

**Texas Department of Transportation  
Book 2 – Technical Provisions**

**Grand Parkway Project**

**Attachment 11-1  
Cross-Street Design Criteria Matrices**

**GRAND PARKWAY  
SEGMENT F-1**

ULTIMATE BUILD		INITIAL BUILD														
Intersecting Street	Jurisdiction	Roadway Classification	Design Speed (mph)	Position (over/under)	Design Vehicle	EASTBOUND / NORTHBOUND					Median & Turn Lanes	WESTBOUND / SOUTHBOUND				
						U-Turn (each)	Clear Zone for Cross Street Thru Lanes	Curb Section	Offset to face of curb	Through Lanes		Through Lanes	Offset to face of curb	Curb Section	Clear Zone for Cross Street Thru Lanes	U-Turn (each)
Future Cypresswood Dr.	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	Y	1'	2 (12')	2 (12')	2 (12')	1'	Y	6'	1
Future Cumberland Ridge Dr.	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	Y	1'	3 (12')	2 (12')	3 (12')	1'	Y	6'	0
Schiel Rd.	Harris Co.	Local Urban	40	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section									0
Future Bauer Hockley/ Grant Rd.	Harris Co.	Local Urban	40	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section									0
Future Mason Rd.	Harris Co.	Local Urban	45	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section									0
Future Botkins / Juergen	Harris Co.	Local Urban	40	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section									0
Mueschke Rd.	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	Y	1'	2 (12')	N	2 (12')	1'	Y	6'	0
Future Cypress Hill Rd.	Harris Co.	Local Urban	40	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section									0
Cypress-Rosehill Rd.	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	Y	1'	2 (12')	2 (12') with 8' curbed median	2 (12')	1'	Y	6'	0
Lindsey Ln.	Harris Co.	Local Rural	20	under SH 99	WB-50	0	10'	N	N	1 (12')	N	1 (12')	N	N	10'	0
Cedar Lane / Future Barker Cypress	Harris Co.	Local Urban	45	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section									0
Telge Rd.	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	Y	1'	2 (12')	2 (12') with 8' curbed median	2 (12')	1'	Y	6'	0
Future Shaw Rd.	Harris Co.	Local Urban	40	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section									0
Boudreaux Rd. (STA 3037+00)	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	Y	1'	1 (12')	2 (12')	1 (12')	1'	Y	6'	1

Assumptions:

Urban - Minimum 5' sidewalk and curb and gutter on all urban roadways. Ped accommodations only on Urban Facilities. If columns are placed in the median, use 6' minimum offset from face of column.

Rural - No curb and gutter and sidewalk on all rural roadways.

**GRAND PARKWAY  
SEGMENT F-2**

ULTIMATE BUILD		INITIAL BUILD															
Intersecting Street	Jurisdiction	Roadway Classification	Design Speed (mph)	Position (over/under)	Design Vehicle	EASTBOUND / NORTHBOUND					Median & Turn Lanes	WESTBOUND / SOUTHBOUND					
						U-Turn (each)	Clear Zone for Cross Street Thru Lanes	Curb Section	Offset to face of curb	Through Lanes		Through Lanes	Offset to face of curb	Curb Section	Clear Zone for Cross Street Thru Lanes	U-Turn (each)	
Future Boudreaux Rd. (STA 3073+50)	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	Y	1'	2 (12')	(2) 12' with 6' curbed median	2 (12')	1'	Y	6'	0	
Huffsmith-Kohrville Rd.	Harris Co.	Local Rural	40	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section										0
Gleannloch Forest Dr.	Harris Co.	Local Urban	40	under SH 99	WB-50	0	6'	Y	1'	2 (12')	N	2 (12')	1'	Y	6'	1	
Champions Forest Dr.	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	Y	1'	3 (12')	49' curbed median	3 (12')	1'	Y	6'	1	
Max Conrad/Glenwillow Dr.	Harris Co.	Local Rural	40	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section										0
FM 2920	TxDOT	Arterial Urban	45	over SH 99	WB-50	1	N/A	Y	1'	2 (12')	2 (12') with 12' curbed median	2 (12')	1'	Y	N/A	1	
Boudreaux Rd. (STA 3305+00) / Future Stuebner Airline	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	Y	1'	2 (12')	1 (12') with 2' curbed median	2 (12')	1'	Y	6'	0	
Boudreaux Rd. (STA 3387+00)	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	Y	1'	2 (11')	2 (11') with 6' striped median	2 (11')	1'	Y	6'	0	
Kuykendahl Rd.	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	Y	1'	2 (12')	2 (12') with 6' curbed median	2 (12')	1'	Y	6'	1	
Hildebrandt Rd.	Harris Co.	Local Rural	40	under SH 99	WB-50	0	10'	Y	1'	1 (12')	N	N	N	N	10'	0	
Northcrest Dr.	Harris Co.	Local Rural	40	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section										0
*Gosling Rd.	Harris Co.	Local Urban	40	under SH 99	WB-50	0	6'	Y	1'	1 (12')	6' curbed median	1 (12')	1'	Y	6'	0	
Rothwood Rd.	Harris Co.	Local Rural	40	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section										0
Mossy Oaks Rd.	Harris Co.	Local Rural	40	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section										0
Springwoods Village Pkwy	Harris Co.	Local Urban	45	over SH 99	WB-50	0	Overall bridge width will match Holzwarth Road bridge, see RID document										0
Holzwarth Rd	Harris Co.	Local Urban	45	over SH 99	WB-50	0	By Others										0
Energy Drive	Harris Co.	Local Urban	45	under SH 99	WB-50	0	By Others SH 99 bridge bents to clear a 100' span centered about Energy Drive										0

Assumptions:

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Rural - No curb and gutter and sidewalk on all rural roadways.

\*Initial Build indicates striping. Initial pavement will be constructed as shown in the schematic.

**GRAND PARKWAY  
SEGMENT G**

ULTIMATE BUILD		INITIAL BUILD															
Intersecting Street	Jurisdiction	Roadway Classification	Design Speed (mph)	Position (over/under)	Design Vehicle	EASTBOUND / NORTHBOUND					Median & Turn Lanes	WESTBOUND / SOUTHBOUND					
						U-Turn (each)	Clear Zone for Cross Street Thru Lanes	Curb Section	Offset to face of curb	Through Lanes		Through Lanes	Offset to face of curb	Curb Section	Clear Zone for Cross Street Thru Lanes	U-Turn (each)	
Northgate Crossing Blvd.	Harris Co.	Local Urban	45	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section										0
Nelson St.	Harris Co.	Local Rural	45	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section										0
East Hardy Rd.	Harris Co.	Local Rural	45	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section										0
Old Westfield Rd / Spring Creek Trail	Harris Co.	Local Urban	45	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section										0
Riley Fuzzel Rd	Montgomery Co.	Collector Urban	45	under SH 99	WB-50	0	The location crossing under the Grand Parkway functions as a frontage road. A 6' minimum offset is required from face of column.										1
Future Rayford Rd	Montgomery Co.	Local Urban	45	under SH 99	WB-50	1	6'	Y	1'	2 (12')	2 (12') with 4' curbed median	2 (12')	1'	Y	6'	1	
Birnam Woods Dr.	Montgomery Co.	Local Urban	45	under SH 99	WB-50	1	6'	Y	1'	2 (12')	2 (12') with 4' curbed median	2 (12')	1'	Y	6'	1	
Future Townsen Blvd.	Montgomery Co.	Local Urban	45	under SH 99	WB-50	1	6'	Y	1'	2 (12')	2 (12') with 4' curbed median	2 (12')	1'	Y	6'	0	
Future Riverwalk Dr.	Montgomery Co.	Local Urban	45	under SH 99	WB-50	0	6'	Y	1'	2 (12')	2 (12') with 4' curbed median	2 (12')	1'	Y	6'	0	
FM 1314	TxDOT	Arterial Rural	45	under SH 99	WB-50	0	16'	N	N	2 (12')	2 (12') with 4' curbed median	2 (12')	N	N	16'	0	
Future Rd. (STA 4267+00)	Montgomery Co.	Local Urban	45	under SH 99	WB-50	0	No Initial Build Accommodate Ultimate Typical Section										0
Valley Ranch Blvd.	Montgomery Co.	Local Urban	45	under SH 99	WB-50	0	6'	Y	1'	2 (12')	2 (12') with 4' curbed median	2 (12')	1'	Y	6'	1	
Future Rd. (STA 4395+00)	Montgomery Co.	Local Urban	45	under SH 99	WB-50	1	6'	Y	1'	2 (12')	2 (12') with 4' curbed median	2 (12')	1'	Y	6'	1	

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Urban - Minimum 5' sidewalk and curb and gutter on all urban roadways. Ped accommodations only on Urban Facilities. If columns are placed in the median, use 6' minimum offset from face of column.

Rural - No curb and gutter and sidewalk on all rural roadways.