	1	3	0	4	4	535
LOUETTA RD0.52002022767LOUETTA RD0.52101549120LOUETTA RD0.52101044536LOUETTA RD0.52101044537LOUETTA RD0.52002527289LOUETTA RD0.52002022768LOUETTA RD0.52002022769LOUETTA RD0.531001022769LOUETTA RD0.53102044538MACNAUGHTON DR0.53102044424MAIN ST0.52101044424MAIN ST0.52101044425MANOR ST0.52002022664	LOUETTA RD	0.5	2	0	0	2	0	2	2	766
LOUETTA RD0.52101549120LOUETTA RD0.52101044536LOUETTA RD0.54004044537LOUETTA RD0.52002527289LOUETTA RD0.52002022768LOUETTA RD0.52001022769LUNDAR LN0.31001022769LUTHERAN CHURCH RD0.53102044MAIN ST0.521010444MAIN ST0.5210104425MANOR ST0.52002022664	LOUETTA RD	0.5	4	1	0	3	5	4	9	119
LOUETTA RD0.52101044536LOUETTA RD0.54004044537LOUETTA RD0.52002527289LOUETTA RD0.52002022768LOUETTA RD0.31001022769LUNDAR LN0.31001022769LUTHERAN CHURCH RD0.53102044538MACNAUGHTON DR0.52101044423MAIN ST0.52101044424MAIN ST0.52101044425MANOR ST0.52002022664	LOUETTA RD	0.5	2	0	0	2	0	2	2	767
LOUETTA RD0.54004044537LOUETTA RD0.52002527289LOUETTA RD0.52002022768LUNDAR LN0.31001022769LUTHERAN CHURCH RD0.53102044538MACNAUGHTON DR0.52101044444MAIN ST0.52101044423MAIN ST0.52101044425MANOR ST0.52002022664	LOUETTA RD	0.5	2	1	0	1	5	4	9	120
LOUETTA RD0.52002527289LOUETTA RD0.52002022768LUNDAR LN0.31001022769LUTHERAN CHURCH RD0.53102044538MACNAUGHTON DR0.52101044444MAIN ST0.52101044423MAIN ST0.52101044425MANOR ST0.52002022664	LOUETTA RD	0.5	2	1	0	1	0	4	4	536
LOUETTA RD0.52002022768LUNDAR LN0.31001022769LUTHERAN CHURCH RD0.53102044538MACNAUGHTON DR0.52101044444MAIN ST0.54004044423MAIN ST0.52101044424MAIN ST0.52101044425MANOR ST0.52002022664	LOUETTA RD	0.5	4	0	0	4	0	4	4	537
LUNDAR LN0.31001022769LUTHERAN CHURCH RD0.53102044538MACNAUGHTON DR0.52101044444MAIN ST0.54004044423MAIN ST0.52101044424MAIN ST0.52101044425MANOR ST0.52002022664	LOUETTA RD	0.5	2	0	0	2	5	2	7	289
LUTHERAN CHURCH RD0.53102044538MACNAUGHTON DR0.52101044444MAIN ST0.54004044423MAIN ST0.52101044424MAIN ST0.52101044425MAIN ST0.52002022664	LOUETTA RD	0.5	2	0	0	2	0	2	2	768
MACNAUGHTON DR 0.5 2 1 0 1 0 4 4 444 MAIN ST 0.5 4 0 0 4 0 4 4 423 MAIN ST 0.5 2 1 0 1 0 4 4 423 MAIN ST 0.5 2 1 0 1 0 4 424 MAIN ST 0.5 2 1 0 1 0 4 425 MANOR ST 0.5 2 0 0 2 0 2 2 664	LUNDAR LN	0.3	1	0	0	1	0	2	2	769
MAIN ST0.5400404423MAIN ST0.5210104424MAIN ST0.5210104425MANOR ST0.52002022664	LUTHERAN CHURCH RD	0.5	3	1	0	2	0	4	4	538
MAIN ST0.52101044424MAIN ST0.52101044425MANOR ST0.52002022664	MACNAUGHTON DR	0.5	2	1	0	1	0	4	4	444
MAIN ST0.52101044425MANOR ST0.52002022664	MAIN ST	0.5	4	0	0	4	0	4	4	423
MANOR ST 0.5 2 0 0 2 0 2 2 664	MAIN ST	0.5	2	1	0	1	0	4	4	424
	MAIN ST	0.5	2	1	0	1	0	4	4	425
MARILYNN LN 0.4 2 0 0 2 5 2 7 290	MANOR ST	0.5	2	0	0	2	0	2	2	664
	MARILYNN LN	0.4	2	0	0	2	5	2	7	290



Regional Road	Length	Total	Ped.		Vehicular	K	SI	KSI	KSI
		KSI Crashes	KSI Crashes	KSI Crashes	KSI Crashes	Score	Score	Score	капк
MAXIMILIAN ST	0.3	3	0	0	3	0	4	4	445
MAYWOOD FOREST DR	0.4	2	0	0	2	0	2	2	640
MC FARLAND RD	0.5	2	0	0	2	0	2	2	641
MCKENDREE PARK DR	0.3	1	0	0	1	0	2	2	770
MEADOW EDGE DR	0.4	2	0	0	2	5	2	7	291
MEDICAL CENTER BLVD	0.3	3	0	0	3	0	4	4	378
MEMORIAL CHASE RD	0.5	3	1	0	2	0	4	4	539
MEMORIAL CHASE RD	0.3	1	0	0	1	0	2	2	771
MESA DR	0.5	2	0	0	2	0	2	2	642
MESA DR	0.5	2	0	0	2	0	2	2	772
MILLER ROAD NO 1	0.5	2	0	0	2	0	2	2	585
MILLS RD	0.5	2	0	0	2	0	2	2	773
MITCHELL RD	0.5	2	0	0	2	5	2	7	211
MOREWOOD DR	0.3	3	2	0	1	5	4	9	121
MORNING DEW LN	0.3	2	0	0	2	0	2	2	774
MORTON RD	0.5	2	0	0	2	0	2	2	705
MORTON RD	0.5	2	0	0	2	8	0	8	148
MORTON RD	0.5	4	0	0	4	0	4	4	475
MOUNT HOUSTON RD	0.5	4	0	0	4	0	4	4	446
MOUNT HOUSTON RD	0.5	3	0	0	3	0	4	4	379
MOUNT HOUSTON RD	0.5	3	0	0	3	8	2	10	37
MUESCHKE RD	0.5	2	0	0	2	0	2	2	613
MUESCHKE RD	0.5	2	0	0	2	0	2	2	706
MUESCHKE RD	0.5	3	1	0	2	0	4	4	476
N ELDRIDGE PKWY	0.5	5	0	0	5	0	6	6	316
N ELDRIDGE PKWY	0.5	3	0	0	3	0	4	4	540
N ELDRIDGE PKWY	0.5	5	1	0	4	0	4	4	541
N ELDRIDGE PKWY	0.5	2	0	0	2	5	2	7	292
N ELDRIDGE PKWY	0.5	2	0	0	2	0	2	2	621
N ELDRIDGE PKWY	0.5	2	0	0	2	0	2	2	707
N ELDRIDGE PKWY	0.5	3	1	0	2	5	2	7	190
N ELDRIDGE PKWY	0.5	2	1	0	1	0	4	4	542
N GESSNER RD	0.5	3	0	0	3	0	4	4	543
N HOUSTON ROSSLYN RD	0.5	2	0	0	2	0	2	2	775
N HOUSTON ROSSLYN RD	0.3	4	2	0	2	0	6	6	338
N MAIN ST	0.5	2	0	1	1	5	2	7	235
N MAIN ST	0.5	2	0	0	2	0	2	2	665
N MAIN ST	0.5	2	0	0	2	0	2	2	666
N MASON RD	0.5	2	0	0	2	0	2	2	708
N MASON RD	0.5	2	0	1	1	0	4	4	477



Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI	K	SI Score	KSI	KSI Pank
					Crashes	Score	Score	SCOLE	KUIIK
N REPSDORPH RD	0.5	4	0	1	3	0	4	4	380
N SAM HOUSTON PKWY E	0.5	2	0	0	2	0	2	2	776
N SAM HOUSTON PKWY E	0.5	2	0	0	2	0	2	2	777
N SAM HOUSTON PKWY E	0.5	2	1	0	1	0	4	4	544
N SAM HOUSTON PKWY E	0.5	2	0	0	2	0	2	2	778
N SAM HOUSTON PKWY W	0.5	2	0	0	2	0	2	2	779
N SAM HOUSTON PKWY W	0.5	3	0	0	3	0	4	4	545
N SAM HOUSTON PKWY W	0.5	5	0	0	5	0	6	6	339
N SAM HOUSTON PKWY W	0.5	3	0	0	3	0	4	4	546
N SAM HOUSTON PKWY W	0.5	3	0	0	3	0	4	4	547
N SAM HOUSTON PKWY W	0.5	3	0	0	3	0	4	4	548
N SAM HOUSTON PKWY W	0.5	5	0	0	5	5	4	9	122
N SAM HOUSTON PKWY W	0.5	2	0	0	2	5	2	7	293
N SAM HOUSTON PKWY W	0.5	2	1	0	1	0	4	4	549
N SHAVER ST	0.3	3	0	0	3	5	2	7	236
N SILVER GREEN DR	0.3	1	0	0	1	0	2	2	586
N TEXAS AVE	0.5	2	0	0	2	0	2	2	602
N WESTGREEN BLVD	0.5	4	0	0	4	0	4	4	478
NANES DR	0.4	2	0	1	1	5	2	7	212
NAVIGATION BLVD	0.5	3	0	0	3	0	4	4	447
NAVIGATION BLVD	0.5	3	1	1	1	0	6	6	325
NAVIGATION BLVD	0.5	3	0	1	2	5	4	9	89
NEUENS RD	0.3	2	0	1	1	5	4	9	123
NORMANDY ST	0.5	7	2	0	5	0	6	6	308
NORTHGREEN DR	0.5	2	0	0	2	5	2	7	237
NORTHPOINTE BLVD	0.5	6	1	0	5	0	6	6	340
NORTHWEST FWY	0.5	2	1	0	1	0	4	4	479
NORTHWEST FWY	0.5	3	0	0	3	0	4	4	480
NORTHWEST PARK DR	0.5	2	1	0	1	5	2	7	294
NUECES LN	0.3	1	0	0	1	5	0	5	352
OAK RIDGE PARK DR	0.3	3	0	0	3	5	2	7	259
OAKLAND AVE	0.4	2	0	0	2	0	2	2	667
OAKWOOD GLEN BLVD	0.3	1	0	0	1	0	2	2	780
OIL CENTER BLVD	0.5	2	0	0	2	0	2	2	643
OLD BAMMEL N HOUSTON RD	0.5	2	2	0	0	0	6	6	341
OLD FOLTIN RD	0.5	2	1	0	1	0	4	4	550
OLD HUMBLE RD	0.5	2	1	0	1	0	4	4	426
OLD HUMBLE RD	0.3	2	0	0	2	0	2	2	781
PADDOCK BEND DR	0.3	2	0	0	2	0	2	2	709
PARK ROW DR	0.5	3	0	0	3	0	4	4	481



Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI	K	SI Score	KSI	KSI Pank
				s Crashes		score	score	SCOLE	KUIIK
PARK ROW DR	0.5	3	0	0	3	0	4	4	482
PARK ROW DR	0.5	2	0	0	2	0	2	2	710
PARK ROW DR	0.5	5	0	0	5	5	4	9	95
PASADENA BLVD	0.5	2	0	0	2	0	2	2	603
PASADENA BLVD	0.5	2	0	1	1	0	4	4	448
PASADENA BLVD	0.5	4	0	0	4	0	4	4	381
PASADENA BLVD	0.5	3	1	1	1	0	6	6	309
PEACH LEAF ST	0.5	3	0	0	3	0	4	4	449
PEAKWOOD DR	0.3	1	1	0	0	5	0	5	353
PEBBLE LAKE DR	0.3	1	0	0	1	0	2	2	711
PERRY RD	0.5	3	0	1	2	5	4	9	124
PILGRIMS POINT DR	0.5	2	0	1	1	0	4	4	427
PILGRIMS POINT DR	0.5	2	0	0	2	0	2	2	644
PINE FOREST DR	0.5	2	0	0	2	0	2	2	712
PINELAKES BLVD	0.5	2	0	0	2	0	2	2	782
PLANTATION COVE LN	0.5	3	1	0	2	0	4	4	407
PLUM RIDGE DR	0.5	2	0	0	2	0	2	2	783
PRIMEWEST PKWY	0.5	3	0	0	3	0	4	4	483
PROSPECT MEADOWS DR	0.3	1	1	0	0	0	4	4	484
PROVINCIAL BLVD	0.5	2	1	0	1	0	4	4	485
QUEENSTON BLVD	0.5	5	0	0	5	0	6	6	317
QUEENSTON BLVD	0.5	2	0	0	2	0	2	2	622
QUEENSTON BLVD	0.5	2	0	0	2	0	2	2	614
QUEENSTON BLVD	0.5	2	0	0	2	0	2	2	615
QUEENSTON BLVD	0.5	2	1	0	1	0	4	4	486
QUEENSTON BLVD	0.5	2	0	0	2	0	2	2	623
QUITMAN ST	0.5	4	0	1	3	0	4	4	450
QUITMAN ST	0.4	2	0	0	2	0	2	2	645
RAINTREE VILLAGE DR	0.5	2	0	0	2	0	2	2	713
RAINTREE VILLAGE DR	0.5	2	0	0	2	5	2	7	260
RAINY RIVER DR	0.4	2	1	0	1	5	2	7	213
RALSTON RD	0.5	3	0	0	3	0	4	4	551
RAMBLEWOOD DR	0.5	2	0	0	2	0	2	2	784
RANKIN RD	0.5	7	4	0	3	10	8	18	1
RANKIN RD	0.5	2	0	0	2	0	2	2	587
RED BLUFF RD	0.5	2	0	0	2	0	2	2	604
RED BLUFF RD	0.5	2	0	0	2	0	2	2	605
RED BLUFF RD	0.5	4	0	0	4	0	4	4	451
REYNALDO DR	0.3	1	0	0	1	0	2	2	785
RHODES RD	0.5	2	0	0	2	5	2	7	295



Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI		SI Score	KSI	KSI Pank
				s Crashes		Score	Score	SCOLE	KONK
RHODES RD	0.5	2	0	0	2	5	2	7	296
RICHEY ST	0.5	2	1	1	0	0	6	6	310
ROUND ROBIN DR	0.3	1	0	0	1	0	2	2	786
ROYAL MILE LN	0.5	2	1	0	1	0	4	4	552
S 8TH ST	0.5	2	0	0	2	0	2	2	668
S ALLEN GENOA RD	0.5	2	0	0	2	5	2	7	179
S ALLEN GENOA RD	0.5	2	1	0	1	0	4	4	382
S CHERRY ST	0.5	2	0	0	2	0	2	2	787
S ELDRIDGE PKWY	0.5	2	0	0	2	0	2	2	714
S ELDRIDGE PKWY	0.5	2	0	0	2	0	2	2	715
S ELDRIDGE PKWY	0.5	4	2	0	2	0	6	6	334
S FRY RD	0.5	3	0	0	3	0	4	4	487
S GESSNER RD	0.5	6	0	0	6	0	6	6	322
S GREENHOUSE RD	0.5	4	0	0	4	5	4	9	96
S HOUSTON AVE	0.5	4	0	0	4	0	4	4	553
S LAKE HOUSTON PKWY	0.4	2	0	0	2	0	2	2	588
S MAIN ST	0.5	2	0	0	2	5	2	7	238
S MASON RD	0.5	3	0	0	3	0	4	4	488
S MASON RD	0.5	2	0	0	2	5	2	7	261
S MASON RD	0.5	8	0	0	8	0	8	8	149
S MASON RD	0.5	4	1	0	3	0	4	4	489
S SAM HOUSTON PKWY W	0.5	2	0	0	2	5	2	7	214
S SAM HOUSTON PKWY W	0.5	2	0	0	2	5	2	7	215
S SAM HOUSTON PKWY W	0.5	2	0	0	2	0	2	2	646
SABLECHASE DR	0.5	2	0	0	2	0	2	2	647
SABLEGROVE LN	0.3	1	0	0	1	0	2	2	788
SAM HOUSTON PKWY	0.5	3	0	0	3	0	4	4	383
SAM HOUSTON PKWY	0.5	3	0	0	3	5	2	7	216
SAM HOUSTON PKWY	0.5	3	1	0	2	0	4	4	428
SAUMS RD	0.5	2	1	0	1	5	2	7	262
SAWYER ST	0.5	2	0	0	2	0	2	2	669
SCHILLER RD	0.3	2	0	0	2	8	0	8	150
SCIAACA RD	0.5	3	0	0	3	8	2	10	52
SCOTTER LN	0.3	1	1	0	0	0	4	4	429
SELLERS RD	0.5	2	0	2	0	0	6	6	326
SENS RD	0.5	4	0	2	2	5	4	9	68
SEVEN MILE LN	0.5	2	0	0	2	0	2	2	670
SHADY LN	0.5	2	0	0	2	5	2	7	239
SHADY LN	0.5	2	0	0	2	0	2	2	671
SHAVER ST	0.5	5	0	0	5	0	6	6	311



Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI		SI	KSI	KSI
				ريم Crashes		score	Score	score	Kank
SHELDON RD	0.5	2	0	1	1	0	4	4	384
SHELDON RD	0.5	3	1	0	2	5	2	7	240
SHELDON RD	0.5	2	0	0	2	5	2	7	241
SHELDON RD	0.5	2	0	0	2	5	2	7	217
SHELDON RD	0.5	2	1	0	1	8	0	8	137
SILVER BEND DR	0.3	1	0	0	1	5	0	5	348
SILVER SHADOWS LN	0.3	1	0	0	1	5	0	5	354
SJOLANDER RD	0.5	2	0	0	2	8	0	8	146
SMITHSTONE DR	0.5	3	1	0	2	0	4	4	554
SPACE CENTER BLVD	0.5	3	0	0	3	0	4	4	385
SPACE CENTER BLVD	0.5	2	0	0	2	5	2	7	180
SPACE CENTER BLVD	0.5	2	0	0	2	0	2	2	606
SPEARS RD	0.5	2	1	0	1	0	4	4	555
SPEARS RD	0.5	5	1	0	4	0	4	4	556
SPEARS RD	0.5	3	2	0	1	8	2	10	53
SPENCER HWY	0.5	6	0	0	6	8	4	12	17
SPENCER HWY	0.5	6	0	2	4	5	4	9	69
SPENCER HWY	0.5	11	0	0	11	0	10	10	38
SPENCER HWY	0.5	2	0	0	2	0	2	2	672
SPENCER HWY	0.5	3	0	0	3	5	2	7	181
SPENCER HWY	0.5	3	0	0	3	0	4	4	386
SPENCER HWY	0.5	3	1	0	2	0	4	4	387
SPENCER HWY	0.5	4	0	1	3	0	4	4	388
SPENCER HWY	0.5	6	1	0	5	0	6	6	312
SPENCER HWY	0.5	8	0	1	7	5	6	11	27
SPENCER HWY	0.5	4	0	1	3	0	4	4	389
SPENCER HWY	0.5	3	0	0	3	0	4	4	390
SPENCER HWY	0.5	4	0	0	4	0	4	4	391
SPENCER HWY	0.5	4	0	0	4	0	4	4	452
SPENCER HWY	0.5	7	0	0	7	0	8	8	138
SPRING CROSSING BLVD	0.5	2	0	0	2	0	2	2	789
SPRING CYPRESS RD	0.5	2	0	0	2	5	2	7	185
SPRING CYPRESS RD	0.4	2	0	0	2	5	2	7	263
SPRING CYPRESS RD	0.5	2	0	0	2	5	2	7	186
SPRING CYPRESS RD	0.5	2	0	0	2	8	0	8	159
SPRING CYPRESS RD	0.5	2	1	0	1	0	4	4	557
SPRING CYPRESS RD	0.5	3	1	0	2	5	4	9	125
SPRING CYPRESS RD	0.5	4	0	0	4	8	2	10	54
SPRING CYPRESS RD	0.5	2	0	0	2	0	2	2	790
SPRING CYPRESS RD	0.5	2	0	0	2	5	2	7	297



Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI		SI Score	KSI	KSI Papk
				s Crashes		SCOLE	SCOLE	SCOLE	KUIIK
SPRING CYPRESS RD	0.5	2	0	0	2	5	2	7	298
SPRING CYPRESS RD	0.5	2	0	0	2	0	2	2	791
SPRING CYPRESS RD	0.5	2	1	0	1	0	4	4	558
SPRING CYPRESS RD	0.5	2	0	0	2	0	2	2	792
SPRING CYPRESS RD	0.5	5	0	1	4	0	4	4	559
SPRING STUEBNER RD	0.5	2	0	0	2	0	2	2	793
SPRING STUEBNER RD	0.5	4	1	0	3	5	4	9	126
SPRING STUEBNER RD	0.5	3	0	0	3	0	4	4	560
SPRING STUEBNER RD	0.5	2	1	0	1	5	4	9	127
STEEPLEWAY BLVD	0.5	2	0	1	1	0	4	4	561
STUEBNER AIRLINE RD	0.3	6	5	0	1	8	8	16	6
STUEBNER AIRLINE RD	0.5	2	2	0	0	0	6	6	342
STUEBNER AIRLINE RD	0.5	2	1	0	1	5	2	7	299
STUEBNER AIRLINE RD	0.5	2	2	0	0	5	4	9	128
STUEBNER AIRLINE RD	0.5	2	0	0	2	0	2	2	794
STUEBNER AIRLINE RD	0.5	3	0	0	3	0	4	4	562
STUEBNER AIRLINE RD	0.5	3	0	0	3	0	4	4	563
STUEBNER AIRLINE RD	0.3	1	0	0	1	0	2	2	795
SUGARLAND HOWELL RD	0.5	2	0	0	2	0	2	2	716
SUGARLAND HOWELL RD	0.5	2	0	0	2	0	2	2	717
SUTTONFORD DR	0.3	2	0	0	2	0	2	2	796
SWEETWATER LN	0.5	2	1	0	1	5	4	9	78
SWEETWATER LN	0.5	2	0	1	1	0	4	4	430
T C JESTER BLVD	0.3	2	1	0	1	0	4	4	564
T C JESTER BLVD	0.5	3	0	1	2	5	4	9	129
T C JESTER BLVD	0.5	2	0	0	2	5	2	7	218
T C JESTER BLVD	0.5	2	0	0	2	0	2	2	797
T C JESTER BLVD	0.3	2	0	0	2	0	2	2	798
TALCOTT LN	0.4	2	1	0	1	5	2	7	219
TANNER RD	0.5	2	0	0	2	0	2	2	799
TELGE RD	0.5	3	0	0	3	5	2	7	187
TELGE RD	0.5	3	1	0	2	0	4	4	490
TELGE RD	0.5	3	0	0	3	0	4	4	403
TELGE RD	0.5	2	0	0	2	0	2	2	616
TELGE RD	0.3	1	0	0	1	0	2	2	617
TELGE RD	0.5	4	0	0	4	5	4	9	130
TELGE RD	0.5	2	0	0	2	0	2	2	800
TELGE RD	0.4	2	0	0	2	0	2	2	624
THEISS MAIL ROUTE RD	0.5	2	0	1	1	0	4	4	565
THISTLE DOWN	0.3	1	0	0	1	0	2	2	801



KSIKSIKSIKSIScore <th>4 2 2 2 2 2 4</th> <th>453 607 648 649 608</th>	4 2 2 2 2 2 4	453 607 648 649 608
THOMPSON RD0.5300304TIDAL RD0.5200202TIDWELL RD0.5200202	2 2 2 2 2	607 648 649
TIDWELL RD 0.5 2 0 0 2 0 2	2 2 2	648 649
	2	649
TIDWELL RD 0.5 2 0 0 2 0 2	2	
		608
TODVILLE RD 0.5 2 0 0 2 0 2	4	000
TOMBALL PKWY 0.5 4 1 0 3 0 4		566
TOMBALL PKWY 0.5 2 0 0 2 0 2	2	802
TOWER OAKS BLVD 0.5 2 0 0 2 0 2	2	718
TOWN CENTER BLVD 0.3 2 0 0 2 0 2	2	803
TREASCHWIG RD 0.5 5 0 0 5 5 4	9	131
TREASCHWIG RD 0.5 2 1 0 4	4	567
TREASCHWIG RD 0.5 2 0 0 2 8 0	8	160
TREASCHWIG RD 0.5 2 0 0 2 8 0	8	161
TREGARNON DR 0.3 1 0 0 1 0 2	2	673
TUCKERTON RD 0.5 2 0 0 2 0 2	2	719
ULRICH LN 0.3 1 0 1 0 5 0	5	349
UNDERWOOD RD 0.5 4 0 0 4 0 4	4	392
UPLAND WILLOW AVE 0.3 2 1 0 1 0 4	4	568
UVALDE RD 0.5 4 1 0 3 5 4	9	70
UVALDE RD 0.5 7 0 0 7 5 6	11	31
UVALDE RD 0.5 2 1 0 1 5 2	7	172
VARNELL ST 0.3 1 0 0 1 5 0	5	350
VETERANS MEMORIAL DR 0.5 5 0 0 5 4	9	132
VETERANS MEMORIAL DR 0.5 5 3 0 2 8 6	14	10
VETERANS MEMORIAL DR 0.5 3 1 0 2 8 2	10	42
VETERANS MEMORIAL DR 0.5 11 4 1 6 8 10	18	2
VETERANS MEMORIAL DR 0.5 7 1 1 5 10 4	14	11
VETERANS MEMORIAL DR 0.5 7 0 0 7 0 8	8	162
VETERANS MEMORIAL DR 0.5 3 2 0 1 8 4	12	24
VETERANS MEMORIAL DR 0.5 7 1 0 6 0 6	6	343
VETERANS MEMORIAL DR 0.5 4 2 0 2 5 4	9	133
VETERANS MEMORIAL DR 0.5 3 0 0 3 5 2	7	300
VETERANS MEMORIAL DR 0.5 2 0 0 2 0 2	2	804
VETERANS MEMORIAL DR 0.5 6 3 0 3 0 8	8	163
VETERANS MEMORIAL DR 0.5 4 1 0 3 8 2	10	55
VETERANS MEMORIAL DR 0.5 7 1 1 5 0 6	6	323
VICTORIA ST 0.5 2 1 0 1 0 4	4	454
W BARBOURS CUT BLVD 0.5 2 0 0 2 0 2	2	674
W BAY AREA BLVD 0.5 3 0 0 3 0 4	4	393
W BAY AREA BLVD 0.5 3 0 0 3 0 4	4	431



Regional Road	Length	Total	Ped.		Vehicular		SI	KSI	KSI
		KSI Crashes	KSI Crashes	KSI s Crashes	KSI Crashes	Score	Score	Score	Kank
W BAY AREA BLVD	0.5	5	0	0	5	0	6	6	313
W CANINO RD	0.3	1	0	0	1	0	2	2	650
W CEDAR BAYOU LYNCHBURG RD	0.5	2	0	0	2	0	2	2	609
W EL DORADO BLVD	0.5	2	0	1	1	0	4	4	432
W FAIRMONT PKWY	0.5	2	0	0	2	0	2	2	675
W FAIRMONT PKWY	0.5	2	0	0	2	0	2	2	676
W FERNHURST DR	0.5	2	0	0	2	0	2	2	720
W GULF BANK RD	0.5	2	2	0	0	0	6	6	303
W GULF BANK RD	0.5	3	1	0	2	5	4	9	79
W LAKE HOUSTON PKWY	0.5	2	0	0	2	0	2	2	589
W LAKE HOUSTON PKWY	0.5	3	0	0	3	5	2	7	173
W LAKE HOUSTON PKWY	0.5	3	0	0	3	8	2	10	46
W LAKE HOUSTON PKWY	0.5	2	0	0	2	0	2	2	677
W LAKE HOUSTON PKWY	0.5	2	0	0	2	0	2	2	678
W LITTLE YORK RD	0.5	2	0	0	2	0	2	2	805
W LITTLE YORK RD	0.5	3	0	1	2	0	4	4	408
W LITTLE YORK RD	0.5	2	1	0	1	5	2	7	191
W LITTLE YORK RD	0.5	4	0	0	4	0	4	4	409
W LITTLE YORK RD	0.5	2	0	0	2	0	2	2	625
W LITTLE YORK RD	0.5	6	1	1	4	0	6	6	318
W LITTLE YORK RD	0.5	2	1	0	1	8	0	8	140
W LITTLE YORK RD	0.5	2	1	0	1	0	4	4	569
W LITTLE YORK RD	0.5	2	1	0	1	0	4	4	570
W LITTLE YORK RD	0.5	2	0	0	2	8	0	8	164
W LITTLE YORK RD	0.5	4	1	0	3	5	4	9	134
W LITTLE YORK RD	0.5	3	0	0	3	0	4	4	571
W LITTLE YORK RD	0.5	4	0	0	4	8	2	10	56
W LITTLE YORK RD	0.5	2	0	0	2	5	2	7	301
W LITTLE YORK RD	0.5	2	0	0	2	0	2	2	806
W MAGLITTO CIR	0.3	1	0	0	1	0	2	2	807
W MAIN ST	0.5	2	1	0	1	0	4	4	394
W MONTGOMERY RD	0.5	2	1	0	1	0	4	4	572
W MONTGOMERY RD	0.5	5	1	0	4	8	4	12	16
W MONTGOMERY RD	0.5	3	2	0	1	5	4	9	62
W MOUNT HOUSTON RD	0.5	3	1	0	2	5	4	9	63
W MOUNT HOUSTON RD	0.5	4	0	1	3	8	4	12	20
W RICHEY RD	0.5	3	0	1	2	0	4	4	573
W RICHEY RD	0.5	5	2	0	3	0	6	6	304
W SAM HOUSTON PKWY N	0.5	2	0	0	2	5	2	7	302
W TIDWELL RD	0.5	4	0	0	4	0	4	4	574



Regional Road	Length	Total KSI	Ped. KSI	Bicycle KSI	Vehicular KSI	K	SI Score	KSI	KSI Pank
					Crashes	score	score	SCOLE	KUIIK
WADE RD	0.5	3	0	0	3	0	4	4	455
WALLISVILLE RD	0.5	3	0	0	3	5	2	7	242
WALLISVILLE RD	0.5	2	1	0	1	5	2	7	182
WALLISVILLE RD	0.5	2	0	0	2	0	2	2	679
WALLISVILLE RD	0.5	5	0	0	5	8	4	12	18
WALTERS RD	0.5	2	1	0	1	0	4	4	575
WALTERS RD	0.5	4	1	0	3	5	4	9	80
WALTERS RD	0.5	2	0	0	2	0	2	2	651
WALTERS RD	0.5	2	0	0	2	0	2	2	808
WEST RD	0.5	2	0	1	1	0	4	4	404
WEST RD	0.5	2	0	0	2	0	2	2	721
WEST RD	0.5	3	0	0	3	0	4	4	491
WEST RD	0.5	3	1	0	2	5	2	7	192
WEST RD	0.5	2	1	0	1	0	4	4	576
WEST RD	0.5	2	0	0	2	0	2	2	809
WEST RD	0.5	2	0	1	1	0	4	4	577
WEST RD	0.5	2	0	0	2	0	2	2	810
WEST RD	0.5	3	1	0	2	8	2	10	57
WEST RD	0.4	4	1	0	3	8	2	10	43
WEST RD	0.5	8	2	0	6	5	6	11	32
WESTFIELD VILLAGE DR	0.5	4	0	1	3	5	4	9	97
WESTGARD BLVD	0.3	1	1	0	0	5	0	5	346
WESTHEIMER PKWY	0.5	3	0	0	3	0	4	4	492
WESTHEIMER PKWY	0.5	2	0	0	2	8	0	8	151
WESTPARK DR	0.5	4	0	1	3	8	2	10	49
WESTPARK DR	0.5	2	1	0	1	0	4	4	493
WESTWAY	0.3	2	0	0	2	0	2	2	680
WHEELER ST	0.5	2	0	0	2	0	2	2	652
WHITWELL DR	0.3	1	0	0	1	0	2	2	722
WILDCROFT DR	0.5	2	2	0	0	8	0	8	152
WILL CLAYTON PKWY	0.5	2	0	0	2	0	2	2	811
WILL CLAYTON PKWY	0.5	7	1	0	6	0	6	6	344
WILL CLAYTON PKWY	0.5	2	0	0	2	0	2	2	812
WILL CLAYTON PKWY	0.5	2	0	0	2	0	2	2	813
WILL CLAYTON PKWY	0.5	2	0	0	2	0	2	2	681
WILL CLAYTON PKWY	0.5	2	0	1	1	5	4	9	90
WILL CLAYTON PKWY	0.5	2	0	0	2	0	2	2	653
WILLOW RIVER DR	0.4	2	1	0	1	0	4	4	494
WILSON RD	0.5	2	0	0	2	0	2	2	814
WILSON RD	0.5	2	0	0	2	0	2	2	815



Regional Road	Length	Total KSI	Ped. KSI	KSI	Vehicular KSI	K Score	SI Score	KSI Score	KSI Rank
	0.5				Crashes	_	<u> </u>		26
WILSON RD	0.5	6	0	0	6	5	6	11	36
WIMBERLEY HOLLOW LN	0.3	1	1	0	0	0	4	4	433
WINDFERN RD	0.5	3	1	0	2	5	4	9	135
WINDFERN RD	0.5	2	0	1	1	0	4	4	578
WINFIELD RD	0.5	2	1	0	1	0	4	4	456
WINFIELD RD	0.5	2	1	0	1	0	4	4	358
WOOD RIVER DR	0.3	3	1	0	2	0	4	4	579
WOODFOREST BLVD	0.5	2	1	0	1	5	2	7	183
WOODFOREST BLVD	0.5	3	0	0	3	0	4	4	395
WOODLAND HILLS DR	0.5	2	0	0	2	0	2	2	816
WORTHAM BLVD	0.3	1	0	0	1	0	2	2	723
WUNDERLICH DR	0.5	2	0	0	2	0	2	2	817
YORKTOWN CROSSING PKWY	0.5	5	0	0	5	8	4	12	25





Table 5. KSI Scores for High Risk Corridors

No.	Roadway	Corridor Limits	nits Length No. Fatal & Serious Injury (KSI) Crashes (2014-2018) (mi) on Highest Ranked HIN Segment on High Risk Corridors					KSI Score for Highest Ranked HIN Segment on Corridor
				Pedestrian	Bicyclist	Vehicle	Total	(Range 0-20)
1	Rankin Road	East of IH 45 NBFR to Imperial Valley Drive	1.0	4	0	3	7	18
2	Veterans Memorial Dr	FM 1960 to N Sam Houston Parkway W	4.2	4	1	6	11	18
3	Aldine Mail Road	Aldine Westfield Road to Easthampton Drive	2.6	4	0	4	8	16
4	Antoine Drive	Veterans Memorial Drive to N Sam Houston Parkway W	1.7	2	1	6	9	16
5	Stuebner Airline Road	North of Spring Cypress Road to FM 1960	5.2	5	0	1	6	16
6	Veterans Memorial Dr	N Sam Houston Parkway W to SH 249	3.4	3	0	2	5	14
7	W Montgomery Road	SH 249 to Wavell Street	2.0	1	0	4	5	12
8	Spencer Highway	Galveston Road to Somerton Drive	8.0	0	0	6	6	12
9	Dominion Park Drive	Kuykendahl Road to IH 45 Southbound Frontage Road	0.5	2	0	1	3	12
10	W Mount Houston Rd	IH 45 Northbound Frontage Road to Airline Drive	0.9	0	1	3	4	12
11	Barbers Hill Road	Garth Road to Crosby Barbers Hill Road	0.5	0	0	5	5	12
12	Hollow Tree Lane	Cali Drive to IH 45 Northbound Frontage Road	1.0	0	0	4	4	12
13	Ella Boulevard	At Barren Springs Drive	n/a	1	1	6	8	11





No.	Roadway	Corridor Limits	Length (mi)	No. Fatal & Serious Injury (KSI) Crashes (2014-2018) on Highest Ranked HIN Segment on High Risk Corridors				KSI Score for Highest Ranked HIN Segment on Corridor	
				Pedestrian	Bicyclist	Vehicle	Total	(Range 0-20)	
14	Jones Road	Grant Road to Ranchstone Drive	4.0	1	0	5	6	11	
15	West Road	Veterans Memorial Drive to IH 45	1.75	2	0	6	8	11	
16	Atascocita Road	Kings Parkway to FM 1960	0.9	0	0	6	6	11	
17	Grant Road	Perry Road to SH 249	0.5	1	1	2	4	11	
18	Louetta Road	SH 249 to Cannaberry Way	8.4	0	0	6	6	11	
19	Airline Drive	N of West Road to Canino Road	3.5	1	0	2	3	10	
20	Homestead Road	N of Tidwell Road to S of Miley Street	2.5	1	0	2	3	10	
21	Homestead Road	S of Old Humble Road to Winfield Road	0.6	1	0	3	4	10	
22	Huffman Cleveland Rd	Hickory Ridge Drive to Commons Vista Drive	1.7	0	0	3	3	10	
23	W Lake Houston Pkwy	Pine Cup Drive to Atascocita Middle School	1.0	0	0	3	3	10	
24	Bissonnet Street	Sugar Land Howell Road to Synott Road	1.3	1	0	2	3	10	
25	Fry Road	N of Keith Harrow Boulevard to Franz Road	3.5	0	0	4	4	10	
26	Fallbrook Drive	W of NW Park Drive to Veterans Memorial Drive	2.3	1	0	2	3	10	
27	Spears Road	Veterans Memorial Drive to W of TC Jester	1.0	2	0	1	3	10	
28	Spring Cypress Road	Memorial Spring Drive to W of Valka Road	2.2	0	0	4	4	10	





No.	Roadway	Corridor Limits	Length (mi)		No. Fatal & Serious Injury (KSI) Crashes (2014-2018) on Highest Ranked HIN Segment on High Risk Corridors			KSI Score for Highest Ranked HIN Segment on Corridor
				Pedestrian	Bicyclist	Vehicle	Total	(Range 0-20)
29	W Little York Road	E of Hempstead Road to W of Fairbanks N Houston Rd	1.2	0	0	4	4	10
30	Alice Road	Green Meadow Road to SH 249	0.5	0	0	5	5	9
31	Barker Cypress Road	N of West Little York Road at Gummert Rd	0.7	0	1	4	5	9
32	Greenhouse Road	Clay Road to Golden Wave Drive	1.3	0	1	3	4	9
33	Greenhouse Road	IH-10 to Misty Cove Drive	2.5	0	0	3	3	7

Note: Corridors are listed in order based on the KSI score for the highest ranked ½-mile High Injury Network segment on the corridor, and not for the corridor as a whole.





6. Supplemental Details on Crash Categorization

FHWA's Proven Safety Countermeasures website provides a filter tool to identify countermeasures based on focus area, problem identified, and crash type. Tables 6 through 8 show the TxDOT Crash Records Information System (CRIS) data codes used to categorize various crash characteristics for fatality and serious injury crashes.

Focus Area	Definition	CRIS Data Codes
Roadway Departure	A single vehicle crash where the impact of the first harmful event occurred on the shoulder, beyond the shoulder or in the median of the roadway.	ROAD_RELAT_ID Values = 2 – Off Roadway, or 3 – Shoulder, or 4 – Median, AND COLLSN_ID = 1 – One Motor Vehicle (OMV) Vehicle Going Straight, or 2 – OMV Vehicle Turning Right, or 3 – OMV Vehicle Turning Left, or 4 – OMV Vehicle Backing, or 5 – OMV Other, AND
Intersection	A crash that occurs within the boundaries of an intersection or in which the first harmful event occurred on an approach to or exit from an intersection and resulted from an activity, behavior- or control-related to the movement of traffic units through the intersection.	INTRST_RELAT_ID Values = 1 – Intersection, or 2 – Intersection Related
Pedestrian	A crash involving at least one pedestrian and one motor vehicle. Casualties related to pedestrian crashes are reported for pedestrians only.	HARM_EVNT_ID = 1 – Pedestrian, or PERSN_TYPE_ID = 4 - Pedestrian
Bicyclist	A crash involving at least one bicycle and one motor vehicle. Casualties related to bicyclist crashes are reported for bicyclist only.	HARM_EVNT_ID = 5 – Pedalcyclist, or PERSN_TYPE_ID = 3 - Pedalcyclist
Speed Management	A crash in which at least one driver was speeding above the limit or driving at an unsafe speed below the limit.	CONTRIB_FACTR_ID Values = 60 – Speeding – Unsafe (Under Limit), or 61 – Speeding – (Over Limit)





Problem Areas/	Definition	CRIS Data Codes
Contributing Factors Inadequate Visibility, Conspicuity, or Sight Distance	A crash in which at least one driver's vision was obstructed or impaired.	OTHR_FACTR_ID Values = 16 - Vision obstructed by standing or parked vehicle 17 - Vision obstructed by moving vehicle 18 - Vision obstructed by embankment or ledge 19 - Vision obstructed by commercial sign 20 - Vision obstructed by highway sign 21 - Vision obstructed by headlight or sun glare 22 - Vision obstructed by hillcrest 23 - Vision obstructed by trees, shrubs, weeds, etc. 24 - Vision obstructed by other visual obstructions CONTRIB_FACTR_ID Values = 48 - Impaired Visibility
Excessive Speeds	A crash in which at least one driver was speeding above the limit or driving at an unsafe speed below the limit.	CONTRIB_FACTR_ID Values = 60 – Speeding – Unsafe (Under Limit), or 61 – Speeding – (Over Limit)
Failure to Control Speed	A crash in which at least one driver failed to control their speed as necessary to avoid colliding with another person or vehicle that is on or entering the roadway in compliance with law and the duty of each person to use due care.	CONTRIB_FACTR_ID Values = 22 – Failed to control speed
Non-Compliance (yielding right-of-way)	A crash in which at least one driver failed to yield right of way.	CONTRIB_FACTR_ID Values = 24 - Failed to give half of roadway 25 - Failed to heed warning sign 26 - Failed to pass to left safely 27 - Failed to pass to right safely 28 - Failed to signal or gave wrong signal 29 - Failed to stop at proper place 30 - Failed to stop for school bus 31 - Failed to stop for train 32 - Failed to yield ROW - emergency vehicle 33 - Failed to yield ROW - open intersection 34 - Failed to yield ROW - private drive 35 - Failed to yield ROW - stop sign 36 - Failed to yield ROW - to pedestrian 37 - Failed to yield ROW - turning left 38 - Failed to yield ROW - turn on red 39 - Failed to yield ROW - yield sign

Table 7. Criteria Used to Determine Problem Areas/Contributing Factors





Problem Areas/ Contributing Factors	Definition	CRIS Data Codes
Pedestrian Failed to Yield ROW	A crash involving at least one pedestrian who failed to yield right of way to a vehicle.	CONTRIB_FACTR_ID Values = 59 – Pedestrian failed to yield ROW to vehicle
No Separation of Users, or Vulnerable Users are Not Considered	A roadway segment where there are no bicycle lanes located within or directly adjacent to the roadway, or where there are no sidewalks that are physically separated from the roadway by a curb or unpaved buffer space. Also, a signalized intersection where there are no ADA ramps, crosswalks, or pedestrian signals.	Visual inspection of roadway segment to identify locations where there are no bicycle lanes located within or directly adjacent to the roadway, or where there are no sidewalks that are physically separated from the roadway by a curb or unpaved buffer space. Also, visual inspection of signalized intersection to identify locations where there are no pedestrian accommodations. This was used to categorize pedestrian & bicycle crashes in which there were no identifiable contributing factors.
Driver Inattention (distracted/drowsy)	A crash in which at least one driver was distracted, drowsy, inattentive, or using a cell phone.	CONTRIB_FACTR_ID = 19 – Distraction in Vehicle, or 20 – Driver Inattention, or 40 – Fatigued or Asleep, or 47 – III, or 72 – Cell/Mobile Phone Use, or 75 – Cell/Mobile Device Use, or 76 – Cell/Mobile Device Use-Texting, or 77 – Cell/Mobile Device Use-Other, or 78 – Cell/Mobile Device Use-Unknown
Driver Impairment (alcohol/drugs)	A crash involving at least one driver under the influence of alcohol or other drug.	CONTRIB_FACTR_ID = 45 – Had Been Drinking, or 62 – Taking Medication, or 67 – Under Influence – Alcohol, or 68 – Under Influence – Drug, or Driver Alcohol Result ID = 1, or Driver Drug Result ID = 1





Crash Type	Definition	CRIS Data Codes
Angle Crash	A crash that occurs when vehicles driving on perpendicular roads collide.	COLLSN_ID = 10 - Angle - Both Going Straight 11 - Angle - One Straight - One Backing 12 - Angle - One Straight - One Stopped 13 - Angle - One Straight - One Right Turn 14 - Angle - One Straight - One Left Turn 15 - Angle - Both Right Turn 16 - Angle - One Right Turn - One Left Turn 17 - Angle - One Right Turn - One Stopped 18 - Angle - Both Left Turn 19 - Angle - One Left Turn - One Stopped
Left-Turn Crash	A crash that occurs when a left turning vehicle collides with an oncoming vehicle from the opposite direction.	COLLSN_ID = 34 – Opposite Direction – One Straight – One Left Turn 38 – Opposite Direction – Both Left Turns
Right-Turn Crash	A crash that occurs when a right turning vehicle collides with an oncoming vehicle from the opposite direction.	COLLSN_ID = 33 – Opposite Direction – One Straight – One Right Turn
Rear End Crash	A crash that occurs when a vehicle is rear ended by another vehicle while traveling in the same direction.	COLLSN_ID = 20 - Same Direction - Both Going Straight - Rear End 22 - Same Direction - One Straight - One Stopped 23 - Same Direction - One Straight - One Right Turn 24 - Same Direction - One Straight - One Left Turn
Pedestrian Crash	A crash involving at least one pedestrian and one motor vehicle. Casualties related to pedestrian crashes are reported for pedestrians only.	HARM_EVNT_ID = 1 – Pedestrian, or PERSN_TYPE_ID = 4 - Pedestrian
Bicyclist Crash	A crash involving at least one bicycle and one motor vehicle. Casualties related to bicyclist crashes are reported for bicyclist only.	HARM_EVNT_ID = 5 – Pedalcyclist, or PERSN_TYPE_ID = 3 - Pedalcyclist
Head On Crash	A crash involving two vehicles going straight, that were traveling in opposite directions prior to impact.	COLLSN_ID = 30 – Opposite Direction – Both Going Straight

Table 8. Criteria Used to Determine Crash Types





Crash Type	Definition	CRIS Data Codes
Run off the Road / Single Vehicle Crash	A single vehicle crash where the impact of the first harmful event occurred on the shoulder, beyond the shoulder or in the median of the roadway and which resulted in hitting a fixed object.	ROAD_RELAT_ID Values = 2 - Off Roadway, or 3 - Shoulder, or 4 - Median, AND COLLSN_ID = 1 - One Motor Vehicle (OMV) Vehicle Going Straight, or 2 - OMV Vehicle Turning Right, or 3 - OMV Vehicle Turning Left, or 4 - OMV Vehicle Backing, or 5 - OMV Other, AND
Sideswipe, Same Direction Crash	A crash that occurs when a vehicle is side swiped by another vehicle while traveling in the same direction.	COLLSN_ID = 21 – Same Direction – Both Going Straight – Sideswipe
Wet	A crash in which the roadway surface condition was reported as wet, standing water, slush, ice, or snow.	SURF_COND_ID = 2 - Wet 3 - Standing Water 5 - Slush 6 - Ice 9 - Snow
Nighttime	A crash in which the lighting condition was reported as dawn, dark not lighted, dusk, or dark unknown lighting.	LIGHT_COND_ID = 3 – Dark, Not Lighted 4 – Dark, Lighted 5 – Dusk 6 – Dark, Unknown Lighting
Speed-related	A crash in which at least one driver was speeding above the limit, driving at an unsafe speed, or failed to control their speed.	CONTRIB_FACTR_ID = 60 – Speeding - Unsafe (Under Limit), or 61 – Speeding - (Over Limit)
Rollover	A crash in which the first harmful event resulted from the vehicle overturning.	HARM_EVNT_ID = 10 – Overturned
Fixed-Object	A crash in which the first harmful event involved a vehicle hitting a fixed or other object.	HARM_EVNT_ID = 7 – Fixed Object, or 8 – Other Object





7. Supplemental Details on Cost Estimates

A simplified cost estimating method was used to estimate the investment needed to implement potential safety improvements on each High Risk Corridor. The estimates are based on average unit costs shown in Table 9 below.

Table 9. Estimate Assumptions

Segment Improvements	Cost Low: <\$500K Medium: \$500K-\$2M High: >\$2M
Boulevard section with raised median and curb & gutter drainage	High
Raised median w/turn bays (w/undivided road)	Medium
Continuous two-way left turn lane (w/undivided road)	Medium
Raised median w/turn bays (w/exist CTWLTL)	Medium
Continuous street lighting	Low
Bike lane - add shoulders	Low
Restripe 4-lane undivided w/shoulders to 5-lane w/continuous two-way left turn lane (CTWLTL)	Low
Road diet (roadway reconfiguration)	Low
Wider center lines	Low
Wider edge lines	Low
Bike lane - Restriping existing shoulder	Low
Edge line rumble strips	Low
Enhanced signage (curve delineation, stop controlled intersections)	Low
Sidewalk improvements	Low
Intersection Improvements	
Install traffic signal	Low
Modify traffic signals (protected left turn, pedestrian signal upgrades, additional signal heads)	Low
Mid-block crossing	Low
Pedestrian refuge	Low
Crosswalk visibility enhancements	Low
ADA ramps/short sidewalk improvements	Low
Improve signal timing & synchronization (yellow change interval, leading ped interval)	Low

