

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

Grand Parkway Project

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

GRAND PARKWAY SEGMENT F1

			INITIAL BUILD														
Intersecting Street	Ultimate Typical Section	Jurisdiction	Roadway Classification	Design Speed (mph)	Position (over/under)	Design Vehicle	EASTBOUND					Turn Lanes	WESTBOUND				
							U-Turn (each)	Clear Zone for Cross Street Thru Lanes	Sidewalk and Min. Usable Width (LF)	Curb and Gutter	Through Lanes		Through Lanes	Curb and Gutter	Sidewalk and Min. Usable Width (LF)	Clear Zone for Cross Street Thru Lanes	U-Turn (each)
Future Cypresswood Dr.	A	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	5'	Y	2 (12')	2 (12')	2 (12')	Y	5'	6'	1
Future Cumberland Ridge Dr.	A	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	5'	Y	3 (12')	2 (12')	3 (12')	Y	5'	6'	0
Schiel Rd.	C	Harris Co.	Local Rural	40	under SH 99	WB-50	0	10'	No Initial Build Accommodate Ultimate Typical Section							10'	0
Future Mason Rd.	A	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	No Initial Build Accommodate Ultimate Typical Section							6'	0
Mueschke Rd.	A	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	5'	Y	2 (12')	N	2 (12')	Y	5'	6'	0
Cypress-Rosehill Rd.	A	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	5'	Y	2 (12')	2 (12') with 8' curbed median	2 (12')	Y	5'	6'	0
Lindsey Ln.	D	Harris Co.	Local Rural	40	under SH 99	WB-50	0	10'	N/A	N	1 (12')	N	1 (12')	N	N/A	10'	0
Cedar Lane	A	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	No Initial Build Accommodate Ultimate Typical Section							6'	0
Telge Rd.	A	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	5'	Y	2 (12')	2 (12') with 8' curbed median	2 (12')	Y	5'	6'	0
Boudreaux Rd.	B	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	5'	Y	1 (12')	2 (12')	1 (12')	Y	5'	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 3' minimum offset from face of column.

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

**GRAND PARKWAY
SEGMENT F2**

			INITIAL BUILD														
Intersecting Street	Ultimate Typical Section	Jurisdiction	Roadway Classification	Design Speed (mph)	Position (over/under)	Design Vehicle	EASTBOUND					Turn Lanes	WESTBOUND				
							U-Turn (each)	Clear Zone for Cross Street Thru Lanes	Sidewalk and Min. Usable Width (LF)	Curb and Gutter	Through Lanes		Through Lanes	Curb and Gutter	Sidewalk and Min. Usable Width (LF)	Clear Zone for Cross Street Thru Lanes	U-Turn (each)
Future Boudreaux Rd.	A	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	5'	Y	2 (12')	(2) 12' with 6' curbed median	2 (12')	Y	5'	6'	0
Huffsmith-Kohrville Rd.	C	Harris Co.	Local Rural	40	under SH 99	WB-50	0	10'	No Initial Build Accommodate Ultimate Typical Section							10'	0
Gleannloch Forest Dr.	A	Harris Co.	Local Urban	40	under SH 99	WB-50	0	6'	5'	Y	2 (12')	N	2 (12')	Y	5'	6'	1
Champions Forest Dr.	A	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	5'	Y	3 (12')	49' curbed median	3 (12')	Y	5'	6'	1
FM 2920	A	TxDOT	Arterial Urban	45	over SH 99	WB-50	1	6'	5'	Y	2 (12')	2 (12') with 12' curbed median	2 (12')	Y	5'	6'	1
Boudreaux Rd.	A	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	5'	Y	2 (12')	1 (12') with 2' curbed median	2 (12')	Y	5'	6'	0
Boudreaux Rd.	A	Harris Co.	Local Urban	45	under SH 99	WB-50	1	6'	5'	Y	2 (12')	2 (12') with 6' curbed median	2 (12')	Y	5'	6'	0
Kuykendahl Rd.	A	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	5'	Y	2 (12')	2 (12') with 6' curbed median	2 (12')	Y	5'	6'	1
Hildebrandt Rd.	D	Harris Co.	Local Rural	40	under SH 99	WB-50	0	10'	N/A	N	1 (13')	N	N	N	N/A	10'	0
Northcrest Dr.	C	Harris Co.	Local Rural	40	under SH 99	WB-50	0	10'	No Initial Build Accommodate Ultimate Typical Section							10'	0
Gosling Rd.	A	Harris Co.	Local Urban	40	under SH 99	WB-50	0	6'	5'	Y	3 (12')	6' curbed median	3 (12')	Y	5'	6'	0
Rothwood Rd.	C	Harris Co.	Local Rural	40	under SH 99	WB-50	0	10'	No Initial Build Accommodate Ultimate Typical Section							10'	0
Mossy Oaks Rd.	D	Harris Co.	Local Rural	40	under SH 99	WB-50	0	10'	No Initial Build Accommodate Ultimate Typical Section							10'	0
Springwoods Village Pkwy	N/A	Harris Co.	Local Urban	45	over SH 99	WB-50	0	N/A	Overall Bridge Width = 79' Lane Assignments to be Coordinated with County							N/A	0
Holzwarth Rd	N/A	Harris Co.	Local Urban	45	over SH 99	WB-50	0	N/A	By Others							N/A	0
Energy Drive	N/A	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	By Others SH 99 bridge bents to clear a 100' span centered about Energy Drive							6'	0

Assumptions:

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**GRAND PARKWAY
SEGMENT G**

			INITIAL BUILD														
Intersecting Street	Ultimate Typical Section	Jurisdiction	Roadway Classification	Design Speed (mph)	Position (over/under)	Design Vehicle	EASTBOUND					Turn Lanes	WESTBOUND				
							U-Turn (each)	Clear Zone for Cross Street Thru Lanes	Sidewalk and Min. Usable Width (LF)	Curb and Gutter	SB Turn Lanes		NB Turn Lanes	Curb and Gutter	Sidewalk and Min. Usable Width (LF)	Clear Zone for Cross Street Thru Lanes	U-Turn (each)
Northgate Crossing Blvd.	B	Harris Co.	Local Urban	45	under SH 99	WB-50	0	6'	No Initial Build Accommodate Ultimate Typical Section							6'	0
Nelson St.	D	Harris Co.	Local Rural	45	under SH 99	WB-50	0	10'	No Initial Build Accommodate Ultimate Typical Section							10'	0
East Hardy Rd.	D	Harris Co.	Local Rural	45	under SH 99	WB-50	0	10'	No Initial Build Accommodate Ultimate Typical Section							10'	0
Riley Fuzzel Rd	D	Montgomery Co.	Local Rural	40	under SH 99	WB-50	1	10'	N/A	N	2 (12')	N	2 (12')	N	N/A	10'	0
Future Rayford Rd	A	Montgomery Co.	Local Urban	45	under SH 99	WB-50	1	6'	5'	Y	2 (12')	2 (12') with 4' curbed median	2 (12')	Y	5'	6'	1
Birnham Woods Dr.	A	Montgomery Co.	Local Urban	45	under SH 99	WB-50	1	6'	5'	Y	2 (12')	2 (12') with 4' curbed median	2 (12')	Y	5'	6'	1
Future Townsen Blvd.	A	Montgomery Co.	Local Urban	45	under SH 99	WB-50	1	6'	5'	Y	2 (12')	2 (12') with 4' curbed median	2 (12')	Y	5'	6'	0
Future Riverwalk Dr.	A	Montgomery Co.	Local Urban	45	under SH 99	WB-50	0	6'	5'	Y	2 (12')	2 (12') with 4' curbed median	2 (12')	Y	5'	6'	0
FM 1314	E	TxDOT	Arterial Rural	45	under SH 99	WB-50	0	10'	N/A	N	2 (12')	2 (12') with 4' curbed median	2 (12')	N	N/A	10'	0
Future Rd.	C	Montgomery Co.	Local Rural	45	under SH 99	WB-50	0	10'	No Initial Build Accommodate Ultimate Typical Section							10'	0
Valley Ranch Blvd.	A	Montgomery Co.	Local Urban	45	under SH 99	WB-50	0	6'	5'	Y	2 (12')	2 (12') with 4' curbed median	2 (12')	Y	5'	6'	1
Future Rd.	A	Montgomery Co.	Local Urban	45	under SH 99	WB-50	1	6'	5'	Y	2 (12')	2 (12') with 4' curbed median	2 (12')	Y	5'	6'	1

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