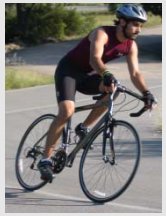
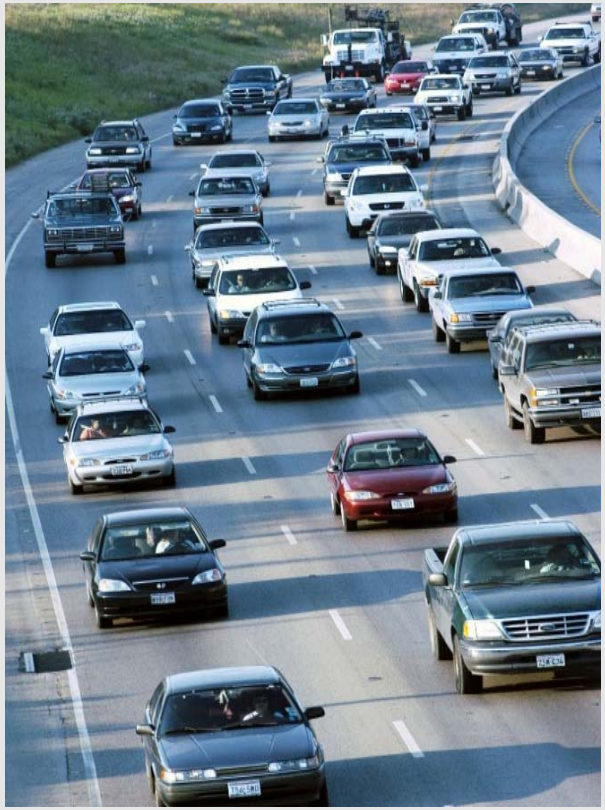
TEXAS DEPARTMENT OF TRANSPORTATION



SYSTEMIC WIDENING PROGRAM (SSWP) CALL FOR PROJECTS



Darren McDaniel, P.E.

December 2016

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SSWP Requirements

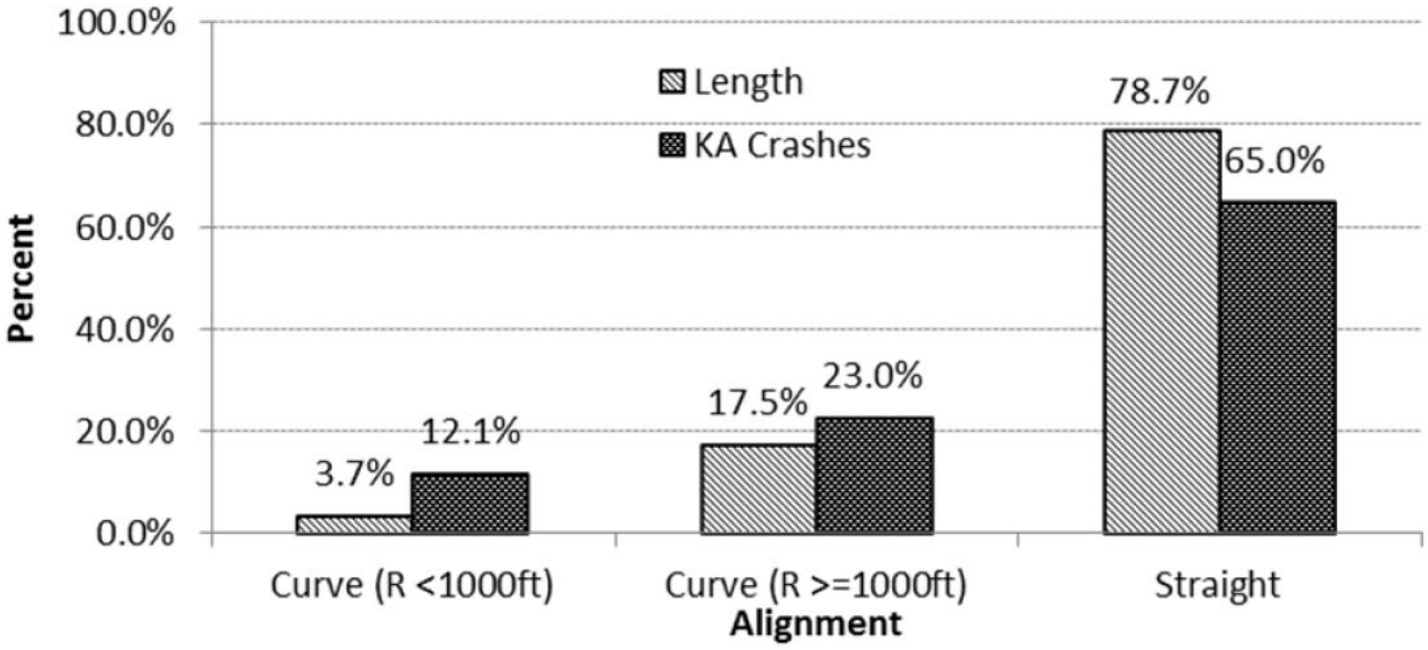
- Rural 2-Lane 2-Way Highway
- Less than 24 ft. paved surface width
- Average Daily Traffic ≥ 400 vehicles per day

SSWP Requirements

- Widening to 26 ft. or 28 ft.
- Edgeline Rumble Strips
- Centerline Rumble Strips

Total Risk Factor Weights (TRFW)

- K and A Crashes
- Run-off the Road
- Head-on
- Crash Total
- Crash Over-Representation
- Crash Under-Representation



(b) Moderate volume (700<ADT≤1,500)

Total Risk Factor Weights (TRFW)

Systemic Widening Risk Factors

- Average Daily Traffic
  - Low (400-699)
  - Moderate (700-1,499)
  - High (1,500 +)
- Lane and Shoulder Width
- Truck Percentage
- Alignment

Proposed SSWP Projects

- Any Highway with TRFW ≥ 60
- Top 2 SSWP Projects in each District
- Eligible Highways that will be 100% wider than or equal to 24 ft. after project

District	HWY	Limits From	From DFO	Limits To	To DFO	Length of Project	Total Risk Factor Weight (TRFW)	Current Width	Added Width	Proposed Width	Estimated Cost
Abilene	FM0603	0.242 Mi S of CR 211	6.300	SH 36	11.231	4.931	51.47	22	4	26	$ 1,972,400
Abilene	FM2702	US 277	0.000	SH 6	3.191	3.191	50.84	20	6	26	$ 1,914,600
Amarillo	FM1920	RM3260	5.840	US 60	21.603	15.763	54.68	20	6	26	$ 9,457,800
Amarillo	FM2124	FM 277	0.000	Oklahoma State Line	6.403	6.403	50.73	20	6	26	$ 3,841,800
Atlanta	FM0729	0.008 MI N of SH 155	4.851	0.089 MI W of Maguire Rd	7.928	3.077	61.28	20	6	26	$ 1,846,200
Atlanta	FM3359	FM 2517	0.000	0.2 MI E of CR 4681	2.644	2.644	60.47	22	4	26	$ 1,057,600
Austin	RM3014	0.267 MI E of RM 2241	0.267	Lake Shore Loop	2.380	2.113	64.47	20	6	26	$ 1,267,800
Austin	SH0261	RM 2241	0.000	1.113 MI W of RM 2241	1.113	1.113	63.07	20	6	26	$ 667,800
Beaumont	FM0105	0.007 MI W of Pondorosa St.	21.558	0.026 mi W of FM 1135	24.876	3.318	62.55	22	4	26	$ 1,327,200
Beaumont	FM1130	0.273 mi S of Zavala	4.548	0.184 Mi W of FM 1078	9.004	4.456	65.09	22	4	26	$ 1,782,400
Brownwood	FM0101	0.030 MI E of CR 339	4.218	0.023 MI E of Philadelphia St.	7.176	2.997	58.14	22	4	26	$ 1,198,800
Brownwood	FM3099	3.630 MI N of US 180	0.000	US 180	3.630	3.630	58.92	20	6	26	$ 2,178,000
Bryan	FM1155	0.044 MI S of SH 105	0.044	0.181 MI N of PR 12	1.408	1.364	60.97	22	4	26	$ 545,600
Bryan	FM1712	US 77	0.000	0.069 MI N of FM 487	4.993	4.993	61.85	22	4	26	$ 1,997,200
Bryan	FM2774	FM 976	0.000	CR 469	1.464	1.464	60.35	22	4	26	$ 585,600
		SH 203	0.000	FM 3197	2.007						
Childress	FM1035	20th St.	3.450	County Road Y	5.087	3.642	54.43	20	6	26	$ 2,185,200
Childress	FM1906	US 83	0.000	FM 592	7.894	7.894	50.86	20	6	26	$ 4,736,400
Corpus Christi	FM0666	0.085 mi S of FM 624	14.215	0.015 Mi S of SH 44	20.481	6.103	55.44	20	6	26	$ 3,661,800
Corpus Christi	FM1353	US 181	0.585	FM 2102	6.001	5.416	56.13	20	6	26	$ 3,249,600
Dallas	FM0148	0.010 MI W of CR 305	2.320	0.122 MI E. of FM 987	5.563	3.243	63.62	22	4	26	$ 1,297,200

District Concurrence

- Yes ✓
- No X
  - HSIP Project
  - District Funded Project
  - Environmental Concerns
- Limit Adjustments
- Request next highest project in District added to list

District Concurrence
No- HSIP funded project
Yes
Yes
Yes
Yes
No- District funded project

SSWP Funding

- $15.5 Million per Year

- Fiscal Year 2018
- Fiscal Year 2019
- Fiscal Year 2020
- Fiscal Year 2021

Detailed Estimate

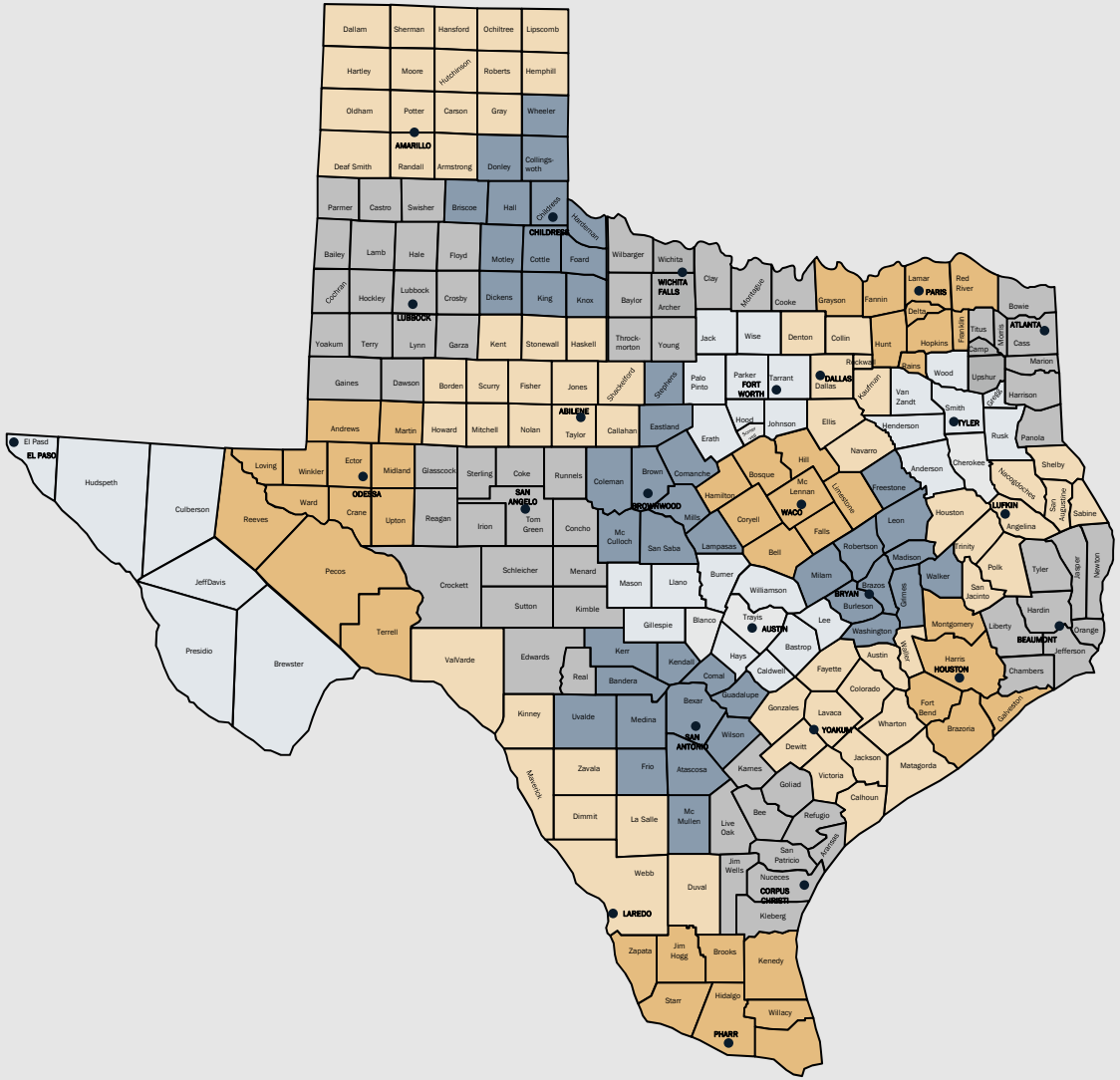
- Current Estimate
  - Based on $100K per foot per mile
- Detailed Estimate
  - Only if funded
- BRG Division Review
  - Structures and Bridges Widened

Future SSWP Projects

Solutions for Saving Lives on Texas Roads

- Identify potential SSWP Projects
  - Up to 2,000 miles
  - $636 million
  - Potential Lives Saved 200–300 lives
  - Estimated Cumulative Benefit $1.3 billion

Questions


Dallam
Sherman
Hansford
Ochiltree
Lipscomb
Hartley
Moore
Hutchinson
Roberts
Hemphill
Oldham
Potter
Carson
Gray
Wheeler
AMARILLO
Deaf Smith
Randall
Armstrong
Donley
Collings-woth
Parmer
Castro
Swisher
Briscoe
Hall
Childress
CHILDRESS
Hardeman
Bailey
Lamb
Hale
Floyd
Motley
Cottle
Foard
Wilbarger
Wichita
Clay
Montague
Cooke
Grayson
Fannin
Lamar
PARIS
Red River
Bowie
Cochran
Hockley
Lubbock
LUBBOCK
Crosby
Dickens
King
Knox
Baylor
Archer
WICHITA FALLS
Delta
Franklin
Titus
Morris
ATLANTA
Cass
Yoakum
Terry
Lynn
Garza
Kent
Stonewall
Haskell
Throck-morton
Young
Jack
Wise
Denton
Collin
Hunt
Hopkins
Camp
Marion
Gaines
Dawson
Borden
Scurry
Fisher
Jones
Shackelford
Stephens
Palo Pinto
Parker
FORT WORTH
Tarrant
DALLAS
Dallas
Rockwall
Rains
Wood
Upshur
Harrison
Andrews
Martin
Howard
Mitchell
Nolan
ABILENE
Taylor
Callahan
Eastland
Erath
Hood
Johnson
Ellis
Van Zandt
Smith
TYLER
Gregg
Henderson
Rusk
Panola
El Paso
EL PASO
Hudspeth
Loving
Winkler
Ector
ODESSA
Midland
Glasscock
Sterling
Coke
Runnels
Coleman
Brown
BROWNWOOD
Comanche
Bosque
Hill
Navarro
Anderson
Cherokee
Shelby
Nacogdoches
San Augustine
Sabine
Ward
Crane
Upton
Reagan
Irion
SAN ANGELO
Tom Green
Concho
Mc Culloch
San Saba
Mills
Hamilton
Coryell
Mc Lennan
WACO
Limestone
Freestone
Leon
Houston
LUFKIN
Angelina
Cullberson
Reeves
Pecos
Crockett
Schleicher
Menard
Mason
Llano
Burnet
Lampasas
Bell
Falls
Robertson
Madison
Trinity
Polk
Tyler
Jasper
Newton
Jeff Davis
Presidio
Brewster
Terrell
Sutton
Kimble
Gillespie
Williamson
Milam
BRYAN
Brazos
Grimes
Walker
San Jacinto
Burleson
Lee
Washington
Montgomery
Liberty
Hardin
BEAUMONT
Orange
Jefferson
Trayis
AUSTIN
Bastrop
Austin
Waller
Harris
HOUSTON
Chambers
Val Verde
Edwards
Kerr
Kendall
Hays
Caldwell
Fayette
Real
Bandera
Comal
Guadalupe
Colorado
Fort Bend
Brazoria
Galveston
Kinney
Uvalde
Medina
Bexar
SAN ANTONIO
Wilson
Gonzales
Lavaca
YOAKUM
Wharton
Dewitt
Jackson
Matagorda
Maverick
Zavala
Frio
Atascosa
Kames
Victoria
Goliad
Calhoun
Dimmit
La Salle
Mc Mullen
Live Oak
Bee
Refugio
Kleberg
San Patricio
Webb
Duval
Jim Wells
Nueces
CORPUS CHRISTI
LAREDO
Zapata
Jim Hogg
Brooks
Kenedy
Starr
Hidalgo
Willacy
PHARR