

Appendix A: Traffic Counts

Count Year	ID_Name	Intersection	Primary Directions	SB_Total	WB_Total	NB_Total	EB_Total	TOTAL
2018	Loc 1	Ave F btw 9th and 10th	NB_SB	2550		2508		5058
2018	Loc 2	11th btw Ave O and N	WB_EB		12174		12836	25010
2018	Loc 3	19th btw I45 and N Park	WB_EB		1134		1512	2646
2018	Loc 4	Montgomery_S of Willow	NB_SB	3161		4194		7355
2018	Loc 5	Sycamore_S of Bowers	NB_SB	3807		4342		8149
2018	Loc 6	Bowers Blvd_E of Montgomery	WB_EB		3434		2814	6248
2018	Loc 7	Univ btw 10th and 11th	NB_SB	683		1162		1845
2018	Loc 8	Normal Park_N of 19th	NB_SB	2616		2008		4624
2018	Loc 9	Col Etheridge_W of I45	WB_EB		2134		1288	3422
2018	Loc 10	Vet Mem btw Etheridge and Smithers	NB_SB	5642		2614		8256

Leg	Northbound Ave F	Southbound Ave F	Loc 1 _Ave F between 9th St and 10th St
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 00:00:00	3	4	7
2018-09-05 00:15:00	2	0	2
2018-09-05 00:30:00	4	4	8
2018-09-05 00:45:00	3	3	6
2018-09-05 01:00:00	2	0	2
2018-09-05 01:15:00	1	2	3
2018-09-05 01:30:00	0	2	2
2018-09-05 01:45:00	0	1	1
2018-09-05 02:00:00	1	2	3
2018-09-05 02:15:00	4	1	5
2018-09-05 02:30:00	0	1	1
2018-09-05 02:45:00	1	2	3
2018-09-05 03:00:00	2	1	3
2018-09-05 03:15:00	1	0	1
2018-09-05 03:30:00	1	0	1
2018-09-05 03:45:00	0	1	1
2018-09-05 04:00:00	1	0	1
2018-09-05 04:15:00	1	2	3
2018-09-05 04:30:00	5	7	12
2018-09-05 04:45:00	14	15	29
2018-09-05 05:00:00	5	8	13
2018-09-05 05:15:00	9	12	21
2018-09-05 05:30:00	12	13	25
2018-09-05 05:45:00	18	15	33
2018-09-05 06:00:00	19	14	33
2018-09-05 06:15:00	24	18	42
2018-09-05 06:30:00	42	12	54
2018-09-05 06:45:00	31	30	61
2018-09-05 07:00:00	23	65	88
2018-09-05 07:15:00	59	56	115
2018-09-05 07:30:00	105	73	178
2018-09-05 07:45:00	93	57	150
2018-09-05 08:00:00	30	41	71
2018-09-05 08:15:00	27	28	55
2018-09-05 08:30:00	28	19	47
2018-09-05 08:45:00	24	23	47
2018-09-05 09:00:00	35	19	54
2018-09-05 09:15:00	40	25	65
2018-09-05 09:30:00	39	31	70
2018-09-05 09:45:00	29	17	46
2018-09-05 10:00:00	17	21	38
2018-09-05 10:15:00	29	24	53
2018-09-05 10:30:00	31	20	51
2018-09-05 10:45:00	25	37	62
2018-09-05 11:00:00	30	23	53
2018-09-05 11:15:00	20	28	48
2018-09-05 11:30:00	29	27	56
2018-09-05 11:45:00	35	32	67

Leg	Northbound Ave F	Southbound Ave F	Loc 1 _Ave F between 9th St and 10th St
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 12:00:00	24	36	60
2018-09-05 12:15:00	32	27	59
2018-09-05 12:30:00	30	26	56
2018-09-05 12:45:00	24	22	46
2018-09-05 13:00:00	30	33	63
2018-09-05 13:15:00	32	32	64
2018-09-05 13:30:00	28	40	68
2018-09-05 13:45:00	34	32	66
2018-09-05 14:00:00	29	43	72
2018-09-05 14:15:00	37	35	72
2018-09-05 14:30:00	49	33	82
2018-09-05 14:45:00	41	43	84
2018-09-05 15:00:00	34	46	80
2018-09-05 15:15:00	53	34	87
2018-09-05 15:30:00	51	76	127
2018-09-05 15:45:00	61	65	126
2018-09-05 16:00:00	49	43	92
2018-09-05 16:15:00	43	51	94
2018-09-05 16:30:00	36	48	84
2018-09-05 16:45:00	43	62	105
2018-09-05 17:00:00	62	72	134
2018-09-05 17:15:00	59	66	125
2018-09-05 17:30:00	66	63	129
2018-09-05 17:45:00	51	51	102
2018-09-05 18:00:00	53	56	109
2018-09-05 18:15:00	45	48	93
2018-09-05 18:30:00	45	48	93
2018-09-05 18:45:00	44	35	79
2018-09-05 19:00:00	40	38	78
2018-09-05 19:15:00	27	28	55
2018-09-05 19:30:00	29	28	57
2018-09-05 19:45:00	29	32	61
2018-09-05 20:00:00	44	33	77
2018-09-05 20:15:00	25	32	57
2018-09-05 20:30:00	25	22	47
2018-09-05 20:45:00	27	25	52
2018-09-05 21:00:00	16	18	34
2018-09-05 21:15:00	15	18	33
2018-09-05 21:30:00	16	20	36
2018-09-05 21:45:00	15	18	33
2018-09-05 22:00:00	17	12	29
2018-09-05 22:15:00	19	15	34
2018-09-05 22:30:00	13	11	24
2018-09-05 22:45:00	14	11	25
2018-09-05 23:00:00	12	12	24
2018-09-05 23:15:00	10	16	26
2018-09-05 23:30:00	13	7	20
2018-09-05 23:45:00	5	10	15

Leg	Northbound Ave F	Southbound Ave F	Loc 1 _Ave F between 9th St and 10th St
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
Grand Total	2550	2508	5058
% Approach			
% Total	50.4%	49.6%	
Motorcycles	2	1	3
% Motorcycles	0.1%	0.0%	0.1%
Lights	2434	2403	4837
% Lights	95.5%	95.8%	95.6%
Single-Unit Trucks	12	22	34
% Single-Unit Trucks	0.5%	0.9%	0.7%
Articulated Trucks	2	3	5
% Articulated Trucks	0.1%	0.1%	0.1%
Buses	72	68	140
% Buses	2.8%	2.7%	2.8%
Bicycles on Road	28	11	39
% Bicycles on Road	1.1%	0.4%	0.8%
Pedestrians			
% Pedestrians			
Bicycles on Crosswalk			
% Bicycles on Crosswalk			

Leg	Eastbound 11th St	Westbound 11th St	Loc 2 _ 11th St between Ave O and Ave N
Direction	Westbound	Eastbound	
Start Time	App Total	App Total	Int Total
2018-09-05 00:00:00	37	45	82
2018-09-05 00:15:00	28	23	51
2018-09-05 00:30:00	22	24	46
2018-09-05 00:45:00	24	17	41
2018-09-05 01:00:00	18	17	35
2018-09-05 01:15:00	10	16	26
2018-09-05 01:30:00	9	13	22
2018-09-05 01:45:00	10	17	27
2018-09-05 02:00:00	10	38	48
2018-09-05 02:15:00	7	17	24
2018-09-05 02:30:00	9	8	17
2018-09-05 02:45:00	8	17	25
2018-09-05 03:00:00	9	9	18
2018-09-05 03:15:00	7	8	15
2018-09-05 03:30:00	10	8	18
2018-09-05 03:45:00	11	19	30
2018-09-05 04:00:00	14	5	19
2018-09-05 04:15:00	9	20	29
2018-09-05 04:30:00	11	20	31
2018-09-05 04:45:00	26	29	55
2018-09-05 05:00:00	26	21	47
2018-09-05 05:15:00	36	23	59
2018-09-05 05:30:00	37	30	67
2018-09-05 05:45:00	53	38	91
2018-09-05 06:00:00	53	50	103
2018-09-05 06:15:00	63	64	127
2018-09-05 06:30:00	70	104	174
2018-09-05 06:45:00	103	125	228
2018-09-05 07:00:00	108	154	262
2018-09-05 07:15:00	155	191	346
2018-09-05 07:30:00	209	225	434
2018-09-05 07:45:00	202	233	435
2018-09-05 08:00:00	151	186	337
2018-09-05 08:15:00	112	156	268
2018-09-05 08:30:00	147	143	290
2018-09-05 08:45:00	151	163	314
2018-09-05 09:00:00	142	173	315
2018-09-05 09:15:00	173	177	350
2018-09-05 09:30:00	151	157	308
2018-09-05 09:45:00	177	186	363
2018-09-05 10:00:00	173	177	350
2018-09-05 10:15:00	171	148	319
2018-09-05 10:30:00	177	173	350
2018-09-05 10:45:00	169	192	361
2018-09-05 11:00:00	228	196	424
2018-09-05 11:15:00	214	184	398
2018-09-05 11:30:00	188	199	387
2018-09-05 11:45:00	213	204	417
2018-09-05 12:00:00	240	218	458
2018-09-05 12:15:00	258	225	483
2018-09-05 12:30:00	216	220	436
2018-09-05 12:45:00	225	235	460
2018-09-05 13:00:00	249	201	450
2018-09-05 13:15:00	205	221	426
2018-09-05 13:30:00	212	251	463
2018-09-05 13:45:00	220	206	426

Leg	Eastbound 11th St	Westbound 11th St	Loc 2 _ 11th St between Ave O and Ave N
Direction	Westbound	Eastbound	
Start Time	App Total	App Total	Int Total
2018-09-05 14:00:00	238	180	418
2018-09-05 14:15:00	207	209	416
2018-09-05 14:30:00	192	244	436
2018-09-05 14:45:00	204	207	411
2018-09-05 15:00:00	227	235	462
2018-09-05 15:15:00	206	232	438
2018-09-05 15:30:00	235	263	498
2018-09-05 15:45:00	269	247	516
2018-09-05 16:00:00	246	229	475
2018-09-05 16:15:00	245	207	452
2018-09-05 16:30:00	211	227	438
2018-09-05 16:45:00	231	196	427
2018-09-05 17:00:00	277	286	563
2018-09-05 17:15:00	277	290	567
2018-09-05 17:30:00	209	264	473
2018-09-05 17:45:00	218	238	456
2018-09-05 18:00:00	186	239	425
2018-09-05 18:15:00	181	218	399
2018-09-05 18:30:00	184	194	378
2018-09-05 18:45:00	170	189	359
2018-09-05 19:00:00	162	151	313
2018-09-05 19:15:00	161	152	313
2018-09-05 19:30:00	128	160	288
2018-09-05 19:45:00	160	155	315
2018-09-05 20:00:00	163	154	317
2018-09-05 20:15:00	131	161	292
2018-09-05 20:30:00	118	124	242
2018-09-05 20:45:00	96	138	234
2018-09-05 21:00:00	108	120	228
2018-09-05 21:15:00	68	90	158
2018-09-05 21:30:00	69	97	166
2018-09-05 21:45:00	74	79	153
2018-09-05 22:00:00	58	104	162
2018-09-05 22:15:00	47	71	118
2018-09-05 22:30:00	64	62	126
2018-09-05 22:45:00	53	53	106
2018-09-05 23:00:00	55	50	105
2018-09-05 23:15:00	27	46	73
2018-09-05 23:30:00	32	29	61
2018-09-05 23:45:00	21	27	48
Grand Total	12174	12836	25010
% Approach			
% Total	48.7%	51.3%	
Motorcycles	23	17	40
% Motorcycles	0.2%	0.1%	0.2%
Lights	11997	12650	24647
% Lights	98.5%	98.6%	98.5%
Single-Unit Trucks	93	103	196
% Single-Unit Trucks	0.8%	0.8%	0.8%
Articulated Trucks	36	38	74
% Articulated Trucks	0.3%	0.3%	0.3%
Buses	23	26	49
% Buses	0.2%	0.2%	0.2%
Bicycles on Road	2	2	4
% Bicycles on Road	0.0%	0.0%	0.0%
Pedestrians			

Leg	Eastbound 11th St	Westbound 11th St	Loc 2 _ 11th St between Ave O and Ave N
Direction	Westbound	Eastbound	
Start Time	App Total	App Total	Int Total
% Pedestrians			
Bicycles on Crosswalk			
% Bicycles on Crosswalk			

Leg	Eastbound 19th St	Westbound 19th St	Loc 3_19th St between IH-45 and Normal Park Dr
Direction	Westbound	Eastbound	
Start Time	App Total	App Total	Int Total
2018-09-05 00:00:00	2	1	3
2018-09-05 00:15:00	1	4	5
2018-09-05 00:30:00	1	1	2
2018-09-05 00:45:00	1	1	2
2018-09-05 01:00:00	0	4	4
2018-09-05 01:15:00	1	0	1
2018-09-05 01:30:00	1	0	1
2018-09-05 01:45:00	1	1	2
2018-09-05 02:00:00	2	0	2
2018-09-05 02:15:00	1	1	2
2018-09-05 02:30:00	2	0	2
2018-09-05 02:45:00	0	1	1
2018-09-05 03:00:00	3	0	3
2018-09-05 03:15:00	0	1	1
2018-09-05 03:30:00	0	1	1
2018-09-05 03:45:00	0	2	2
2018-09-05 04:00:00	0	1	1
2018-09-05 04:15:00	0	0	0
2018-09-05 04:30:00	0	1	1
2018-09-05 04:45:00	2	2	4
2018-09-05 05:00:00	2	1	3
2018-09-05 05:15:00	2	2	4
2018-09-05 05:30:00	2	1	3
2018-09-05 05:45:00	3	3	6
2018-09-05 06:00:00	2	4	6
2018-09-05 06:15:00	7	4	11
2018-09-05 06:30:00	3	7	10
2018-09-05 06:45:00	4	9	13
2018-09-05 07:00:00	17	15	32
2018-09-05 07:15:00	19	20	39
2018-09-05 07:30:00	34	25	59
2018-09-05 07:45:00	28	28	56
2018-09-05 08:00:00	14	11	25
2018-09-05 08:15:00	11	15	26
2018-09-05 08:30:00	9	15	24
2018-09-05 08:45:00	15	7	22
2018-09-05 09:00:00	16	16	32
2018-09-05 09:15:00	20	12	32
2018-09-05 09:30:00	23	13	36
2018-09-05 09:45:00	20	19	39
2018-09-05 10:00:00	16	13	29
2018-09-05 10:15:00	17	23	40
2018-09-05 10:30:00	11	12	23
2018-09-05 10:45:00	19	22	41
2018-09-05 11:00:00	18	35	53
2018-09-05 11:15:00	16	18	34
2018-09-05 11:30:00	19	22	41
2018-09-05 11:45:00	26	16	42
2018-09-05 12:00:00	17	37	54
2018-09-05 12:15:00	20	37	57
2018-09-05 12:30:00	28	35	63
2018-09-05 12:45:00	27	32	59
2018-09-05 13:00:00	20	31	51
2018-09-05 13:15:00	15	33	48
2018-09-05 13:30:00	20	25	45
2018-09-05 13:45:00	23	21	44
2018-09-05 14:00:00	18	43	61
2018-09-05 14:15:00	18	25	43
2018-09-05 14:30:00	24	16	40

Leg	Eastbound 19th St	Westbound 19th St	Loc 3_19th St between IH-45 and Normal Park Dr
Direction	Westbound	Eastbound	
Start Time	App Total	App Total	Int Total
2018-09-05 14:45:00	22	31	53
2018-09-05 15:00:00	29	32	61
2018-09-05 15:15:00	26	26	52
2018-09-05 15:30:00	30	47	77
2018-09-05 15:45:00	19	37	56
2018-09-05 16:00:00	22	34	56
2018-09-05 16:15:00	26	26	52
2018-09-05 16:30:00	26	35	61
2018-09-05 16:45:00	26	38	64
2018-09-05 17:00:00	12	47	59
2018-09-05 17:15:00	27	45	72
2018-09-05 17:30:00	19	31	50
2018-09-05 17:45:00	17	29	46
2018-09-05 18:00:00	18	25	43
2018-09-05 18:15:00	22	20	42
2018-09-05 18:30:00	15	27	42
2018-09-05 18:45:00	19	25	44
2018-09-05 19:00:00	12	11	23
2018-09-05 19:15:00	10	15	25
2018-09-05 19:30:00	9	22	31
2018-09-05 19:45:00	8	17	25
2018-09-05 20:00:00	9	27	36
2018-09-05 20:15:00	8	14	22
2018-09-05 20:30:00	9	21	30
2018-09-05 20:45:00	2	8	10
2018-09-05 21:00:00	6	13	19
2018-09-05 21:15:00	5	10	15
2018-09-05 21:30:00	8	13	21
2018-09-05 21:45:00	3	4	7
2018-09-05 22:00:00	9	5	14
2018-09-05 22:15:00	1	4	5
2018-09-05 22:30:00	5	5	10
2018-09-05 22:45:00	4	7	11
2018-09-05 23:00:00	3	4	7
2018-09-05 23:15:00	2	6	8
2018-09-05 23:30:00	0	4	4
2018-09-05 23:45:00	5	2	7
Grand Total	1134	1512	2646
% Approach			
% Total	42.9%	57.1%	
Motorcycles	2	2	4
% Motorcycles	0.2%	0.1%	0.2%
Lights	1117	1487	2604
% Lights	98.5%	98.3%	98.4%
Single-Unit Trucks	8	16	24
% Single-Unit Trucks	0.7%	1.1%	0.9%
Articulated Trucks	1	4	5
% Articulated Trucks	0.1%	0.3%	0.2%
Buses	4	1	5
% Buses	0.4%	0.1%	0.2%
Bicycles on Road	2	2	4
% Bicycles on Road	0.2%	0.1%	0.2%
Pedestrians			
% Pedestrians			
Bicycles on Crosswalk			
% Bicycles on Crosswalk			

Leg	Northbound Montgomery Rd	Southbound Montgomery Rd	Loc 4_Montgomery rd S of Willow St
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 00:00:00	17	15	32
2018-09-05 00:15:00	4	15	19
2018-09-05 00:30:00	7	10	17
2018-09-05 00:45:00	11	10	21
2018-09-05 01:00:00	8	2	10
2018-09-05 01:15:00	2	3	5
2018-09-05 01:30:00	8	3	11
2018-09-05 01:45:00	1	3	4
2018-09-05 02:00:00	3	6	9
2018-09-05 02:15:00	5	3	8
2018-09-05 02:30:00	0	2	2
2018-09-05 02:45:00	2	0	2
2018-09-05 03:00:00	1	2	3
2018-09-05 03:15:00	3	2	5
2018-09-05 03:30:00	1	2	3
2018-09-05 03:45:00	3	2	5
2018-09-05 04:00:00	2	1	3
2018-09-05 04:15:00	2	2	4
2018-09-05 04:30:00	5	5	10
2018-09-05 04:45:00	6	7	13
2018-09-05 05:00:00	5	8	13
2018-09-05 05:15:00	1	12	13
2018-09-05 05:30:00	10	7	17
2018-09-05 05:45:00	5	14	19
2018-09-05 06:00:00	5	16	21
2018-09-05 06:15:00	12	32	44
2018-09-05 06:30:00	19	29	48
2018-09-05 06:45:00	17	54	71
2018-09-05 07:00:00	16	68	84
2018-09-05 07:15:00	25	88	113
2018-09-05 07:30:00	40	141	181
2018-09-05 07:45:00	38	128	166
2018-09-05 08:00:00	27	77	104
2018-09-05 08:15:00	16	72	88
2018-09-05 08:30:00	16	90	106
2018-09-05 08:45:00	24	104	128
2018-09-05 09:00:00	26	69	95
2018-09-05 09:15:00	30	82	112
2018-09-05 09:30:00	24	66	90
2018-09-05 09:45:00	33	61	94
2018-09-05 10:00:00	32	43	75
2018-09-05 10:15:00	26	56	82
2018-09-05 10:30:00	26	56	82
2018-09-05 10:45:00	54	69	123
2018-09-05 11:00:00	63	36	99
2018-09-05 11:15:00	35	49	84
2018-09-05 11:30:00	45	73	118
2018-09-05 11:45:00	52	58	110
2018-09-05 12:00:00	62	70	132
2018-09-05 12:15:00	48	73	121
2018-09-05 12:30:00	43	50	93
2018-09-05 12:45:00	56	57	113
2018-09-05 13:00:00	55	72	127
2018-09-05 13:15:00	39	49	88
2018-09-05 13:30:00	31	62	93
2018-09-05 13:45:00	82	67	149
2018-09-05 14:00:00	99	34	133
2018-09-05 14:15:00	38	52	90
2018-09-05 14:30:00	50	54	104

Leg	Northbound Montgomery Rd	Southbound Montgomery Rd	Loc 4_Montgomery rd S of Willow St
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 14:45:00	55	58	113
2018-09-05 15:00:00	71	55	126
2018-09-05 15:15:00	56	52	108
2018-09-05 15:30:00	71	59	130
2018-09-05 15:45:00	61	38	99
2018-09-05 16:00:00	71	65	136
2018-09-05 16:15:00	53	56	109
2018-09-05 16:30:00	67	61	128
2018-09-05 16:45:00	75	86	161
2018-09-05 17:00:00	99	59	158
2018-09-05 17:15:00	54	60	114
2018-09-05 17:30:00	67	73	140
2018-09-05 17:45:00	81	72	153
2018-09-05 18:00:00	71	46	117
2018-09-05 18:15:00	52	57	109
2018-09-05 18:30:00	45	50	95
2018-09-05 18:45:00	49	48	97
2018-09-05 19:00:00	47	43	90
2018-09-05 19:15:00	34	55	89
2018-09-05 19:30:00	49	70	119
2018-09-05 19:45:00	58	63	121
2018-09-05 20:00:00	45	48	93
2018-09-05 20:15:00	38	47	85
2018-09-05 20:30:00	45	61	106
2018-09-05 20:45:00	49	46	95
2018-09-05 21:00:00	36	50	86
2018-09-05 21:15:00	25	48	73
2018-09-05 21:30:00	26	36	62
2018-09-05 21:45:00	22	42	64
2018-09-05 22:00:00	35	37	72
2018-09-05 22:15:00	30	35	65
2018-09-05 22:30:00	28	29	57
2018-09-05 22:45:00	19	25	44
2018-09-05 23:00:00	26	27	53
2018-09-05 23:15:00	15	19	34
2018-09-05 23:30:00	10	13	23
2018-09-05 23:45:00	10	12	22
Grand Total	3161	4194	7355
% Approach			
% Total	43.0%	57.0%	
Motorcycles	5	7	12
% Motorcycles	0.2%	0.2%	0.2%
Lights	3118	4112	7230
% Lights	98.6%	98.0%	98.3%
Single-Unit Trucks	16	51	67
% Single-Unit Trucks	0.5%	1.2%	0.9%
Articulated Trucks	0	0	0
% Articulated Trucks	0.0%	0.0%	0.0%
Buses	16	14	30
% Buses	0.5%	0.3%	0.4%
Bicycles on Road	6	10	16
% Bicycles on Road	0.2%	0.2%	0.2%
Pedestrians			
% Pedestrians			
Bicycles on Crosswalk			
% Bicycles on Crosswalk			

Leg	Northbound Sycamore Ave	Southbound Sycamore Ave	Loc 5_Sycamore Ave S of Bowers Blvd
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 00:00:00	17	19	36
2018-09-05 00:15:00	10	10	20
2018-09-05 00:30:00	16	12	28
2018-09-05 00:45:00	7	7	14
2018-09-05 01:00:00	6	8	14
2018-09-05 01:15:00	3	5	8
2018-09-05 01:30:00	7	3	10
2018-09-05 01:45:00	6	4	10
2018-09-05 02:00:00	3	7	10
2018-09-05 02:15:00	8	6	14
2018-09-05 02:30:00	4	3	7
2018-09-05 02:45:00	4	5	9
2018-09-05 03:00:00	3	2	5
2018-09-05 03:15:00	2	2	4
2018-09-05 03:30:00	2	2	4
2018-09-05 03:45:00	1	3	4
2018-09-05 04:00:00	1	1	2
2018-09-05 04:15:00	2	2	4
2018-09-05 04:30:00	1	6	7
2018-09-05 04:45:00	2	9	11
2018-09-05 05:00:00	2	18	20
2018-09-05 05:15:00	9	6	15
2018-09-05 05:30:00	7	14	21
2018-09-05 05:45:00	6	12	18
2018-09-05 06:00:00	4	21	25
2018-09-05 06:15:00	10	20	30
2018-09-05 06:30:00	19	35	54
2018-09-05 06:45:00	22	37	59
2018-09-05 07:00:00	25	69	94
2018-09-05 07:15:00	41	89	130
2018-09-05 07:30:00	62	133	195
2018-09-05 07:45:00	72	115	187
2018-09-05 08:00:00	36	61	97
2018-09-05 08:15:00	23	52	75
2018-09-05 08:30:00	24	75	99
2018-09-05 08:45:00	27	84	111
2018-09-05 09:00:00	24	62	86
2018-09-05 09:15:00	41	61	102
2018-09-05 09:30:00	31	69	100
2018-09-05 09:45:00	39	70	109
2018-09-05 10:00:00	51	47	98
2018-09-05 10:15:00	27	62	89
2018-09-05 10:30:00	36	74	110
2018-09-05 10:45:00	59	56	115
2018-09-05 11:00:00	75	60	135
2018-09-05 11:15:00	50	43	93
2018-09-05 11:30:00	46	53	99
2018-09-05 11:45:00	47	69	116
2018-09-05 12:00:00	76	66	142
2018-09-05 12:15:00	58	64	122
2018-09-05 12:30:00	54	59	113
2018-09-05 12:45:00	53	57	110
2018-09-05 13:00:00	61	47	108
2018-09-05 13:15:00	52	41	93
2018-09-05 13:30:00	44	68	112
2018-09-05 13:45:00	80	61	141
2018-09-05 14:00:00	90	63	153
2018-09-05 14:15:00	43	50	93
2018-09-05 14:30:00	51	55	106

Leg	Northbound Sycamore Ave	Southbound Sycamore Ave	Loc 5_Sycamore Ave S of Bowers Blvd
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 14:45:00	75	78	153
2018-09-05 15:00:00	75	68	143
2018-09-05 15:15:00	67	73	140
2018-09-05 15:30:00	89	83	172
2018-09-05 15:45:00	104	74	178
2018-09-05 16:00:00	77	59	136
2018-09-05 16:15:00	74	74	148
2018-09-05 16:30:00	78	75	153
2018-09-05 16:45:00	80	89	169
2018-09-05 17:00:00	109	83	192
2018-09-05 17:15:00	87	79	166
2018-09-05 17:30:00	84	85	169
2018-09-05 17:45:00	74	90	164
2018-09-05 18:00:00	66	69	135
2018-09-05 18:15:00	60	59	119
2018-09-05 18:30:00	52	66	118
2018-09-05 18:45:00	55	46	101
2018-09-05 19:00:00	66	66	132
2018-09-05 19:15:00	49	46	95
2018-09-05 19:30:00	51	58	109
2018-09-05 19:45:00	55	65	120
2018-09-05 20:00:00	67	61	128
2018-09-05 20:15:00	54	52	106
2018-09-05 20:30:00	54	40	94
2018-09-05 20:45:00	63	56	119
2018-09-05 21:00:00	49	45	94
2018-09-05 21:15:00	31	32	63
2018-09-05 21:30:00	43	24	67
2018-09-05 21:45:00	33	28	61
2018-09-05 22:00:00	33	37	70
2018-09-05 22:15:00	39	29	68
2018-09-05 22:30:00	30	27	57
2018-09-05 22:45:00	20	28	48
2018-09-05 23:00:00	28	25	53
2018-09-05 23:15:00	21	23	44
2018-09-05 23:30:00	19	20	39
2018-09-05 23:45:00	14	16	30
Grand Total	3807	4342	8149
% Approach			
% Total	46.7%	53.3%	
Motorcycles	2	8	10
% Motorcycles	0.1%	0.2%	0.1%
Lights	3768	4278	8046
% Lights	99.0%	98.5%	98.7%
Single-Unit Trucks	14	25	39
% Single-Unit Trucks	0.4%	0.6%	0.5%
Articulated Trucks	2	1	3
% Articulated Trucks	0.1%	0.0%	0.0%
Buses	12	20	32
% Buses	0.3%	0.5%	0.4%
Bicycles on Road	9	10	19
% Bicycles on Road	0.2%	0.2%	0.2%
Pedestrians			
% Pedestrians			
Bicycles on Crosswalk			
% Bicycles on Crosswalk			

Leg	North	South	Loc 6 Hwy 19 (Bowers Blvd) E of Montgomery Rd
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 00:00:00	7	10	17
2018-09-05 00:15:00	7	4	11
2018-09-05 00:30:00	11	8	19
2018-09-05 00:45:00	8	6	14
2018-09-05 01:00:00	5	4	9
2018-09-05 01:15:00	2	3	5
2018-09-05 01:30:00	4	5	9
2018-09-05 01:45:00	1	0	1
2018-09-05 02:00:00	7	6	13
2018-09-05 02:15:00	1	2	3
2018-09-05 02:30:00	3	0	3
2018-09-05 02:45:00	2	2	4
2018-09-05 03:00:00	1	1	2
2018-09-05 03:15:00	1	1	2
2018-09-05 03:30:00	0	0	0
2018-09-05 03:45:00	1	2	3
2018-09-05 04:00:00	0	0	0
2018-09-05 04:15:00	0	2	2
2018-09-05 04:30:00	3	5	8
2018-09-05 04:45:00	3	6	9
2018-09-05 05:00:00	2	8	10
2018-09-05 05:15:00	3	9	12
2018-09-05 05:30:00	3	11	14
2018-09-05 05:45:00	1	8	9
2018-09-05 06:00:00	9	16	25
2018-09-05 06:15:00	11	25	36
2018-09-05 06:30:00	12	32	44
2018-09-05 06:45:00	20	26	46
2018-09-05 07:00:00	26	26	52
2018-09-05 07:15:00	28	61	89
2018-09-05 07:30:00	25	123	148
2018-09-05 07:45:00	34	120	154
2018-09-05 08:00:00	30	51	81
2018-09-05 08:15:00	17	35	52
2018-09-05 08:30:00	20	64	84
2018-09-05 08:45:00	35	64	99
2018-09-05 09:00:00	31	35	66
2018-09-05 09:15:00	46	51	97
2018-09-05 09:30:00	21	51	72
2018-09-05 09:45:00	39	47	86
2018-09-05 10:00:00	35	21	56
2018-09-05 10:15:00	17	32	49
2018-09-05 10:30:00	30	41	71
2018-09-05 10:45:00	69	56	125
2018-09-05 11:00:00	61	33	94
2018-09-05 11:15:00	30	27	57
2018-09-05 11:30:00	29	37	66
2018-09-05 11:45:00	49	44	93
2018-09-05 12:00:00	66	36	102
2018-09-05 12:15:00	70	35	105
2018-09-05 12:30:00	48	43	91
2018-09-05 12:45:00	64	36	100

Leg	North	South	Loc 6 Hwy 19 (Bowers Blvd) E of Montgomery Rd
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 13:00:00	64	34	98
2018-09-05 13:15:00	40	30	70
2018-09-05 13:30:00	41	38	79
2018-09-05 13:45:00	89	42	131
2018-09-05 14:00:00	78	46	124
2018-09-05 14:15:00	55	30	85
2018-09-05 14:30:00	45	36	81
2018-09-05 14:45:00	69	51	120
2018-09-05 15:00:00	83	40	123
2018-09-05 15:15:00	60	31	91
2018-09-05 15:30:00	72	45	117
2018-09-05 15:45:00	62	48	110
2018-09-05 16:00:00	50	50	100
2018-09-05 16:15:00	63	37	100
2018-09-05 16:30:00	99	39	138
2018-09-05 16:45:00	75	44	119
2018-09-05 17:00:00	123	47	170
2018-09-05 17:15:00	82	46	128
2018-09-05 17:30:00	74	57	131
2018-09-05 17:45:00	85	50	135
2018-09-05 18:00:00	67	39	106
2018-09-05 18:15:00	43	42	85
2018-09-05 18:30:00	53	30	83
2018-09-05 18:45:00	46	32	78
2018-09-05 19:00:00	56	25	81
2018-09-05 19:15:00	43	29	72
2018-09-05 19:30:00	58	24	82
2018-09-05 19:45:00	62	36	98
2018-09-05 20:00:00	45	25	70
2018-09-05 20:15:00	49	30	79
2018-09-05 20:30:00	54	29	83
2018-09-05 20:45:00	62	36	98
2018-09-05 21:00:00	51	43	94
2018-09-05 21:15:00	48	26	74
2018-09-05 21:30:00	28	14	42
2018-09-05 21:45:00	28	21	49
2018-09-05 22:00:00	30	22	52
2018-09-05 22:15:00	34	27	61
2018-09-05 22:30:00	27	13	40
2018-09-05 22:45:00	26	16	42
2018-09-05 23:00:00	22	16	38
2018-09-05 23:15:00	20	9	29
2018-09-05 23:30:00	14	10	24
2018-09-05 23:45:00	11	8	19
Grand Total	3434	2814	6248
% Approach			
% Total	55.0%	45.0%	
Motorcycles	9	7	16
% Motorcycles	0.3%	0.2%	0.3%
Lights	3390	2775	6165
% Lights	98.7%	98.6%	98.7%
Single-Unit Trucks	14	13	27

Leg	North	South	Loc 6 Hwy 19 (Bowers Blvd) E of Montgomery Rd
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
% Single-Unit Trucks	0.4%	0.5%	0.4%
Articulated Trucks	2	1	3
% Articulated Trucks	0.1%	0.0%	0.0%
Buses	13	10	23
% Buses	0.4%	0.4%	0.4%
Bicycles on Road	6	8	14
% Bicycles on Road	0.2%	0.3%	0.2%
Pedestrians			
% Pedestrians			
Bicycles on Crosswalk			
% Bicycles on Crosswalk			

Leg	Northbound University Ave	Southbound University Ave	Loc 7_University Ave between 10th St and 11th St
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 00:00:00	0	2	2
2018-09-05 00:15:00	0	3	3
2018-09-05 00:30:00	0	1	1
2018-09-05 00:45:00	1	0	1
2018-09-05 01:00:00	3	1	4
2018-09-05 01:15:00	0	1	1
2018-09-05 01:30:00	0	3	3
2018-09-05 01:45:00	1	0	1
2018-09-05 02:00:00	0	0	0
2018-09-05 02:15:00	1	1	2
2018-09-05 02:30:00	0	1	1
2018-09-05 02:45:00	0	0	0
2018-09-05 03:00:00	0	1	1
2018-09-05 03:15:00	0	0	0
2018-09-05 03:30:00	0	0	0
2018-09-05 03:45:00	1	0	1
2018-09-05 04:00:00	2	0	2
2018-09-05 04:15:00	0	0	0
2018-09-05 04:30:00	0	1	1
2018-09-05 04:45:00	0	1	1
2018-09-05 05:00:00	0	3	3
2018-09-05 05:15:00	0	1	1
2018-09-05 05:30:00	0	3	3
2018-09-05 05:45:00	2	2	4
2018-09-05 06:00:00	0	3	3
2018-09-05 06:15:00	1	1	2
2018-09-05 06:30:00	1	6	7
2018-09-05 06:45:00	7	8	15
2018-09-05 07:00:00	16	17	33
2018-09-05 07:15:00	22	28	50
2018-09-05 07:30:00	30	20	50
2018-09-05 07:45:00	27	21	48
2018-09-05 08:00:00	12	8	20
2018-09-05 08:15:00	16	4	20
2018-09-05 08:30:00	10	5	15
2018-09-05 08:45:00	14	11	25
2018-09-05 09:00:00	7	12	19
2018-09-05 09:15:00	9	10	19
2018-09-05 09:30:00	13	16	29
2018-09-05 09:45:00	14	10	24
2018-09-05 10:00:00	12	18	30
2018-09-05 10:15:00	10	15	25
2018-09-05 10:30:00	15	15	30
2018-09-05 10:45:00	14	10	24
2018-09-05 11:00:00	17	14	31
2018-09-05 11:15:00	13	23	36
2018-09-05 11:30:00	10	16	26
2018-09-05 11:45:00	9	26	35
2018-09-05 12:00:00	15	30	45
2018-09-05 12:15:00	13	31	44
2018-09-05 12:30:00	16	26	42
2018-09-05 12:45:00	18	15	33
2018-09-05 13:00:00	18	34	52
2018-09-05 13:15:00	24	18	42
2018-09-05 13:30:00	12	15	27

Leg	Northbound University Ave	Southbound University Ave	Loc 7_University Ave between 10th St and 11th St
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 13:45:00	8	18	26
2018-09-05 14:00:00	5	26	31
2018-09-05 14:15:00	7	24	31
2018-09-05 14:30:00	9	23	32
2018-09-05 14:45:00	11	22	33
2018-09-05 15:00:00	7	23	30
2018-09-05 15:15:00	7	22	29
2018-09-05 15:30:00	21	39	60
2018-09-05 15:45:00	18	32	50
2018-09-05 16:00:00	19	33	52
2018-09-05 16:15:00	5	24	29
2018-09-05 16:30:00	11	24	35
2018-09-05 16:45:00	9	34	43
2018-09-05 17:00:00	15	51	66
2018-09-05 17:15:00	16	43	59
2018-09-05 17:30:00	9	34	43
2018-09-05 17:45:00	2	23	25
2018-09-05 18:00:00	7	18	25
2018-09-05 18:15:00	7	15	22
2018-09-05 18:30:00	8	8	16
2018-09-05 18:45:00	6	13	19
2018-09-05 19:00:00	2	11	13
2018-09-05 19:15:00	3	6	9
2018-09-05 19:30:00	8	6	14
2018-09-05 19:45:00	4	14	18
2018-09-05 20:00:00	0	4	4
2018-09-05 20:15:00	2	9	11
2018-09-05 20:30:00	9	5	14
2018-09-05 20:45:00	2	7	9
2018-09-05 21:00:00	1	6	7
2018-09-05 21:15:00	0	5	5
2018-09-05 21:30:00	3	3	6
2018-09-05 21:45:00	2	1	3
2018-09-05 22:00:00	1	4	5
2018-09-05 22:15:00	2	5	7
2018-09-05 22:30:00	2	2	4
2018-09-05 22:45:00	1	7	8
2018-09-05 23:00:00	1	3	4
2018-09-05 23:15:00	2	1	3
2018-09-05 23:30:00	3	2	5
2018-09-05 23:45:00	2	1	3
Grand Total	683	1162	1845
% Approach			
% Total	37.0%	63.0%	
Motorcycles	3	6	9
% Motorcycles	0.4%	0.5%	0.5%
Lights	673	1147	1820
% Lights	98.5%	98.7%	98.6%
Single-Unit Trucks	3	4	7
% Single-Unit Trucks	0.4%	0.3%	0.4%
Articulated Trucks	0	0	0
% Articulated Trucks	0.0%	0.0%	0.0%
Buses	1	3	4
% Buses	0.1%	0.3%	0.2%
Bicycles on Road	3	2	5

Leg	Northbound University Ave	Southbound University Ave	Loc 7_University Ave between 10th St and 11th St
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
% Bicycles on Road	0.4%	0.2%	0.3%
Pedestrians			
% Pedestrians			
Bicycles on Crosswalk			
% Bicycles on Crosswalk			

Leg	Northbound Normal Park Dr	Southbound Normal Park Dr	Loc 8_Normal Park Dr N of 19th St
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 00:00:00	6	1	7
2018-09-05 00:15:00	8	2	10
2018-09-05 00:30:00	1	2	3
2018-09-05 00:45:00	4	1	5
2018-09-05 01:00:00	3	1	4
2018-09-05 01:15:00	1	0	1
2018-09-05 01:30:00	6	2	8
2018-09-05 01:45:00	1	0	1
2018-09-05 02:00:00	1	0	1
2018-09-05 02:15:00	1	0	1
2018-09-05 02:30:00	1	3	4
2018-09-05 02:45:00	2	0	2
2018-09-05 03:00:00	1	1	2
2018-09-05 03:15:00	1	0	1
2018-09-05 03:30:00	3	0	3
2018-09-05 03:45:00	1	1	2
2018-09-05 04:00:00	1	1	2
2018-09-05 04:15:00	1	2	3
2018-09-05 04:30:00	2	4	6
2018-09-05 04:45:00	5	1	6
2018-09-05 05:00:00	0	5	5
2018-09-05 05:15:00	0	3	3
2018-09-05 05:30:00	3	4	7
2018-09-05 05:45:00	3	3	6
2018-09-05 06:00:00	8	4	12
2018-09-05 06:15:00	8	5	13
2018-09-05 06:30:00	9	4	13
2018-09-05 06:45:00	22	6	28
2018-09-05 07:00:00	30	14	44
2018-09-05 07:15:00	53	21	74
2018-09-05 07:30:00	62	39	101
2018-09-05 07:45:00	56	48	104
2018-09-05 08:00:00	37	25	62
2018-09-05 08:15:00	32	22	54
2018-09-05 08:30:00	38	17	55
2018-09-05 08:45:00	36	19	55
2018-09-05 09:00:00	31	23	54
2018-09-05 09:15:00	29	38	67
2018-09-05 09:30:00	35	28	63
2018-09-05 09:45:00	36	37	73
2018-09-05 10:00:00	28	34	62
2018-09-05 10:15:00	32	34	66
2018-09-05 10:30:00	19	25	44
2018-09-05 10:45:00	22	24	46
2018-09-05 11:00:00	17	33	50
2018-09-05 11:15:00	51	23	74
2018-09-05 11:30:00	40	36	76
2018-09-05 11:45:00	42	40	82
2018-09-05 12:00:00	57	45	102
2018-09-05 12:15:00	55	34	89
2018-09-05 12:30:00	39	46	85
2018-09-05 12:45:00	50	56	106
2018-09-05 13:00:00	45	39	84
2018-09-05 13:15:00	53	40	93
2018-09-05 13:30:00	37	28	65
2018-09-05 13:45:00	50	47	97
2018-09-05 14:00:00	51	40	91
2018-09-05 14:15:00	48	37	85
2018-09-05 14:30:00	41	39	80

Leg	Northbound Normal Park Dr	Southbound Normal Park Dr	Loc 8_Normal Park Dr N of 19th St
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 14:45:00	46	37	83
2018-09-05 15:00:00	49	52	101
2018-09-05 15:15:00	55	47	102
2018-09-05 15:30:00	50	81	131
2018-09-05 15:45:00	46	51	97
2018-09-05 16:00:00	54	40	94
2018-09-05 16:15:00	57	43	100
2018-09-05 16:30:00	61	45	106
2018-09-05 16:45:00	55	44	99
2018-09-05 17:00:00	65	51	116
2018-09-05 17:15:00	67	47	114
2018-09-05 17:30:00	50	40	90
2018-09-05 17:45:00	60	28	88
2018-09-05 18:00:00	52	37	89
2018-09-05 18:15:00	40	21	61
2018-09-05 18:30:00	42	32	74
2018-09-05 18:45:00	42	17	59
2018-09-05 19:00:00	29	23	52
2018-09-05 19:15:00	33	22	55
2018-09-05 19:30:00	29	18	47
2018-09-05 19:45:00	38	15	53
2018-09-05 20:00:00	26	15	41
2018-09-05 20:15:00	39	17	56
2018-09-05 20:30:00	16	14	30
2018-09-05 20:45:00	19	13	32
2018-09-05 21:00:00	22	7	29
2018-09-05 21:15:00	10	9	19
2018-09-05 21:30:00	14	10	24
2018-09-05 21:45:00	10	5	15
2018-09-05 22:00:00	21	8	29
2018-09-05 22:15:00	10	5	15
2018-09-05 22:30:00	13	6	19
2018-09-05 22:45:00	10	1	11
2018-09-05 23:00:00	15	7	22
2018-09-05 23:15:00	7	1	8
2018-09-05 23:30:00	6	5	11
2018-09-05 23:45:00	3	7	10
Grand Total	2616	2008	4624
% Approach			
% Total	56.6%	43.4%	
Motorcycles	3	0	3
% Motorcycles	0.1%	0.0%	0.1%
Lights	2595	1991	4586
% Lights	99.2%	99.2%	99.2%
Single-Unit Trucks	14	10	24
% Single-Unit Trucks	0.5%	0.5%	0.5%
Articulated Trucks	2	3	5
% Articulated Trucks	0.1%	0.1%	0.1%
Buses	1	3	4
% Buses	0.0%	0.1%	0.1%
Bicycles on Road	1	1	2
% Bicycles on Road	0.0%	0.0%	0.0%
Pedestrians			
% Pedestrians			
Bicycles on Crosswalk			
% Bicycles on Crosswalk			

Leg	Eastbound Etheridge Blvd	Westbound Etheridge Blvd	Loc 9 Etheridge Blvd W of SBFR IH-45
Direction	Westbound	Eastbound	
Start Time	App Total	App Total	Int Total
2018-09-05 00:00:00	6	6	12
2018-09-05 00:15:00	2	2	4
2018-09-05 00:30:00	3	3	6
2018-09-05 00:45:00	2	1	3
2018-09-05 01:00:00	1	2	3
2018-09-05 01:15:00	1	1	2
2018-09-05 01:30:00	2	0	2
2018-09-05 01:45:00	1	0	1
2018-09-05 02:00:00	2	1	3
2018-09-05 02:15:00	1	0	1
2018-09-05 02:30:00	1	0	1
2018-09-05 02:45:00	0	0	0
2018-09-05 03:00:00	1	0	1
2018-09-05 03:15:00	0	0	0
2018-09-05 03:30:00	1	1	2
2018-09-05 03:45:00	1	1	2
2018-09-05 04:00:00	2	0	2
2018-09-05 04:15:00	3	0	3
2018-09-05 04:30:00	0	0	0
2018-09-05 04:45:00	6	0	6
2018-09-05 05:00:00	3	0	3
2018-09-05 05:15:00	4	1	5
2018-09-05 05:30:00	2	1	3
2018-09-05 05:45:00	7	0	7
2018-09-05 06:00:00	6	2	8
2018-09-05 06:15:00	11	1	12
2018-09-05 06:30:00	14	1	15
2018-09-05 06:45:00	18	2	20
2018-09-05 07:00:00	15	4	19
2018-09-05 07:15:00	17	5	22
2018-09-05 07:30:00	28	2	30
2018-09-05 07:45:00	50	13	63
2018-09-05 08:00:00	30	6	36
2018-09-05 08:15:00	19	5	24
2018-09-05 08:30:00	15	6	21
2018-09-05 08:45:00	30	8	38
2018-09-05 09:00:00	16	8	24
2018-09-05 09:15:00	28	10	38
2018-09-05 09:30:00	29	15	44
2018-09-05 09:45:00	35	8	43
2018-09-05 10:00:00	32	15	47
2018-09-05 10:15:00	30	22	52
2018-09-05 10:30:00	34	15	49
2018-09-05 10:45:00	32	19	51
2018-09-05 11:00:00	41	30	71
2018-09-05 11:15:00	37	19	56
2018-09-05 11:30:00	44	29	73
2018-09-05 11:45:00	40	27	67
2018-09-05 12:00:00	25	52	77
2018-09-05 12:15:00	50	30	80
2018-09-05 12:30:00	50	37	87
2018-09-05 12:45:00	50	28	78
2018-09-05 13:00:00	46	31	77
2018-09-05 13:15:00	47	34	81
2018-09-05 13:30:00	30	38	68
2018-09-05 13:45:00	23	21	44
2018-09-05 14:00:00	47	17	64
2018-09-05 14:15:00	37	36	73
2018-09-05 14:30:00	35	24	59

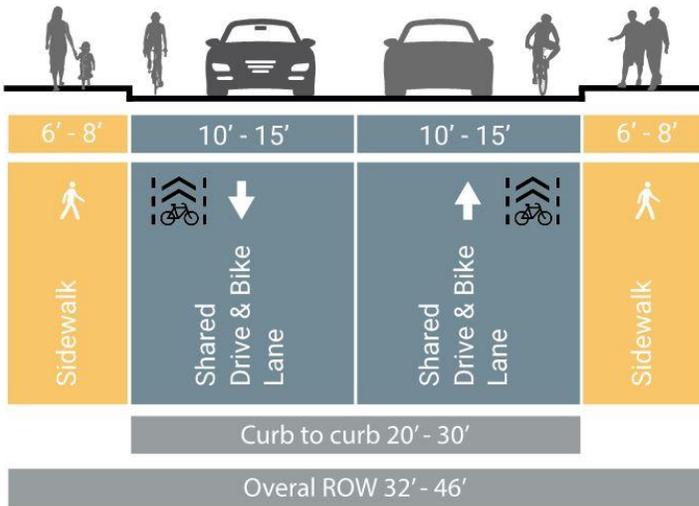
Leg	Eastbound Etheridge Blvd	Westbound Etheridge Blvd	Loc 9 Etheridge Blvd W of SBFR IH-45
Direction	Westbound	Eastbound	
Start Time	App Total	App Total	Int Total
2018-09-05 14:45:00	43	18	61
2018-09-05 15:00:00	38	24	62
2018-09-05 15:15:00	41	29	70
2018-09-05 15:30:00	39	16	55
2018-09-05 15:45:00	38	18	56
2018-09-05 16:00:00	38	32	70
2018-09-05 16:15:00	38	27	65
2018-09-05 16:30:00	43	31	74
2018-09-05 16:45:00	43	20	63
2018-09-05 17:00:00	53	63	116
2018-09-05 17:15:00	42	36	78
2018-09-05 17:30:00	41	31	72
2018-09-05 17:45:00	42	30	72
2018-09-05 18:00:00	46	20	66
2018-09-05 18:15:00	27	23	50
2018-09-05 18:30:00	28	18	46
2018-09-05 18:45:00	36	18	54
2018-09-05 19:00:00	27	25	52
2018-09-05 19:15:00	24	9	33
2018-09-05 19:30:00	27	17	44
2018-09-05 19:45:00	27	17	44
2018-09-05 20:00:00	32	15	47
2018-09-05 20:15:00	24	18	42
2018-09-05 20:30:00	19	17	36
2018-09-05 20:45:00	16	9	25
2018-09-05 21:00:00	17	4	21
2018-09-05 21:15:00	9	10	19
2018-09-05 21:30:00	12	3	15
2018-09-05 21:45:00	11	9	20
2018-09-05 22:00:00	12	9	21
2018-09-05 22:15:00	15	4	19
2018-09-05 22:30:00	15	1	16
2018-09-05 22:45:00	10	4	14
2018-09-05 23:00:00	6	8	14
2018-09-05 23:15:00	4	7	11
2018-09-05 23:30:00	6	7	13
2018-09-05 23:45:00	2	1	3
Grand Total	2134	1288	3422
% Approach			
% Total	62.4%	37.6%	
Motorcycles	2	1	3
% Motorcycles	0.1%	0.1%	0.1%
Lights	2100	1271	3371
% Lights	98.4%	98.7%	98.5%
Single-Unit Trucks	10	8	18
% Single-Unit Trucks	0.5%	0.6%	0.5%
Articulated Trucks	20	7	27
% Articulated Trucks	0.9%	0.5%	0.8%
Buses	1	0	1
% Buses	0.0%	0.0%	0.0%
Bicycles on Road	1	1	2
% Bicycles on Road	0.0%	0.1%	0.1%
Pedestrians			
% Pedestrians			
Bicycles on Crosswalk			
% Bicycles on Crosswalk			

Leg	Northbound Veterans Memorial Pkwy	Southbound Veterans Memorial Pkwy	Loc 10_Veterans Memorial Pkwy between Etheridge Blvd and Smither Dr
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 00:00:00	2	0	2
2018-09-05 00:15:00	9	2	11
2018-09-05 00:30:00	3	1	4
2018-09-05 00:45:00	3	0	3
2018-09-05 01:00:00	4	0	4
2018-09-05 01:15:00	1	0	1
2018-09-05 01:30:00	2	0	2
2018-09-05 01:45:00	0	1	1
2018-09-05 02:00:00	0	0	0
2018-09-05 02:15:00	5	1	6
2018-09-05 02:30:00	1	0	1
2018-09-05 02:45:00	1	2	3
2018-09-05 03:00:00	4	0	4
2018-09-05 03:15:00	2	1	3
2018-09-05 03:30:00	3	1	4
2018-09-05 03:45:00	0	1	1
2018-09-05 04:00:00	2	0	2
2018-09-05 04:15:00	3	2	5
2018-09-05 04:30:00	3	1	4
2018-09-05 04:45:00	4	1	5
2018-09-05 05:00:00	6	2	8
2018-09-05 05:15:00	6	2	8
2018-09-05 05:30:00	6	3	9
2018-09-05 05:45:00	20	6	26
2018-09-05 06:00:00	13	7	20
2018-09-05 06:15:00	11	11	22
2018-09-05 06:30:00	23	19	42
2018-09-05 06:45:00	31	18	49
2018-09-05 07:00:00	60	21	81
2018-09-05 07:15:00	73	28	101
2018-09-05 07:30:00	99	49	148
2018-09-05 07:45:00	108	71	179
2018-09-05 08:00:00	55	44	99
2018-09-05 08:15:00	40	32	72
2018-09-05 08:30:00	56	23	79
2018-09-05 08:45:00	72	26	98
2018-09-05 09:00:00	61	27	88
2018-09-05 09:15:00	69	37	106
2018-09-05 09:30:00	58	40	98
2018-09-05 09:45:00	84	35	119
2018-09-05 10:00:00	76	37	113
2018-09-05 10:15:00	88	29	117
2018-09-05 10:30:00	65	45	110
2018-09-05 10:45:00	90	42	132
2018-09-05 11:00:00	94	36	130
2018-09-05 11:15:00	117	29	146
2018-09-05 11:30:00	115	38	153
2018-09-05 11:45:00	98	46	144
2018-09-05 12:00:00	108	62	170
2018-09-05 12:15:00	140	45	185
2018-09-05 12:30:00	138	57	195
2018-09-05 12:45:00	148	41	189
2018-09-05 13:00:00	130	64	194
2018-09-05 13:15:00	116	49	165
2018-09-05 13:30:00	100	38	138
2018-09-05 13:45:00	101	49	150
2018-09-05 14:00:00	114	50	164
2018-09-05 14:15:00	102	51	153
2018-09-05 14:30:00	100	40	140
2018-09-05 14:45:00	114	45	159
2018-09-05 15:00:00	132	44	176
2018-09-05 15:15:00	109	56	165

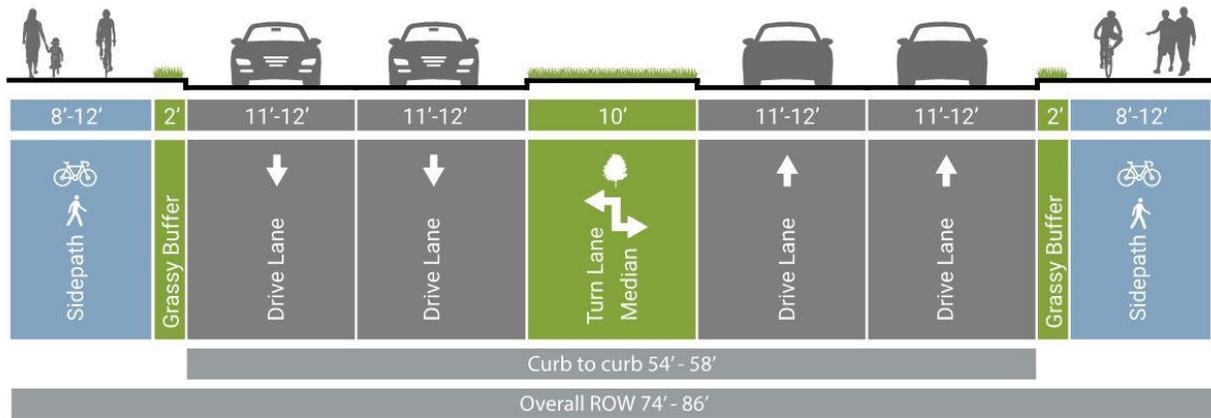
Leg	Northbound Veterans Memorial Pkwy	Southbound Veterans Memorial Pkwy	Loc 10_Veterans Memorial Pkwy between Etheridge Blvd and Smither Dr
Direction	Southbound	Northbound	
Start Time	App Total	App Total	Int Total
2018-09-05 15:30:00	99	57	156
2018-09-05 15:45:00	116	52	168
2018-09-05 16:00:00	133	56	189
2018-09-05 16:15:00	119	55	174
2018-09-05 16:30:00	132	61	193
2018-09-05 16:45:00	140	61	201
2018-09-05 17:00:00	145	120	265
2018-09-05 17:15:00	151	79	230
2018-09-05 17:30:00	115	60	175
2018-09-05 17:45:00	113	54	167
2018-09-05 18:00:00	115	58	173
2018-09-05 18:15:00	96	45	141
2018-09-05 18:30:00	80	44	124
2018-09-05 18:45:00	62	33	95
2018-09-05 19:00:00	82	31	113
2018-09-05 19:15:00	58	31	89
2018-09-05 19:30:00	43	18	61
2018-09-05 19:45:00	71	23	94
2018-09-05 20:00:00	72	29	101
2018-09-05 20:15:00	44	26	70
2018-09-05 20:30:00	45	24	69
2018-09-05 20:45:00	37	21	58
2018-09-05 21:00:00	29	10	39
2018-09-05 21:15:00	29	6	35
2018-09-05 21:30:00	16	13	29
2018-09-05 21:45:00	22	10	32
2018-09-05 22:00:00	18	6	24
2018-09-05 22:15:00	12	2	14
2018-09-05 22:30:00	13	6	19
2018-09-05 22:45:00	6	3	9
2018-09-05 23:00:00	10	4	14
2018-09-05 23:15:00	8	1	9
2018-09-05 23:30:00	10	4	14
2018-09-05 23:45:00	3	3	6
Grand Total	5642	2614	8256
% Approach			
% Total	68.3%	31.7%	
Motorcycles	9	7	16
% Motorcycles	0.2%	0.3%	0.2%
Lights	5589	2583	8172
% Lights	99.1%	98.8%	99.0%
Single-Unit Trucks	33	17	50
% Single-Unit Trucks	0.6%	0.7%	0.6%
Articulated Trucks	8	7	15
% Articulated Trucks	0.1%	0.3%	0.2%
Buses	3	0	3
% Buses	0.1%	0.0%	0.0%
Bicycles on Road	0	0	0
% Bicycles on Road	0.0%	0.0%	0.0%
Pedestrians			
% Pedestrians			
Bicycles on Crosswalk			
% Bicycles on Crosswalk			

Appendix B: Cross Sections

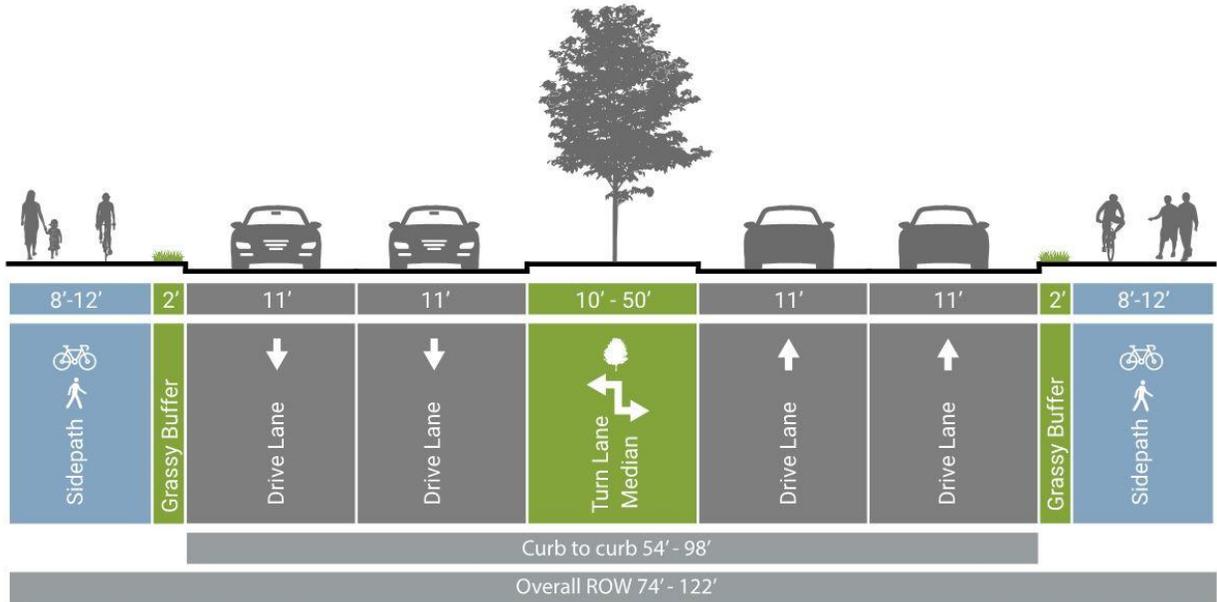
Neighborhood Bikeway



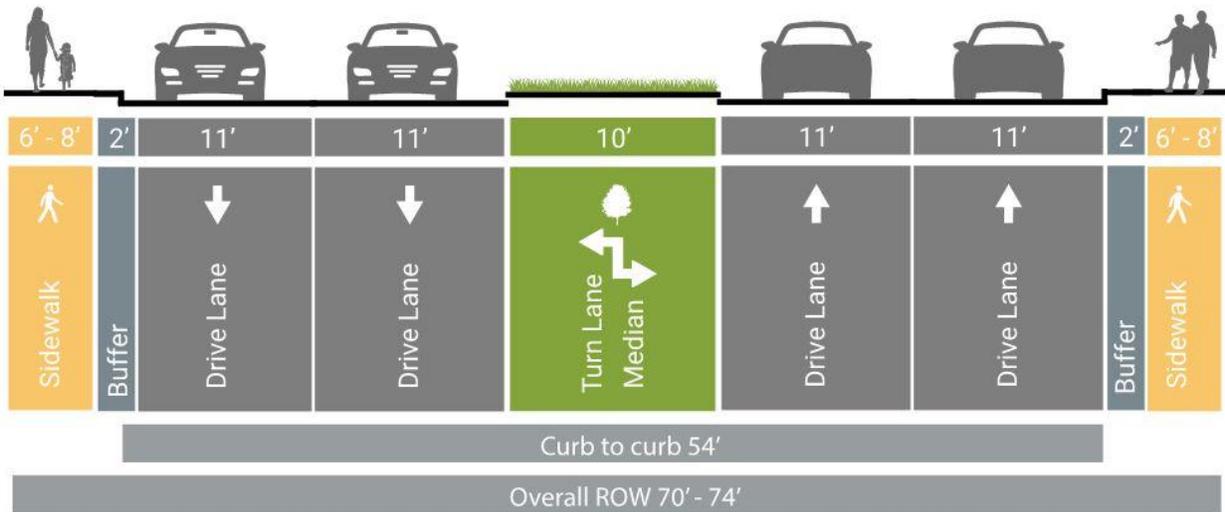
Four Lanes with Narrow Median and Sidepaths



Four Lanes with Wide Median and Sidepaths



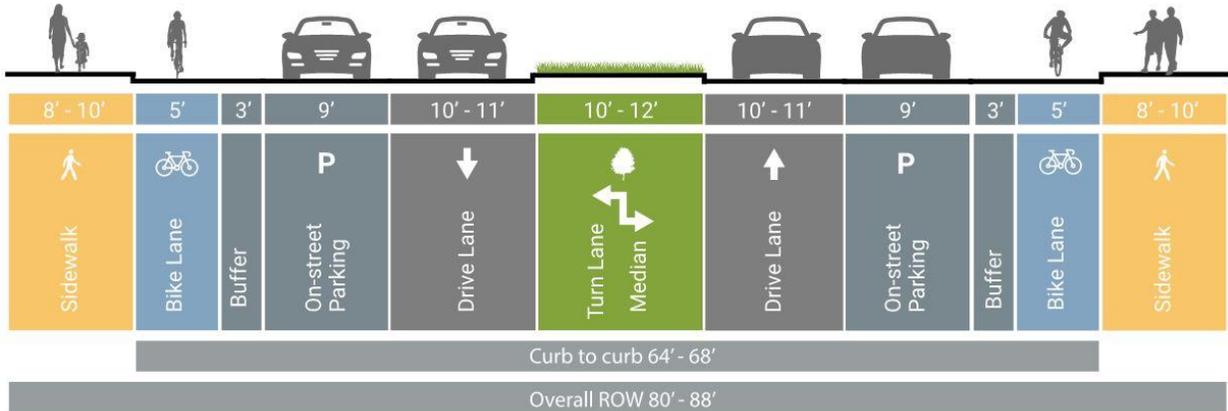
Four Lanes with Sidewalks



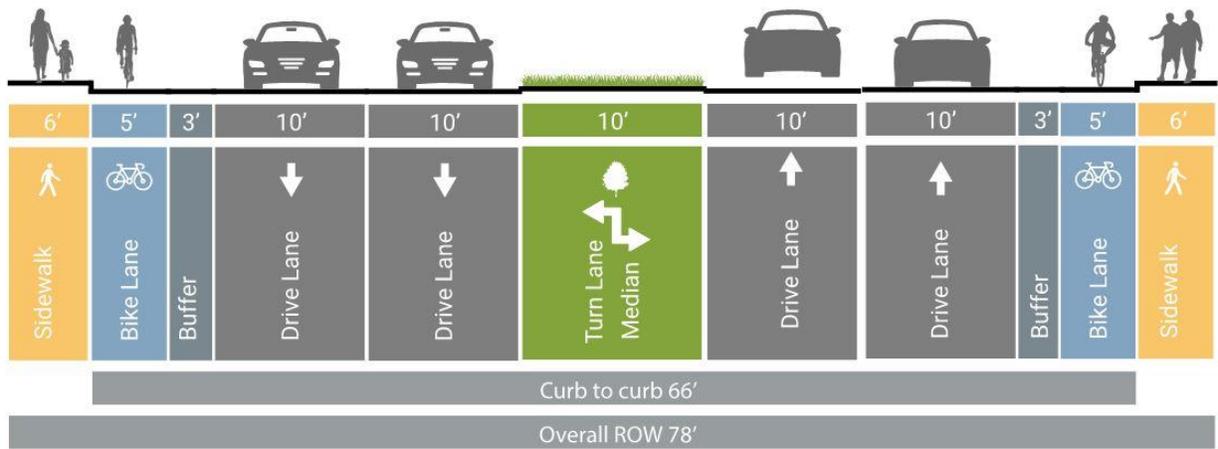
Two Lanes with One Bike Lane and Sidewalks



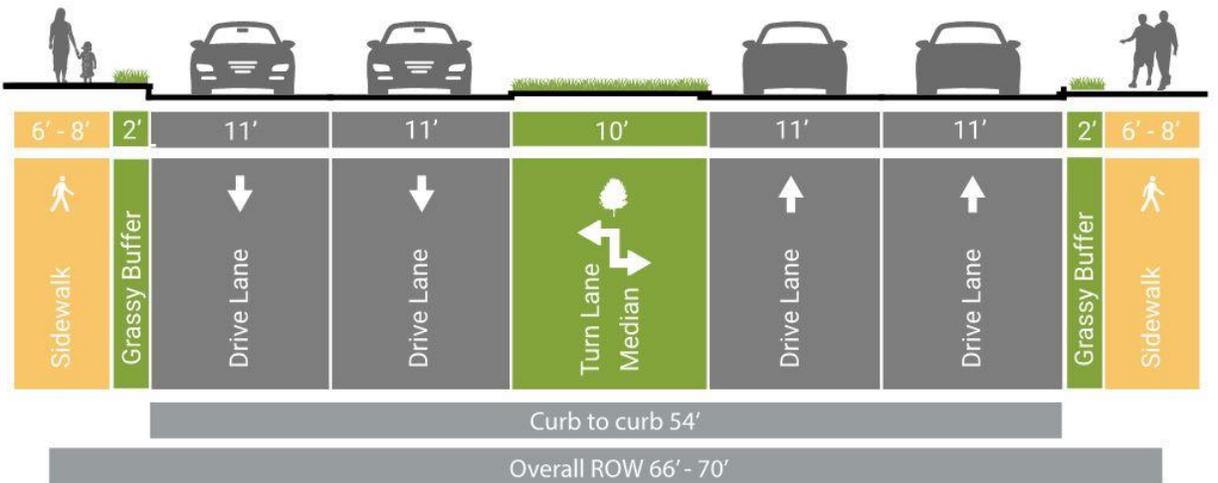
Two Lanes with Street Parking, Bike Lanes, and Sidewalks



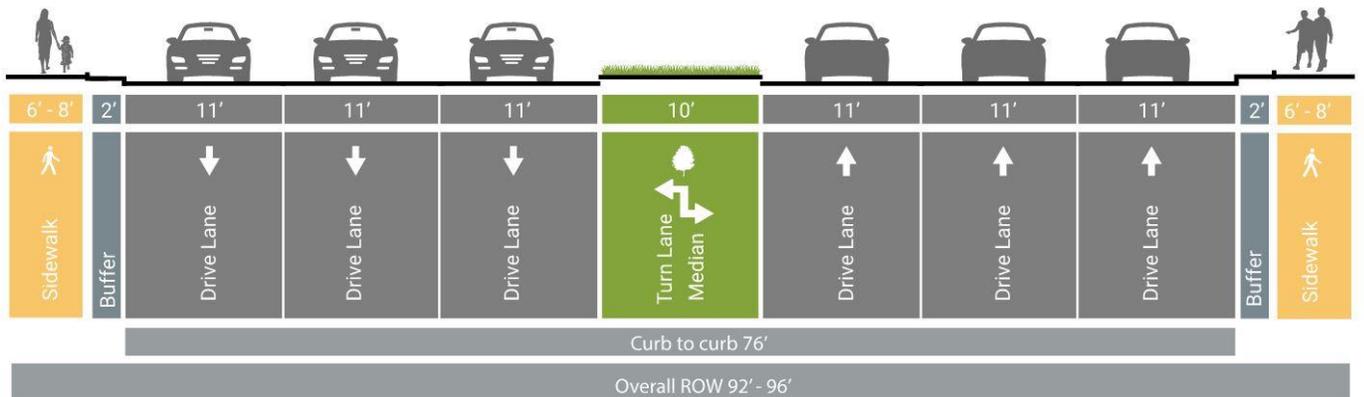
Four Lanes with Bike Lanes and Sidewalks



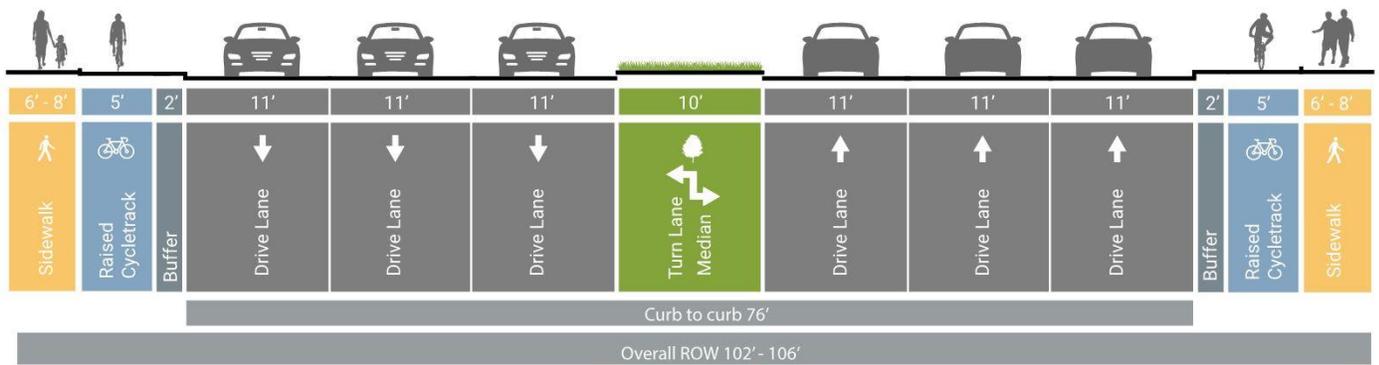
Four Lanes with Grassy Buffers and Sidewalks



Six Lanes with Sidewalks



Six Lanes with Raised Cycletracks and Sidewalks



**Appendix C:
Public Workshop Summary**



Transportation Master Plan Public Workshop Summary Report

GENERAL INFORMATION WORKSHOP OVERVIEW

Date and Time:

April 9, 2019, 5 p.m. – 7 p.m.

Location:

William Hodges Education Building
7600 State Highway 75 South
Huntsville, Texas 77340

Recorded Attendance: 25

Total Comments Received: 40



Public workshop attendees were invited to view the informational exhibits available, ask questions of the study team representatives present, and submit comments related to the TMP.



A study team representative assists a public workshop attendee with questions concerning the proposed Long-Term Projects included in the TMP.

On April 9, 2019, the City of Huntsville (City) conducted a public workshop for the City of Huntsville Transportation Master Plan (TMP). The purpose of the public workshop was to provide citizens the opportunity to participate in the City's 2017 Texas Community Development Block Grant project for the update of the TMP.

The goal of the TMP Update is to meet the future mobility needs for the City of Huntsville and to create a plan that encourages safe and efficient travel within and through the City for all modes of transportation. Citizens were encouraged to attend the workshop to present their views and provide input to the City regarding the TMP.

Noticing for the public workshop was issued via the following methods:

- Notice published in the *Huntsville Item* on Sunday, March 23, 2019
- Notices published on the City of Huntsville Facebook page on April 2, 2019, and April 8, 2019
- Flyers posted in City of Huntsville government buildings

The public workshop was conducted in an open house format. Attendees signed in at a registration table at the workshop entrance and received an informational project handout and comment form. Informational exhibits were available for public viewing, including a proposed Thoroughfare Plan, Transit Network Plan, Bike and Pedestrian Plan, and exhibits displaying Short-, Mid-, and Long-Term Projects. Project team representatives were also available to answer questions. A total of 25 citizens attended the public workshop.

PUBLIC COMMENTS

A total of 40 public comments were received as a result of the public workshop. Themes expressed in the public comments include the following:

- General support for public transportation and pedestrian/bike paths
- Opposition to Sumac Road, 16th Street, and 20th Street extensions
- Recommendations for traffic signalization
- Opposition to various proposed projects
- Safety concerns
- Recommendations for various improvements

ATTACHMENTS:

- Attachment 1: Public Workshop Notices
- Attachment 2: Public Workshop Collateral
- Attachment 3: Public Workshop Exhibits
- Attachment 4: Public Workshop Attendee Database
- Attachment 5: Scanned Attendee Cards
- Attachment 6: Public Workshop Comment Database
- Attachment 7: Scanned Public Workshop Comments
- Attachment 8: Public Workshop Photographs



Transportation Master Plan
Public Workshop Summary Report

ATTACHMENT 1:
Public Workshop Notices



Transportation Master Plan Public Workshop Summary Report

NOTICES

Public Notices/Legal

PUBLIC NOTICE

ORDINANCE NO. 2019-20

AN ORDINANCE OF THE CITY OF HUNTSVILLE, TEXAS, AMENDING THE 2018-2019 ANNUAL BUDGET AND CAPITAL IMPROVEMENTS PROJECTS (CIP) BUDGETS, ORDINANCE NO. 2018-36 TO AMEND ADOPTED EXPENDITURES OF THE BUDGET; AND DECLARING AN EFFECTIVE DATE. - Adopted and passed by the City Council of the City of Huntsville, Texas, on March 19, 2019. City Secretary Brenda Poe

3-22, 3-24

Public Notices/Legal

PUBLIC NOTICE

CITY OF HUNTSVILLE
TEXAS COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM
2017 Planning and Capacity Building Fund Project – Contract No. 7217094

The City of Huntsville will hold a public workshop from 5:00 p.m. to 7:00 p.m. on April 9, 2019 in the William Hodges Education Building at the Sam Houston Statue & Visitors Center, 7600 State Highway 75 South regarding the 2017 Texas Community Development Block Grant Program (TxCDBG) contract with the Texas Department of Agriculture – Office of Rural Affairs to perform planning activities regarding the update of the City's Master Transportation Plan.

The purpose of the workshop is to allow citizens the opportunity for participation in the City's 2017 TxCDBG project for the update of the Master Transportation Plan. All citizens are encouraged to attend the workshop to present their views and provide input to the City regarding the Master Transportation Plan. Citizens unable to attend this meeting may submit their views and/or proposals to Janet Ridley, City Planner, at 936-294-5781. Persons with disabilities, or that may require a translator, that wish to attend this meeting should contact the City Planning Division at 936-294-5782 at least two days before the workshop so that appropriate arrangements can be made.

NOTICIA PUBLICA
CIUDAD DE HUNTSVILLE
PROGRAMA DE OTORGAMIENTO DE EL DESARROLLO DE LA
COMUNIDAD DE TEXAS
2017 Proyecto de fondo de planificación y desarrollo de capacidades –
Contrato Un. 7217094

La ciudad de Huntsville tendrá un taller público de 5:00 p.m. a las 7:00 p.m. El 9 de abril de 2019, el Departamento de Agricultura de Texas (TxCDBG) tiene un contrato con el Departamento de Agricultura de Texas (TxCDBG) para la Carretera 75 de Desarrollo del Estado de Texas 2017 en el Centro de Estatuas de Sam Houston y Visitantes de Houston. Actividades serán realizadas de planificación relacionadas con la actualización del Plan Maestro de Transporte de la Ciudad.

El Plan Maestro para el proyecto TxCDBG 2017 es para el Plan Maestro de Transporte. Se alienta a todos los ciudadanos a asistir al taller para presentar sus puntos de vista y proporcionar información a la Ciudad con respecto al Plan Maestro de Transporte. Personas con discapacidad, o que requieran un traductor, pónganse en contacto con Janet Ridley, planificadora de la ciudad al 936-294-5781 de La División de Planificación de la Ciudad al 936-294-5782 al menos dos días antes del taller es para que se puedan hacer los arreglos apropiados.

3-24

Public Notices/Legal

PUBLIC NOTICE

ORDINANCE NO.

AN ORDINANCE OF THE CITY COUNCIL, TEXAS, AMENDING CHAPTER 44, TRAFFIC CODE OF THE CITY OF HUNTSVILLE, TEXAS, AMENDING CERTAIN SECTIONS AS SET OUT BELOW, MAKING OTHER FINDINGS AND PROVIDING FOR THE PUBLICATION AND ADOPTION OF THE ORDINANCE. Adopted and passed by the City Council on March 19, 2019. City Secretary Brenda Poe

Public Notices/Legal

NOTICE OF PUBLIC HEARING

On Monday, April 8, 2019 at 9:00 a.m. in the Walker County, Texas will hold a public hearing at the McFadden Pines Subdivision. The hearing will be held in the Commissioner's courtroom at the Walker County Courthouse, 1100 University Avenue.

You are hereby notified in accordance with the Texas Government Code that the County plans to hold a public hearing on the written documents may be examined and reviewed during normal business hours in the office of the County Clerk, Department located at 1313 University Avenue.

Public Notices/Legal

LEGAL NOTICE

It is the City of Huntsville's intent to accept Engineering Inspection Services. Invitation for Bids will be held at the office at 1212 Avenue M, Huntsville, TX 77302 at 2:00 p.m. Central Standard Time, Tuesday, April 2, 2019. It is to have Invitation for Bid packets at specified time. Bid packets will be publicly announced at City of Huntsville at 2:00 p.m. Central Standard Time, Tuesday, April 2, 2019. Bid packets may be obtained from the office of the City of Huntsville, Hwy 75 North, Huntsville, TX 77320 or at the website www.huntsvilletx.gov

Bid No.19-08 Plan Review and Inspection Services. Legal notice to appear March 17 and March 24, 2019.

Notice published in the *Huntsville Item* on Sunday, March 23, 2019



Transportation Master Plan Public Workshop Summary Report

 **City of Huntsville, TX - Government** added an event. April 2 at 7:31 PM · 🌐

The purpose of the workshop is to allow citizens the opportunity for participation in the City's 2017 TxCDBG project for the update of the Transportation Master Plan. All citizens are encouraged to attend the workshop to present their views and provide input to the City regarding the Transportation Master Plan. Citizens unable to attend this meeting may submit their views and/or proposals to City Planner Janet Ridley at 936-294-5781.



TUE, APR 9
Transportation Public Workshop
City of Huntsville, TX - Government · Huntsville
19 people interested

6

Like Comment

Write a comment...
Press Enter to post.

Notice published on the City of Huntsville Facebook page on April 2, 2019



Transportation Master Plan Public Workshop Summary Report

City of Huntsville, TX - Government
April 8 at 1:04 PM · 🌐

You're Invited!

**Transportation Master Plan
Public Workshop**
Tuesday, April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
Sam Houston Statue & Visitors Center
7600 State Highway 75 South
Huntsville, TX 77340

*Texas Community Development Block Grant Program (TxDBG)
2017 Planning and Capacity Building Fund Project – Contract No. 7217094*

The purpose of the workshop is to allow citizens the opportunity for participation in the City's 2017 TxDBG project for the update of the Transportation Master Plan. All Citizens are encouraged to attend the workshop to present their views and provide input to the City regarding the Transportation Master Plan.

Citizens unable to attend this meeting may submit their views and/or proposals to Janet Ridley, City Planner, at 936-294-5781. Persons with disabilities, or that may require a translator, that wish to attend this meeting should contact the City Planning Division at 936-294-5782 at least two days before the workshop so that appropriate arrangements can be made.

City of Huntsville, TX - Government ▶ Transportation Public Workshop
April 8 at 1:03 PM · 🌐 👍 Like Page

Notice published on City of Huntsville Facebook page on April 8, 2019



Transportation Master Plan Public Workshop Summary Report

You're Invited!

**Transportation Master Plan
Public Workshop**
Tuesday, April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
Sam Houston Statue & Visitors Center
7600 State Highway 75 South
Huntsville, TX 77340

*Texas Community Development Block Grant Program (TxDBG)
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Flyer posted in City of Huntsville government buildings



Transportation Master Plan
Public Workshop Summary Report

ATTACHMENT 2:
Public Workshop Collateral



Transportation Master Plan Public Workshop

ATTENDEE CARD
April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido _____

Mailing Address | Dirección de Envío _____

Email Address | Correo Electrónico _____

Affiliation | Afiliación _____

- How did you learn about this meeting?**
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - City Signage | Boletín entre ciudad
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)

- How would you prefer to receive information about the Plan?**
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - Mail | Correo
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)



Transportation Master Plan Public Workshop

ATTENDEE CARD
April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido _____

Mailing Address | Dirección de Envío _____

Email Address | Correo Electrónico _____

Affiliation | Afiliación _____

- How did you learn about this meeting?**
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - City Signage | Boletín entre ciudad
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)

- How would you prefer to receive information about the Plan?**
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - Mail | Correo
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)



April 9, 2019

TRANSPORTATION MASTER PLAN PUBLIC WORKSHOP

What is a Transportation Master Plan?

A **Transportation Master Plan (TMP)** defines goals and policies for growth and recommends transportation investments to prepare for future mobility needs of a community. It aims to meet ultimate build-out traffic demands and guide development to establish organized growth within the transportation network. The goal of this Transportation Master Plan Update is to meet the future mobility needs for the City of Huntsville and to create a plan that encourages safe and efficient travel within and through the city for all modes of transportation.

The TMP establishes the ultimate roadway network in the form of a **Thoroughfare Plan**, which is used to preserve adequate rights-of-way to meet future transportation needs for all modes including cars, pedestrians, cyclists and transit. The Thoroughfare Plan illustrates recommended roadway projects. The Plan also makes recommendations for improvements and widening of existing roads where additional capacity may be required due to projected increased traffic demand.

Construction of new roads and improvements is often determined based on need and funding. Final alignments and cross-sections of a project are determined during the planning process of the specific projects. The Thoroughfare Plan will serve as a roadmap to planners as they continue to build out the City's transportation network and is ***not necessarily a list of future projects.***



What is the Purpose of this Workshop?

The purpose of this workshop is to provide you with the opportunity to participate in the City's 2017 Texas Community Development Block Grant (TxCDBG) project for the update of the TMP. All Citizens are encouraged to attend the workshop to present their views and provide input to the City regarding the TMP.

We Want Your Feedback

You may participate in the development of the TMP by providing your feedback to the City. Citizens may submit their views and/or proposals to:

Janet Ridley, City Planner

448 SH 75 N

Huntsville, Texas 77320

936-294-5781

jridley@huntsvilletx.gov

Leigha Larkins, Planner

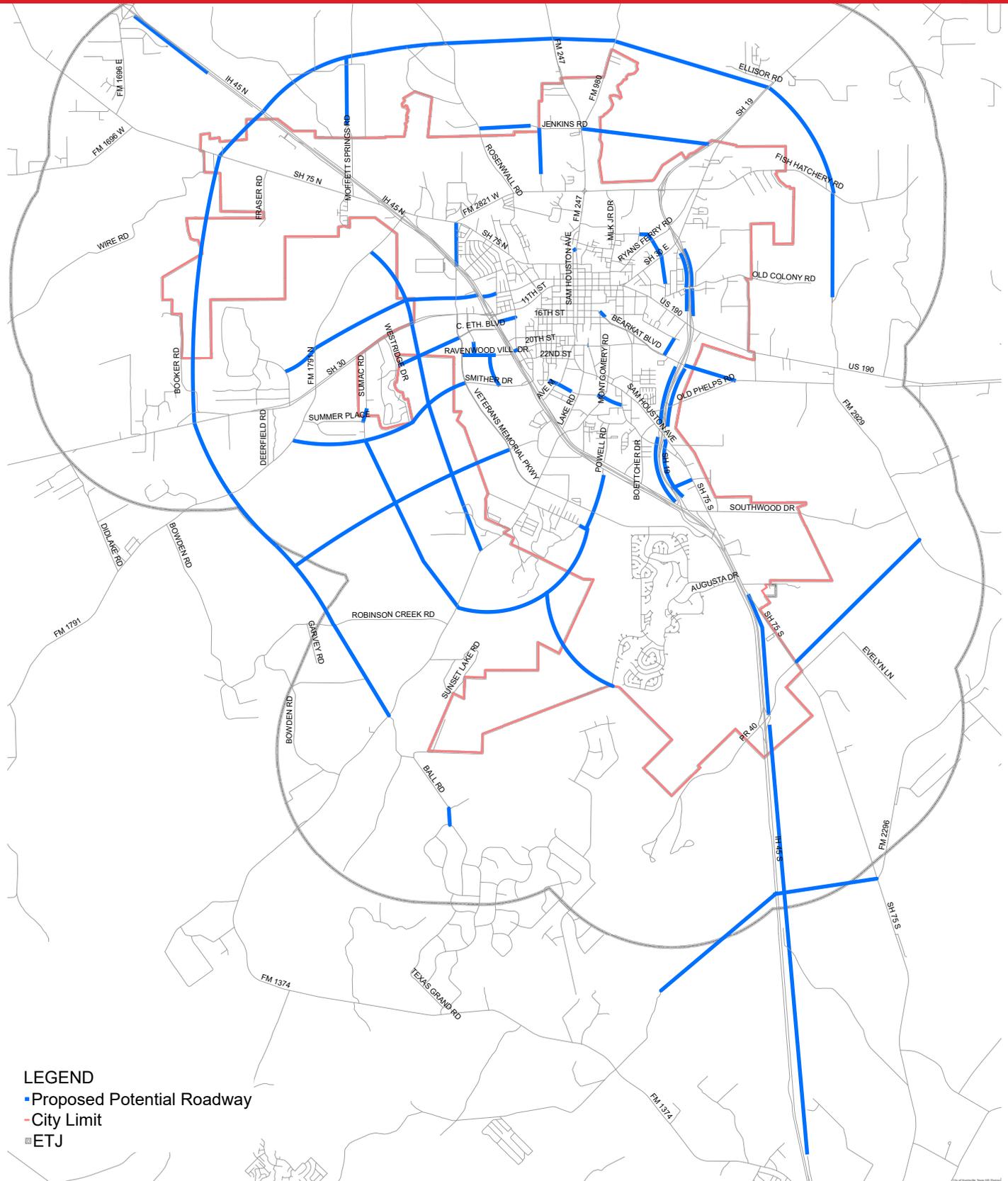
936-294-5782

llarkins@huntsvilletx.gov

Please provide feedback by **April 20, 2019** to be considered in the TMP.

CITY OF HUNTSVILLE PRELIMINARY TRANSPORTATION MASTER PLAN

This Preliminary Transportation Master Plan is **NOT** yet adopted and for discussion purposes only.



- LEGEND**
- Proposed Potential Roadway
 - City Limit
 - ETJ



**CITY OF HUNTSVILLE THOROUGHFARE PLAN:
PRELIMINARY DRAFT FOR DISCUSSION -
NOT YET ADOPTED**

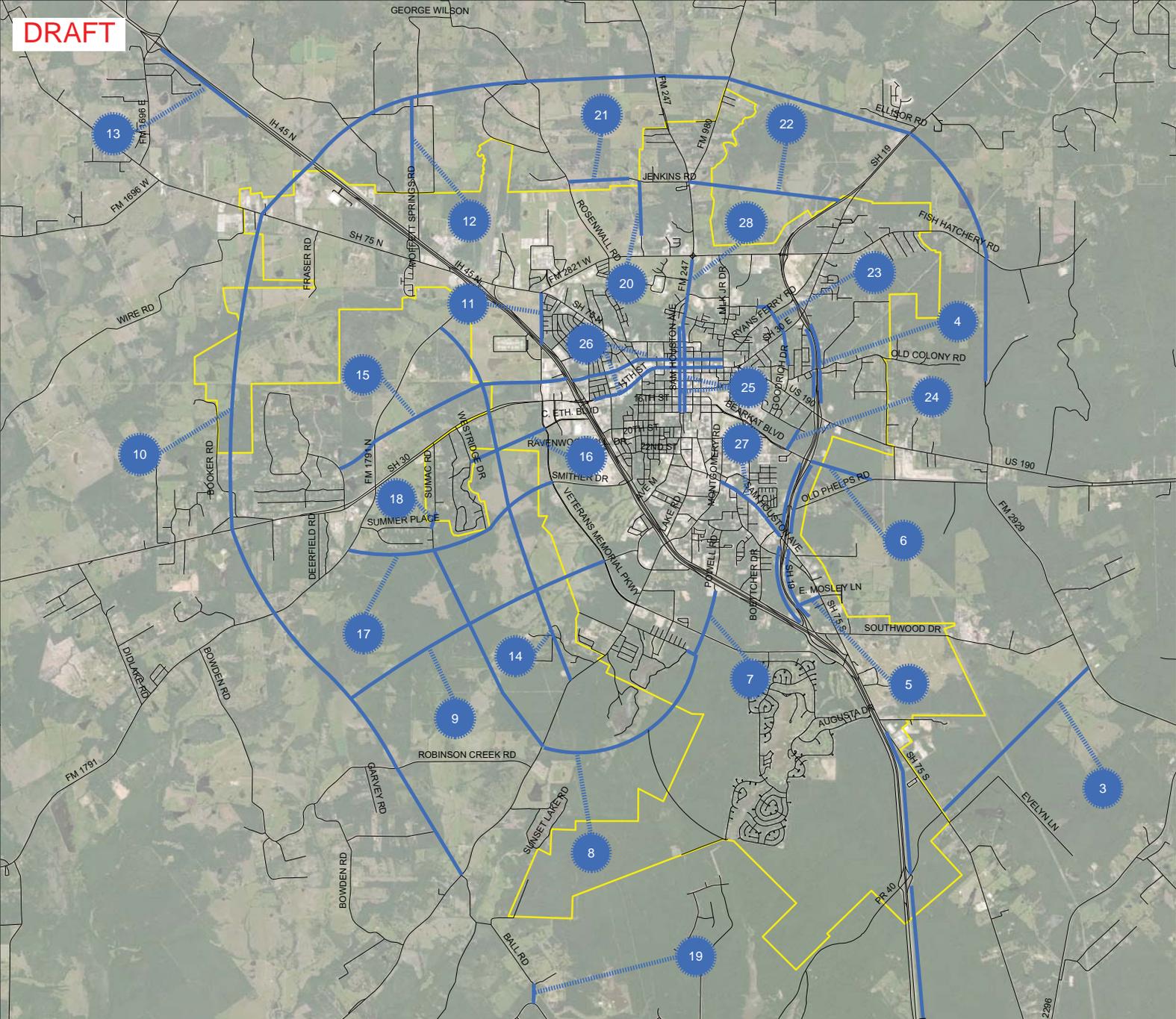
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MILES





Transportation Master Plan
Public Workshop Summary Report

ATTACHMENT 3:
Public Workshop Displays



Number	Project Description	Project Type	Cost Estimate as of 2019	Number	Project Description	Project Type	Cost Estimate as of 2019
1	Build IH 45 Northbound Frontage Roads from FM 1374 to SH 75	Extension	\$40,021,075	15	Parkwood St Extension from IH 45 to Timberwilde Way	Extension	\$17,972,679
2	Connect Stewart Rd to FM 2296 over IH 45	Extension	\$24,566,885	16	Colonel Etheridge Blvd Extension to Westridge Dr	Extension	\$6,216,630
3	Park Road 40 Extension from SH 75 to FM 2929	Extension	\$14,916,400	17	Smither Dr Extension from Veterans Memorial Pkwy to FM 1791	Extension	\$16,410,615
4	Build SH 19 Frontage Roads from IH 45 to SH 30	Extension	\$10,938,885	18	Sumac Rd Extension to Summer Pl	Extension	\$1,235,335
5	E Mosley Ln Extension to SH 19	Extension	\$1,932,065	19	Ball Rd Extension to Winchester Rd (Texas Grand Ranch)	Extension	\$1,338,361
6	Bearkat Blvd Extension to Old Phelps Rd	Extension	\$4,431,740	20	American Legion Dr Extension to Jenkins Rd	Extension	\$4,220,870
7	Powell Rd Extension from IH 45 to Veterans Memorial Pkwy	Extension	\$3,318,589	21	Jenkins Rd Extension to Rosenwall Rd	Extension	\$4,235,885
8	Sumac Rd Extension from Summer Pl St to Veterans Memorial Pkwy	Extension	\$30,760,735	22	Roadway Extension from FM 247 and FM 980 to SH 19	Extension	\$11,320,860
9	Woodward Dr Extension from Veterans Memorial Pkwy to Outer Loop	Extension	\$20,455,060	23	1st St Extension to Goodrich Dr	Extension	\$5,133,310
10	Outer Loop	Extension	\$124,614,975	24	Persimmon Dr Extension to Bear Kat Blvd	Extension	\$1,656,525
11	Veterans Memorial Pkwy Extension from IH 45 to FM 2821	Extension	\$3,950,710	25	Couplets: NORTH - SOUTH: Sam Houston Ave and University Ave (FM 247)	Couplet	N/A
12	Moffett Springs Rd Extension to Outer Loop	Extension	\$5,652,385	26	Couplets: EAST - WEST: 10th St and 11th St	Couplet	N/A
13	Southbound Frontage Road along IH 45 from Pinedale Rd to Existing Frontage Road	Extension	\$6,544,405	27	Sam Houston Ave Widening to Seven Lanes from Montgomery Rd to SH 19	Widening	\$8,604,843
14	Roadway Parallel to Veterans Memorial Pkwy from FM 1791 to Montgomery Rd	Extension	\$27,254,723	28	FM 247 Widening to Four Lanes from FM 2821 to 11th St	Widening	\$8,781,540

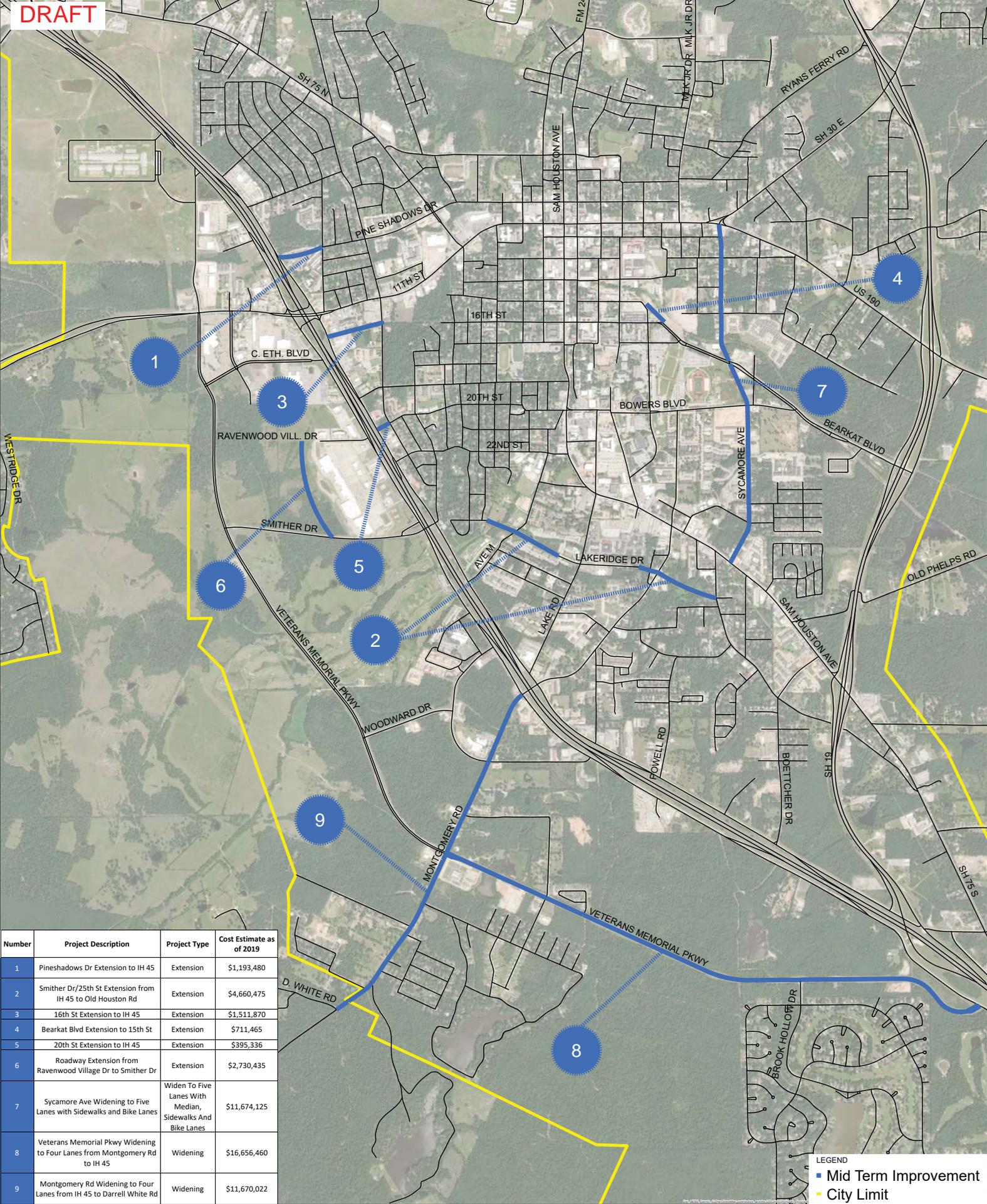
LEGEND
■ Long Term Improvement
■ City Limit



**CITY OF HUNTSVILLE TRANSPORTATION MASTER PLAN
 PROPOSED LONG TERM PROJECTS**

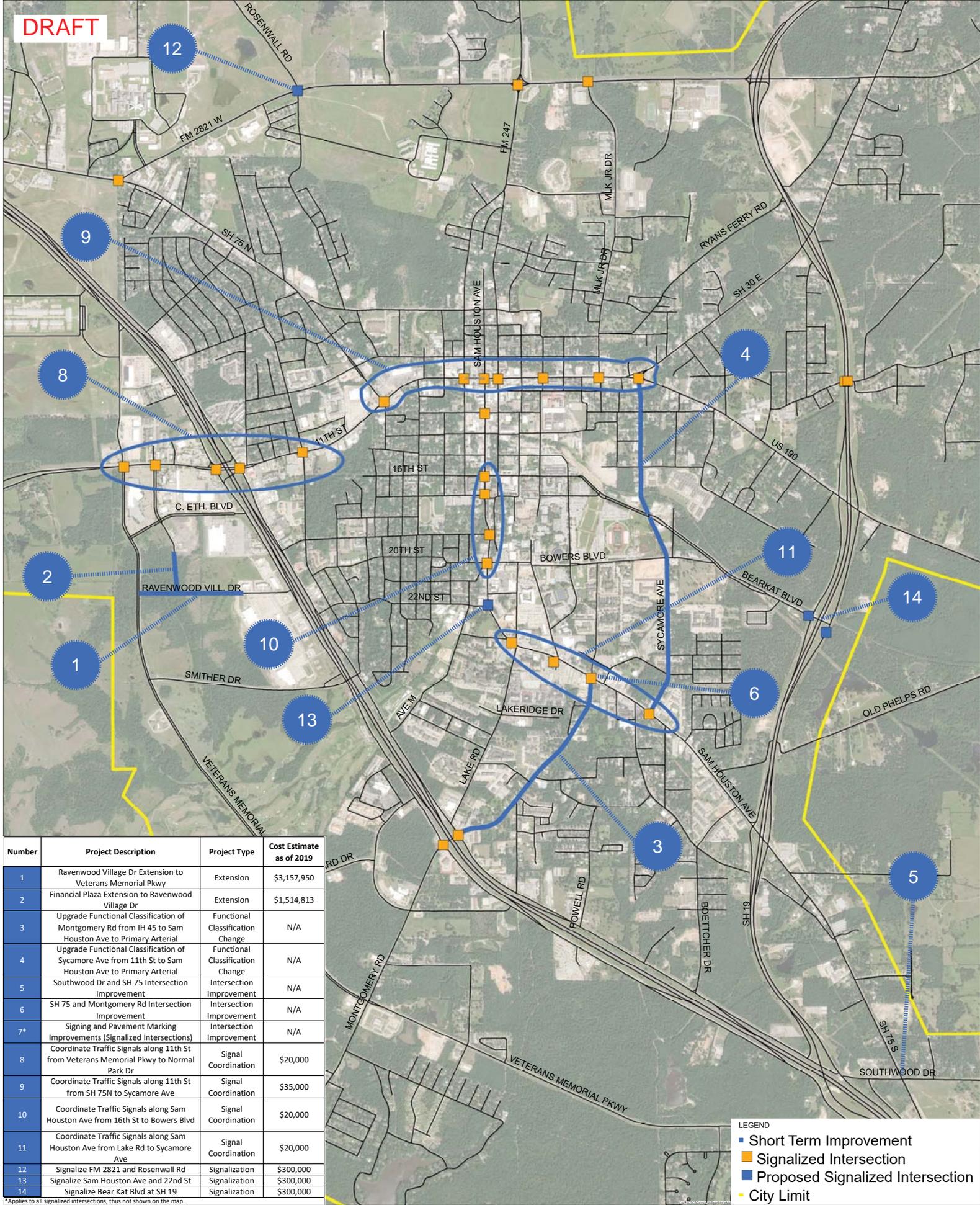
PRELIMINARY DRAFT FOR DISCUSSION - NOT YET ADOPTED





Number	Project Description	Project Type	Cost Estimate as of 2019
1	Pineshadows Dr Extension to IH 45	Extension	\$1,193,480
2	Smither Dr/25th St Extension from IH 45 to Old Houston Rd	Extension	\$4,660,475
3	16th St Extension to IH 45	Extension	\$1,511,870
4	Bearkat Blvd Extension to 15th St	Extension	\$711,465
5	20th St Extension to IH 45	Extension	\$395,336
6	Roadway Extension from Ravenwood Village Dr to Smither Dr	Extension	\$2,730,435
7	Sycamore Ave Widening to Five Lanes with Sidewalks and Bike Lanes	Widen To Five Lanes With Median, Sidewalks And Bike Lanes	\$11,674,125
8	Veterans Memorial Pkwy Widening to Four Lanes from Montgomery Rd to IH 45	Widening	\$16,656,460
9	Montgomery Rd Widening to Four Lanes from IH 45 to Darrell White Rd	Widening	\$11,670,022





*Applies to all signalized intersections, thus not shown on the map.

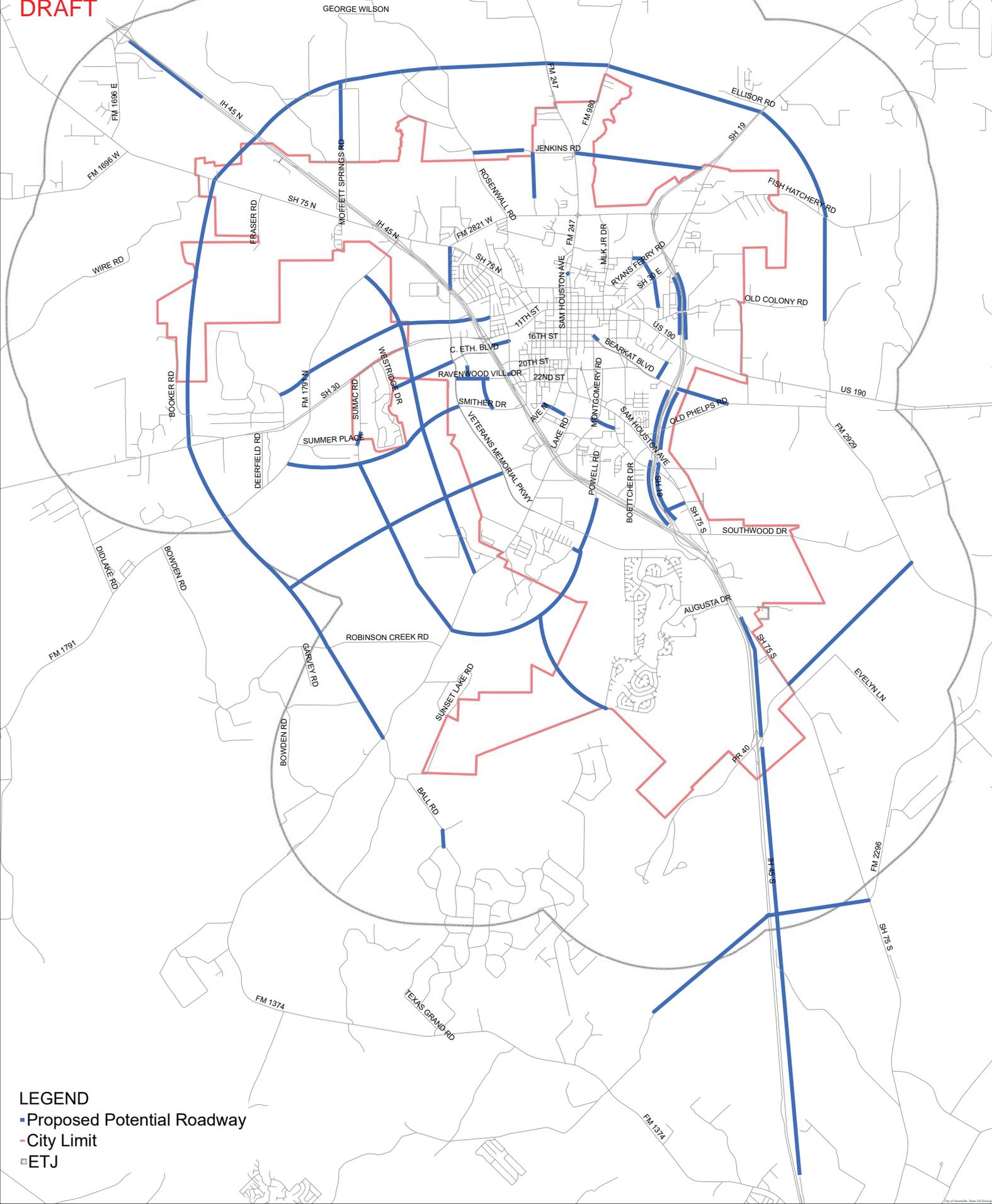
CITY OF HUNTSVILLE TRANSPORTATION MASTER PLAN
PROPOSED SHORT TERM PROJECTS

PRELIMINARY DRAFT FOR DISCUSSION - NOT YET ADOPTED



DRAFT

GEORGE WILSON



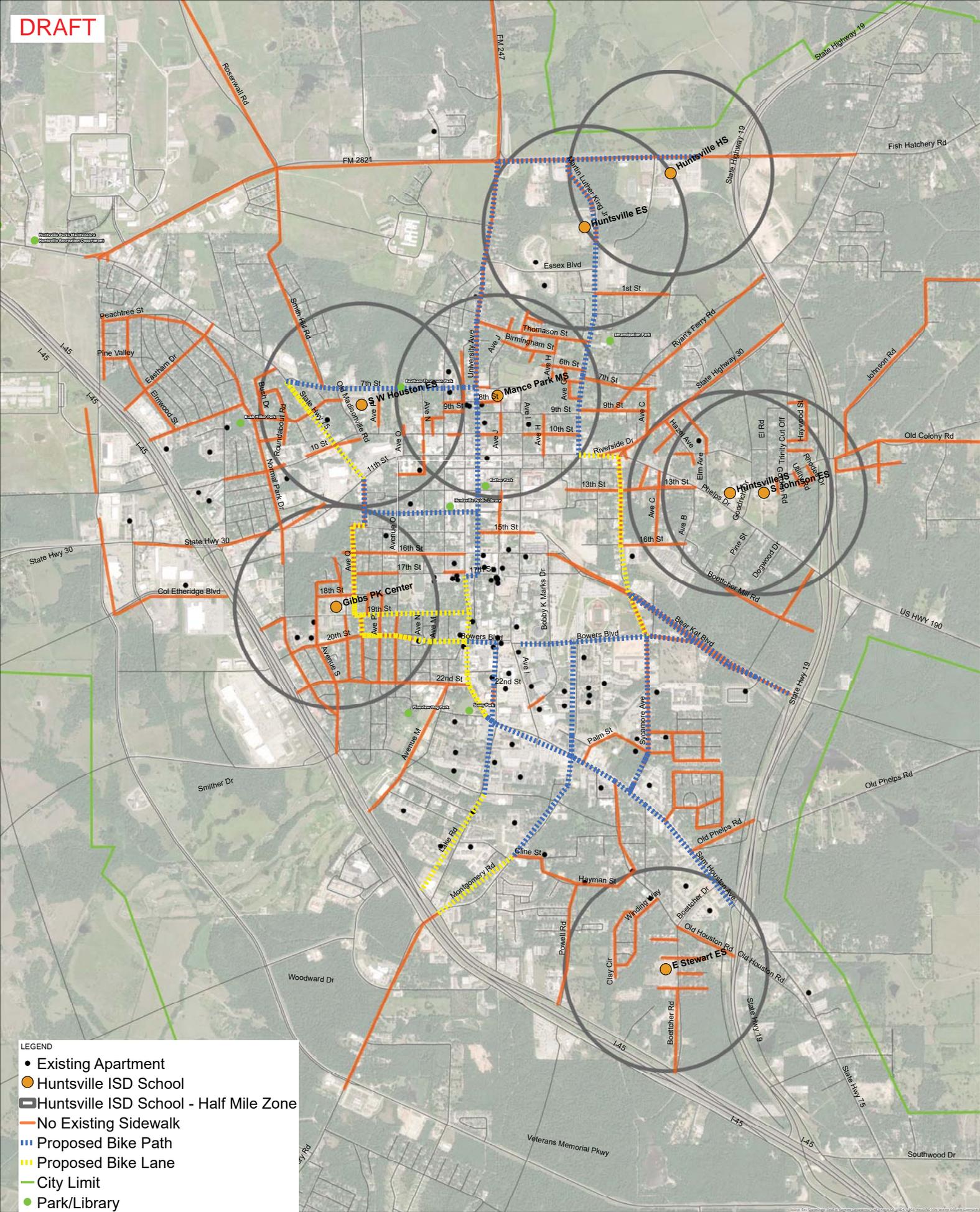
- LEGEND**
- Proposed Potential Roadway
 - City Limit
 - ETJ

**CITY OF HUNTSVILLE TRANSPORTATION MASTER PLAN
THOROUGHFARE PLAN**

PRELIMINARY DRAFT FOR DISCUSSION - NOT YET ADOPTED



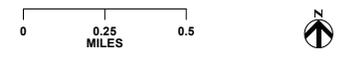
City of Huntsville, Texas GIS Council



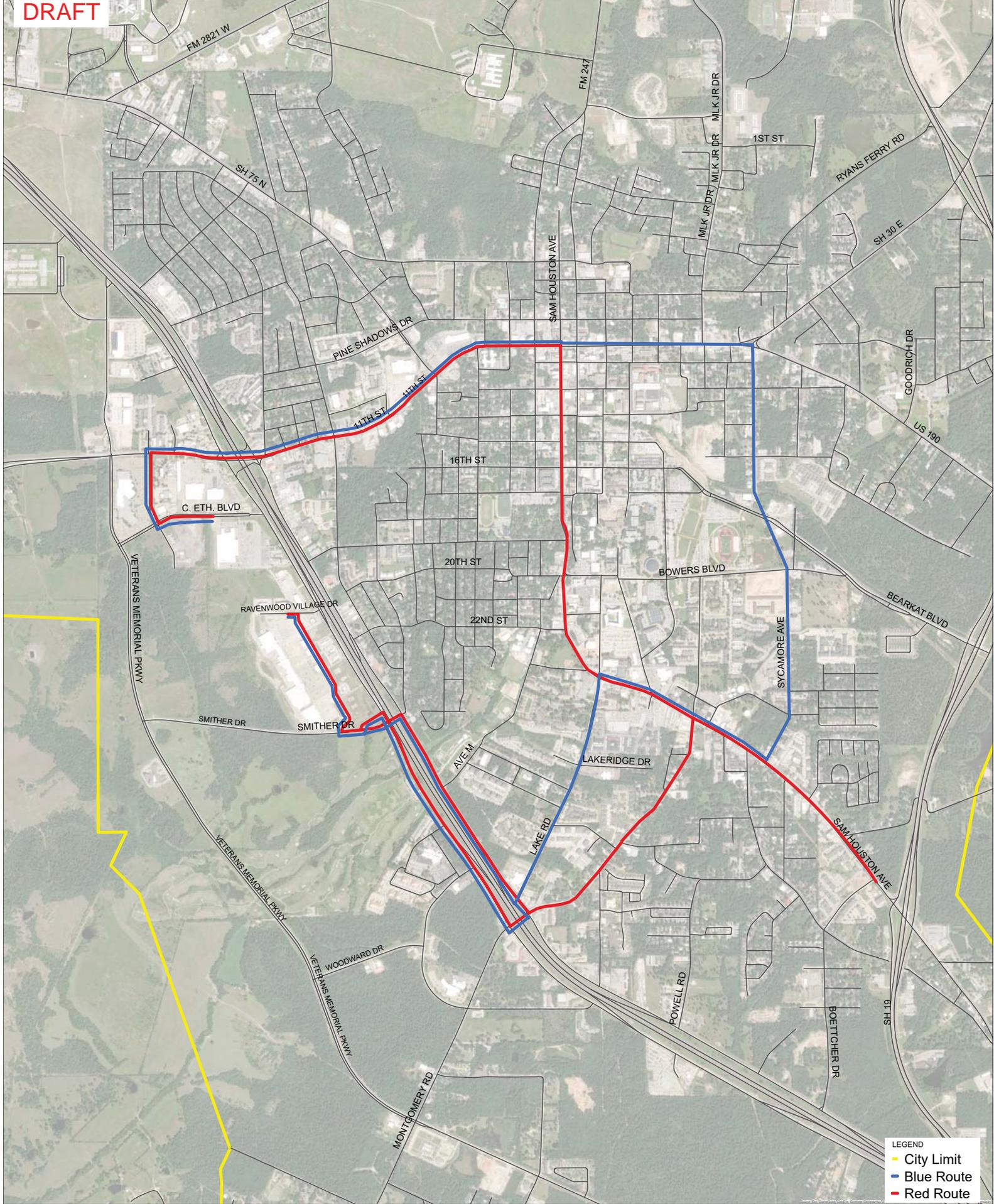
- LEGEND**
- Existing Apartment
 - Huntsville ISD School
 - ▭ Huntsville ISD School - Half Mile Zone
 - No Existing Sidewalk
 - ▬▬▬ Proposed Bike Path
 - ▬▬▬ Proposed Bike Lane
 - City Limit
 - Park/Library

**CITY OF HUNTSVILLE TRANSPORTATION MASTER PLAN
PROPOSED BIKE & PEDESTRIAN PLAN**

PRELIMINARY DRAFT FOR DISCUSSION - NOT YET ADOPTED



DRAFT



LEGEND

- City Limit
- Blue Route
- Red Route

**CITY OF HUNTSVILLE TRANSPORTATION MASTER PLAN
TRANSIT NETWORK MAP**

PRELIMINARY DRAFT FOR DISCUSSION - NOT YET ADOPTED





Transportation Master Plan
Public Workshop Summary Report

ATTACHMENT 4:
Public Workshop Attendee Database



Transportation Master Plan Public Workshop Attendee Database April 9, 2019

First Name	Last Name	Mailing Address	City	State	Zip	Email	Affiliation	Public Official Position	How did you learn about this workshop?	How would you like to receive information about the Plan?
Kristie	Hadnot	1212 Avenue M	Huntsville	TX	77340	khadnot@huntsvilletx.gov	City of Huntsville	No- Grants Manager	Other: Planning Commission	Email
Brenda	Poe	1212 Avenue M	Huntsville	TX	77340	bpoe@huntsvilletx.gov	COH	Yes- City Secretary	Website, City Signage, Email, Newspaper Notice	No thanks
Rachel	Kulhavy	1604 Avenue R	Huntsville	TX	77340	rachel3860@gmail.com	-	-	Website	Website
Bill	Daugette	165 Allen Road	Huntsville	TX	77320	bdaugette@gmail.com	-	Yes- Pct 3 Commissioner	Newspaper Notice	Email
Janice	Adams	2215 Normal Park Dr.	Huntsville	TX	77340	jzai@sbcglobal.net	Citizen	-	Newspaper Notice	Mail
Robert G	Cade	205 Cedar Hill Dr.	Huntsville	TX	77320	ricade@sbcglobal.net	-	-	Newspaper Notice	Email
Pamela	Miller	214 Holiday Villages	Point Blank	TX	77364	pamela7338@gmail.com	-	-	Other: Word of Mouth	Email
Mary	Vela Novark	PO Box 1072	Huntsville	TX	77342	-	Novark Business Services	Owner	Newspaper Notice	Newspaper Notice
Sharon	Lynch	2003 Avenue P	Huntsville	TX	77340	sharonalynch@sbcglobal.net	-	-	Email, Newspaper Notice	Email, Newspaper Notice
Taylor	Morrison	1908 Avenue Q	Huntsville	TX	77340	taylor.morrison@shsu.edu	SHSU Center for Community Engagement	No	Other: Facebook	Website, Email
Andy	Brauninger	City Hall or 448 SH 75N	Huntsville	TX	77320	abrauninger@huntsvilletx.gov	-	Yes- Mayor	City signage, Email, Newspaper Notice	Website
Paul	Davidhizar	132 Elkins Lake	Huntsville	TX	77340	pdavidhizar@gmail.com	?	Yes-Councilmember at Large Position 1	Email, Newspaper Notice	Website, Mail, Email, Newspaper Notice
Julie	Nelson	1526 Avenue O	Huntsville	TX	77340	-	Citizen	-	Email	Mail
Steven	Rapp	1526 Avenue O	Huntsville	TX	77340	-	-	No	Email	Mail
Brad	Warner	60 Tanglewood Drive	Huntsville	TX	77340	cbwarner@hotmail.com	-	-	Other	Email
Amy	Warner	60 Tanglewood Drive	Huntsville	TX	77340	cbwarner@hotmail.com	-	-	Other	Email
Jason	Carter	PO Box 1132	Latexo	TX	75849	carterja@vmcmail.com	Vulcan Materials Company	No	Facebook	Email
Ashton	Kosan	121 Spring Brook	Cibolo	TX	78108	kosana@umcmail.com	Vulcan Materials Company	No	Website	Email
Jace	Lee	580 IH-45N	Huntsville	TX	77340	jace.lee@txdot.gov	TxDOT	-	Other	Email
Martin	Malandro	331 Oak Lawn St.	Huntsville	TX	77340	-	SHSU	-	Website-Facebook post, Other: Word of Mouth	Website-Facebook
Daiquiri	Beebe	905 10th St.	Huntsville	TX	77340	bb@huntsvilletxrealtor.com	-	-	Other: Facebook	Website
Danny	Pierce	PO Box 1556	Huntsville	TX	77342	dpierce@co.walker.tx.us	-	Yes- Walker County Judge	Email	Mail, Email
Ken	Holland	279 Elkins Lake	Huntsville	TX	77340	ken.holland@unbc.net	-	Yes- HISD Board of Trustees	Website, City Signage, Newspaper Notice	Website, Email
Dan	Jones	1724 16th St.	Huntsville	TX	77340	-	Citizen	-	Newspaper Notice	Mail
Ed	Davis	2003 Avenue P	Huntsville	TX	77340	edsalpa@yahoo.com	-	-	Newspaper Notice	Mail



Transportation Master Plan
Public Workshop Summary Report

ATTACHMENT 5:
Scanned Attendee Cards



Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: Grants Manager

First and Last Name | Nombre y Apellido Kristie Hadnot

Mailing Address | Dirección de Envío 1212 Avenue M, Huntsville, TX 77340

Email Address | Correo Electrónico khadnot@huntsville.tx.gov

Affiliation | Afiliación City of Huntsville

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta
reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

Planning Commission

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan?
(Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)



Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: City Secretary

First and Last Name | Nombre y Apellido Brenola Poe

Mailing Address | Dirección de Envío 1212 Ave M Huntsville TX 77340

Email Address | Correo Electrónico bpoe@huntsville.tx.gov

Affiliation | Afiliación CoH

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta
reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan?
(Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

No thanks



Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Rachel Kuyfavy

Mailing Address | Dirección de Envío 1604 Ave. R

Email Address | Correo Electrónico rachel3860@gmail.com

Affiliation | Afiliación _____

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)



Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: Pct 3 Commissioner

First and Last Name | Nombre y Apellido BILL DAUGETTE

Mailing Address | Dirección de Envío 165 ALLEN ROAD

Email Address | Correo Electrónico bdaugette@gmail.com

Affiliation | Afiliación _____

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)



Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido JAVICE ADAMS

Mailing Address | Dirección de Envío 2215 Normal PK Dr.

Email Address | Correo Electrónico J2A1@SBCGlobal.net

Affiliation | Afiliación Citizen

- How did you learn about this meeting?**
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - City Signage | Boletín entre ciudad
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)

- How would you prefer to receive information about the Plan?**
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - Mail | Correo
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)



Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido ROBERT G CADE

Mailing Address | Dirección de Envío 205 CEDAR HILL DR

Email Address | Correo Electrónico R1CADE@SBCGLOBAL.NET

Affiliation | Afiliación _____

- How did you learn about this meeting?**
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - City Signage | Boletín entre ciudad
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)

- How would you prefer to receive information about the Plan?**
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - Mail | Correo
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)



Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Pamela Miller

Mailing Address | Dirección de Envío 214 Holiday Villages, PointBlank TX 77364

Email Address | Correo Electrónico pamela7338@gmail.com

Affiliation | Afiliación _____

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

word of mouth

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)



Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: OWNER

First and Last Name | Nombre y Apellido MARY VELA NOVARK

Mailing Address | Dirección de Envío PO Box 1072 HUNTSVILLE TX

Email Address | Correo Electrónico N/A 77342

Affiliation | Afiliación NOVARK BUSINESS SERVICES

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

936/291-6754



Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Sharon Lynch

Mailing Address | Dirección de Envío 2003 Avenue P Huntsville Tx 77340

Email Address | Correo Electrónico sharonalynch@sbcglobal.net

Affiliation | Afiliación _____

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
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William Hodges Education Building
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Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Taylor Morrison

Mailing Address | Dirección de Envío 1908 Avenue Q Huntsville, TX 77340

Email Address | Correo Electrónico taylor.morrison@shsn.edu

Affiliation | Afiliación SHSN Center for Community Engagement

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

Facebook

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
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Transportation Master Plan Public Workshop

ATTENDEE CARD

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William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: MAYOR

First and Last Name | Nombre y Apellido Andy BRAUNINGER

Mailing Address | Dirección de Envío City Hall on 448 SH 75N, Huntsville, Tx 77320

Email Address | Correo Electrónico abrauninger@huntsvilletx.gov

Affiliation | Afiliación _____

- How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - City Signage | Boletín entre ciudad
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)

- How would you prefer to receive information about the Plan?
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- Website | Sitio de Web
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Transportation Master Plan Public Workshop

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William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: Council member at large

First and Last Name | Nombre y Apellido Paul Davidhizar

Mailing Address | Dirección de Envío 132 Elkins Lake

Email Address | Correo Electrónico p davidhizar@gmail.com

Affiliation | Afiliación ?

- How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - City Signage | Boletín entre ciudad
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)

- How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - Mail | Correo
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Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Jillie Nelson

Mailing Address | Dirección de Envío 1526 Ave O 77340

Email Address | Correo Electrónico _____

Affiliation | Afiliación Citizen

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
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- Newspaper Notice | Aviso Periódico
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ATTENDEE CARD

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William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Stephen Rapp

Mailing Address | Dirección de Envío 1526 Avenue O Huntsville 77340

Email Address | Correo Electrónico _____

Affiliation | Afiliación _____

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the Plan?
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- Website | Sitio de Web
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Transportation Master Plan Public Workshop

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William Hodges Education Building
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Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Brad & Amy Warner

Mailing Address | Dirección de Envío 60 Tanglewood Drive Huntsville, TX

Email Address | Correo Electrónico cbwarner@hotmail.com

Affiliation | Afiliación _____

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta
reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan?
(Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
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Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido JASON CARTER

Mailing Address | Dirección de Envío PO Box 1132 LATEXO, TX 75849

Email Address | Correo Electrónico Carterja@vmcmail.com

Affiliation | Afiliación VULCAN MATERIALS COMPANY

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta
reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan?
(Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

FACEBOOK



Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Asmaa Kosan

Mailing Address | Dirección de Envío 121 Citrus tx 78108

Email Address | Correo Electrónico Kosana@umcmail.com

Affiliation | Afiliación Dulcan medical company

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
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Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido JACE LEE

Mailing Address | Dirección de Envío 580 IH 45N HUNTSVILLE, TX

Email Address | Correo Electrónico JACE.LEE@txdot.gov

Affiliation | Afiliación TXDOT

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the Plan?
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- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
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- Other (Please explain) | Otros (Por favor explique)



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Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Martin Malandro

Mailing Address | Dirección de Envío 331 Oak Lawn St, Huntsville TX 77340

Email Address | Correo Electrónico _____

Affiliation | Afiliación SMSU

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web - Facebook post
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

Word of mouth

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)

- Website | Sitio de Web - Facebook
- Mail | Correo
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)



Transportation Master Plan Public Workshop

ATTENDEE CARD

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William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Daquiri Beebe

Mailing Address | Dirección de Envío 905 10th St, Huntsville, TX

Email Address | Correo Electrónico bb@huntsvilletxrealtor.com

Affiliation | Afiliación _____

How did you learn about this meeting?
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- City Signage | Boletín entre ciudad
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)

Facebook

How would you prefer to receive information about the Plan?
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)

- Website | Sitio de Web
- Mail | Correo
- Email | Correo electrónico
- Newspaper Notice | Aviso Periódico
- Other (Please explain) | Otros (Por favor explique)



Transportation Master Plan Public Workshop

ATTENDEE CARD

April 9, 2019, 5 p.m. – 7 p.m.
William Hodges Education Building
7600 State Highway 75 South
Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: Walker Co. Judge

First and Last Name | Nombre y Apellido Danny Pierce

Mailing Address | Dirección de Envío P.O. Box 1556 Huntsville TX 77342

Email Address | Correo Electrónico dpierce@co.walker.tx.us

Affiliation | Afiliación _____

- How did you learn about this meeting?**
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - City Signage | Boletín entre ciudad
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)

- How would you prefer to receive information about the Plan?**
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - Mail | Correo
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)



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William Hodges Education Building
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Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: HISD Board of Trustees

First and Last Name | Nombre y Apellido Ken Holland

Mailing Address | Dirección de Envío 279 Elkins Lane Huntsville, Tx 77340

Email Address | Correo Electrónico ken.holland@unbc.net

Affiliation | Afiliación _____

- How did you learn about this meeting?**
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - City Signage | Boletín entre ciudad
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)

- How would you prefer to receive information about the Plan?**
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - Mail | Correo
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Transportation Master Plan Public Workshop

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Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Dan Jones

Mailing Address | Dirección de Envío 1724 16th St. Huntsville

Email Address | Correo Electrónico _____

Affiliation | Afiliación citizen

- How did you learn about this meeting?**
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - City Signage | Boletín entre ciudad
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)

- How would you prefer to receive information about the Plan?**
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - Mail | Correo
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)



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ATTENDEE CARD

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Huntsville, TX 77340

Are you a public official? | ¿Es usted un funcionario público? NO | No YES | Si - Position | Posición: _____

First and Last Name | Nombre y Apellido Ed Davis

Mailing Address | Dirección de Envío 2003 Ave Huntsville TX 77340

Email Address | Correo Electrónico edrdavis@yahoo.com

Affiliation | Afiliación _____

- How did you learn about this meeting?**
(Select all that apply) | ¿Como aprendió usted sobre esta reunión? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - City Signage | Boletín entre ciudad
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)

- How would you prefer to receive information about the Plan?**
(Select all that apply) | ¿Cómo prefiere recibir información sobre este plan? (Seleccione todo lo que aplique)
- Website | Sitio de Web
 - Mail | Correo
 - Email | Correo electrónico
 - Newspaper Notice | Aviso Periódico
 - Other (Please explain) | Otros (Por favor explique)



Transportation Master Plan
Public Workshop Summary Report

ATTACHMENT 6:
Public Workshop Comment Database



**Transportation Master Plan
Public Workshop Comment Database
April 9, 2019**

First Name	Last Name	Affiliation	Address	City	State	Zip Code	Email	How did you learn about this workshop?	Input Type	Comment	Response
Julie	Nelson	Citizen	1526 Avenue O	Huntsville	TX	77340	-	Email	Comment Form	<p>Appreciate the increased pedestrian and bikeways- need them to go into SHSU campus. Seems like bus lines should go a bit more into university campus and down MLK. Need to address traffic light and 4-way stop on Smither Bridge. Need to add additional 4-way stops at the light on Avenue O for traffic calming. More and more highspeed traffic using this as a cut through. Like the idea of couplets on some of the major bus streets for less traffic, better turning and safer pedestrian zone. Better pedestrian crossings at multiple university entrances. Large university lots outside of downtown/Avenues for student parking with shuttles. Against extension of 20th street-both because of increasing traffic flow through the residential areas of avenues and because of danger of short runway for cars to merge right to turn onto that road. Appreciate the syncing of lights through town. Like the addition of traffic signal at Sam Houston at 22nd Street-needs large pedestrian crosswalk there. Love the adding of additional sidewalks where missing. Have apartment shuttle busses removed from residential streets- requires them to drive on primary thoroughfares.</p>	-
Stephen	Rapp	-	1526 Avenue O	Huntsville	TX	77340	-	Email	Comment Form	<p>Any extensions, widening and new construction that encourages more traffic (especially commercial, shuttles) into the Avenues- BAD, BAD, BAD! Quality, large, clearly marked PEDESTRIAN CROSSINGS needed on main roads around university desperately needed. New bus lines should also emphasize SHSU stops. Discourage if not ban outright - apartment complex shuttle busses especially in residential neighborhoods. Need a 4-lane crossing across I-45 to link Target shopping center with extreme N or S of town but not to the Avenues. Good idea for couplet on Sam Houston & University. Don't extend 20 m to I-45. More misery/danger for the Avenues!! 4-way stops needed on Ave. O. Big problem with speeders. Extremely unsafe for residents and pedestrians. Police are aware and equally frustrated. Again: Protect your residential areas! Curtail volumn of traffic in Avenues. Incorporate more speed control mechanisms. Excellent idea for bike lanes and paths. Make sure to extend to SHSU!</p>	-
Martin	Malandro	SHSU	331 Oak Lawn	Huntsville	TX	77340	-	Facebook post	Comment Form	<p>I think the proposed extension of 20th St. to I-45 would be very dangerous. Consider traffic exiting I-45 at exit 116 who want to turn right onto 20th St. There is not enough room or time for fast-moving traffic from I-45 to safely enter the right lane and make the turn onto 20th St., but people will try and will cause accidents.</p>	-
Sharon	Lynch	-	2003 Avenue P	Huntsville	TX	77340	sharonalynch@sbcglobal.net	Newspaper Notice, Email	Comment Form	<p>Please do NOT put 25th St. through to connect Smither Bridge to Lake Rd and Montgomery. This damages the character of the Avenues and Robinson Way. Avoid putting streets through that compromise the in town residential areas. No connector on 16th St. No connector on 20th St. No connector on Pine Shadows. No fly way from Smither Bridge and Lake Rd. cutting through the Avenues. Awesome to develop bike paths around SHSU & Avenues-great way to decrease traffic and parking problems. Great plan to develop a transit network.</p>	-
Andie	Ho	Citizen	331 Oak Lawn St.	Huntsville	TX	77340	andie.n.ho@gmail.com	Word of mouth, Facebook	Comment Form	<p>I'd love to see more pedestrian and bike-friendly roads and sidewalks. I live in a residential area with lots of family and students and it is hard for us to navigate our neighborhood. We are constantly dodging high speed traffic just to get to campus or walk our dogs.</p>	-
Janice	Adams	-	2215 Normal Pak Dr.	Huntsville	TX	77340	-	Newspaper Notice	Comment Form	<p>Main roads are overloaded. College needs to stagger class releases.</p>	-
Sharon	Lynch	-	2003 Avenue P	Huntsville	TX	77340	sharonalynch@sbcglobal.net	Newspaper Notice, Email, Website	Comment Form	<p>Public Transit Plan- need transportation to MLK north, senior Housing and Boys & Girls Club.</p>	-
Taylor	Morrison	SHSU Center for Community Engagement	1908 Ave Q	Huntsville	TX	77340	taylor.morrison@shsu.edu	Facebook	Comment Form	<p>I own a home in this location and the road is already too narrow for both side street parking and 2-way traffic. Formal bike lanes in narrow residential streets in the Avenues (in particular between 19th & 20th on Ave Q). I would not be opposed to this if it restricted street parking and did not include a road widening initiative. I would support a less formal bike path in this area with added pedestrian sidewalks. I would strongly support moving the bike lane over to Ave K between 19th and 20th because it is more conducive for a path with fewer residential homes to account. For public transit plan, add/expand blue path to include stops near Boys & Girls Club/housing development.</p>	-



**Transportation Master Plan
Public Workshop Comment Database
April 9, 2019**

First Name	Last Name	Affiliation	Address	City	State	Zip Code	Email	How did you learn about this workshop?	Input Type	Comment	Response
Ana Marcela	Montenegro	Sam Houston State University	2003 Avenue P	Huntsville	TX	77340	amm179@shsu.edu	Someone told me	Comment Form	Please do not put 20th and 16th Street through to I-45. It would increase traffic, make us unsafe to walk and damage the character of the neighborhood.	-
Pam	Huggins	-	98 Elkins Lake	Huntsville	TX	77340	hugg02@hotmail.com	Website	Comment Form	Would like to see a dedicated right turn lane to turn right onto Sam Houston Ave from Montgomery Road. Traffic backs up at that intersection if there is just one car going straight on Montgomery to SHSU.	-
Ricky	Wilson	-	192 Sumac Rd.	Huntsville	TX	77340-8943	rick.wilson@outlook.com	HOA meeting	Comment Form	We are against having a through road in Glass Subdivision that will cause a marked increase in traffic on our road. This will also lead to an increase in noise, trash and crime. It will also make our area unsafe for people walking on the street as there are no sidewalks and the area is not well lit after dark. I question whether the existing road design is sufficient for the increases in daily traffic and inevitable increase in heavy vehicles. The city has not done a good maintaining the existing road. Why would we believe extending it farther would be maintained any better?	-
Colleen	Spencer	Citizen	1522 20th St.	Huntsville	TX	77340	colleen79spencer@gmail.com	Neighbor	Comment Form	A neighbor has drawn my attention to a possible city plan of taking 20th Street all of the way down to I45 feeder road. Already many people come 20th Street from Sam Houston Avenue on the way down to Normal Park. Until they put stop signs on Avenue O there were many wrecks and near wrecks. Our house is on the corner of Avenue O and 22nd Street. People don't always stop at the STOP sign and speed down Avenue O. The traffic at our corner is already high. Please do NOT direct even more cars down 20th Street. I have never seen a line up of cars to get on 19th Street or 22nd Street. Therefore, there is reason to try to spread their traffic out into our neighborhood. People jog, walk and walk their dogs in our neighborhood. You cannot safely do that on 22nd or 19th Street.	-
Deborah	Miller-Wood	Sumac Road Homeowner	320 Sumac Road	Huntsville	TX	77340	dmillerwood@yahoo.com	Neighborhood association meeting (Glass Subdivision - Sumac Road)	Comment Form	I live at 320 Sumac Road. I recently learned that the City of Huntsville's Transportation Master Plan was to propose an extension of Sumac Road (Glass Subdivision) to Summer Place Subdivision. This would certainly and most dramatically increase the traffic in our neighborhood and also reduce our home value. Our homeowners association understood that there would never be an extension of Sumac Road. We purchased our homes with that understanding. Please consider this objection and alter your proposed plan. Thank you.	-
Thomas A.	Wood	Sumac Road Homeowner	320 Sumac Road	Huntsville	TX	77340	tomwood64@gmail.com	Neighborhood association meeting (Sumac Road)	Comment Form	I object to the proposed plan to extend Sumac Road to Summer Place and to the added proposal to extend Powell Road to Summer Place as this would create an increase in traffic through this area. Please consider the neighborhood's objections to this plan. Thanks.	-
Shirley	Miller	-	91 Scott Rd	Huntsville	TX	77320	smilltx33@gmail.com	-	Email	I read this in the Huntsville Item about the master transportation plan under consideration by the City of Huntsville. I am very concerned about this issue and believe that a city this size should have some type of public transportation if only on a limited basis. This is especially true since the relocation of HEB so that those without transportation in the area around SHSU have no way to do their grocery shopping in addition to access to medical needs. In 2014 and 2016 I wrote letters to the editor of the Huntsville Item about this issue and I have attached them for your consideration. Thank you. <<Please see original email containing attached letter sent to The Huntsville Item Online>>	-
Dana	Smith	-	1914 Avenue O	Huntsville	TX	77340	mdks1158@gmail.com	-	Email	We live at the corner of 20th and Avenue O and do not want to see 20th Street turned into a thoroughfare to the college. Sam Houston already has enough access to it throughout our community. We know that changing 20th Street would be detrimental to our lovely neighborhood. We strongly oppose any change and hope that our voice will be heard. Thank you, Dana Smith 936-294-9108	-
Montie	Shelton	-	2011 Avenue P	Huntsville	TX	77340	dnmshelton@sbcglobal.net	-	Email	I am not a public official. I learned of the meeting from a neighbor. I am not affiliated with anyone. I oppose opening 20th Street from I-45 to the campus. The avenues are a historic district as well as a private residential area. We have enough traffic as it is. A busy thoroughfare would devalue our property. Please protect our neighborhood. Sincerely, Montie Shelton	-



**Transportation Master Plan
Public Workshop Comment Database
April 9, 2019**

First Name	Last Name	Affiliation	Address	City	State	Zip Code	Email	How did you learn about this workshop?	Input Type	Comment	Response
Marta	Edwards	-	195 Sumac Rd.	Huntsville	TX	77340	martaedwards@me.com	-	Email	I am writing you to voice strong objection of the proposed Sumac Rd. extension to connect to Summer Place. Spending revenue and increasing taxes to pay for a development of this kind is fiscally unsound and totally unnecessary. Residents of Sumac Rd and Summer Place have easy access to HWY 30 and can be to most destinations in Huntsville in about 10-15 minutes. I encourage the city planners to spend a day in Conroe or Houston, then come home to Huntsville and appreciate how easy it is to move around this city at ANY time of the day. This project is not needed for any reason. Projects of this kind should be reserved for major traffic congestion. Our schools need larger classrooms and our teachers need a raise, please consider funding the educational needs of this community, our police force and first responders and leave our neighborhoods alone. Tearing up beautiful residential neighborhoods to provide a fast track to Target is absurd. Please remember why people choose to live here, for the natural beauty of the landscape not for a faster track to Target. I moved to Sumac Rd for its beauty and privacy as did our other neighbors. We take pride in our neighborhood and want to maintain our property values and privacy. Once again, I voice my strong opposition to this proposal. Respectfully, Marta Edwards	
Dr. Prasopsuk Y.	Pinto	-	1906 Avenue Q	Huntsville	TX	77340	PYP001@shsu.edu	-	Email	I have learned from our neighbors in regard to the proposal to expand the street in the Avenue neighborhood (cut through I-45 from 20th Street and other quiet streets in the area). I completely disagree with this proposal! We do not need any more traffic to destroy our historic and peaceful area. I love our friendly and safe neighborhood which is the reason I purchased my home at 1906 Avenue Q. Please take this into an account of my comment as a home owner. Sincerely, Dr. Prasopsuk Y. Pinto	
Mary	Wolfskill	-	1905 Ave Q	Huntsville	TX	77340	marywolfskill@yahoo.com	-	Email	I am not a public official and I heard about these proposals through a neighbor that read about them in the newspaper and went to the last meeting. I disapprove of the city's plan to connect 20th and 16th street to Interstate 45. This is a residential neighborhood and that would increase the traffic. 19th and 22nd via Ave S are already connected and are not overloaded. The only time I have experienced heavy traffic on 19th is briefly during morning drop off.	
Art	Wolfskill	-	1905 Ave Q	Huntsville	TX	77340	redpot80@gmail.com	-	Email	First, I want to thank you for your efforts in making Huntsville a great place to live. My wife and I have been living here in the Avenues for 14 years, and we love it. I am a faculty member at the University, and I really don't see why so many others choose to live so far away. I have recently been informed of the proposed transportation plan. I did not attend the recent meeting, but a neighbor did and reported back to a number of us that could not make it. I would like to express some concern. I live on Avenue Q, between 19th and 20th. I understand part of the plan would create more thoroughfares connecting Sam Houston Ave directly with the Interstate service road. I understand that 16th and 20th streets are in mind. I have concerns about the traffic that such a plan would put through a peaceful neighborhood. Honestly, I don't see an issue with how it is arranged now. I know you have to look forward and plan for the future, but we currently have 19th and 22nd streets connecting, and from my perspective, these are not anywhere near overloaded. I looked on the website for the Transportation Master Plan, but could not find a recent version or draft. The previous one that I found was, I believe, from 2009 or 2012. It predicted that SHSU would have 25,000 students by 2015. Clearly, we are nowhere near that, four years after the date. I understand that SHSU will grow, as will the City as north Houston presses up the highway, but I have real concerns about what the effect of the proposals would do to our neighborhood. As far as traffic congestion on the current routes from I-45 through the Avenues to Sam Houston Ave, I see only one issue. Morning drop-off at the elementary school is the only time there seems to be any tie-ups (not counting the occasional parade, but those are just cool!). More routes through the Avenues will not help the school drop-off issue. I'm sure there are good people at the city working on those kinds of things. Maybe moving drop-off to another side of the block would help. Anyway, thanks again for taking our input. I am interested in the health and welfare of our city and residents, and especially in the quality of life here. I will be following more closely the discussions and documents that come from this issue. I am not a public official. Politically Incorrect: Free minds, free markets, free people. Be known for what you stand for, not what you stand against.	



**Transportation Master Plan
Public Workshop Comment Database
April 9, 2019**

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Dan	Jones	-	1724 16th Street	Huntsville	TX	77340	dan.jones3006@gmail.com	-	Email	<p>The following are comments related to the recent Transportation Master Plan Public Workshop. Although these are not submitted on the comment card supplied, I hope this will suffice. The primary concern that my family, and many neighbors here in our area have is the possible extension of 16th Street westward to either Normal park or I-45. I attended the workshop and viewed the exhibits, but was not able to be present for the opening remarks by city officials. I did not see an extension of 16th St. depicted in any of the exhibits, however a neighbor later told me this was discussed in the remarks. I was unable to access the documents on the city website as it said I was not allowed to access to them (?).</p> <p>Our neighborhood is old and established and many families utilize this area for walking, playing, and bike riding. The current terminus of 16th St. provides a safe place for so many of these activities without the danger of the through traffic. This situation would drastically change with an extension and would permanently change the character of this area. East-west thoroughfares currently exist within several blocks to both the north and south of this area. We have been assured by four mayoral administrations prior to the current one that 16th St. will not be extended westward due to these reasons. Our neighborhood residents collectively oppose any such development.</p> <p>I do believe that establishment of bike paths along certain streets in this area are viable, however if they are developed every effort should be made to minimize property loss to homeowners along the route(s). Most properties are small to start with and significant reduction of front yard are as would reduce property values. If widening of pavement is necessary then on-street parking should be restricted to the roadside opposite the bike route.</p> <p>Although not depicted in the workshop exhibits, improvement in the operation of existing traffic signals should be a priority to reduce congestion, especially along the Sam Houston Avenue corridor. Many times I have observed signals operating on default mode for days on end. The effect of having a four-way stop greatly slows traffic flow under such conditions. I do not know if the city or TxDOT has jurisdiction over the equipment at the various intersections, but this is one aspect that can be greatly improved by timely response to malfunctioning signals. Thank you for the opportunity to provide comment on this proposed update.</p>	
Edward W./Elizabeth L.	Nestor	-	308 Sumac Road	Huntsville	TX	77340	jitate97@yahoo.com	-	Email	<p>...#8 and #18 on the City of Huntsville Transportation Master Plan Proposed Long Term Projects. Please be aware and duly note that the citizens, landowners and homeowners (all taxpayers) on Sumac Road are stringently OPPOSED to ANY and ALL plans that involve extending Sumac Road to Summer Place and beyond. The residents of this neighborhood purchased their property precisely because it is on a dead-end road. The Nestors purchased their property directly from the developer, Charles N. Glass, in 1979. Charles N. Glass personally assured us, as well as the other purchasers, that this road would NEVER extend to Summer Place and Gazebo. Opening up Sumac Road as a thoroughfare violates that promise made even after Mr. Glass deeded over the right-of-way to the City of Huntsville. Looking at the City's proposed plans for numerous roads for future development and transportation routing, we can see NO obvious benefit that can be accomplished by destroying the peace and tranquility that has been and currently exists for the residents by extending Sumac Road. The high volume of loud, speeding, dangerous traffic that would ensue by routing through Sumac Road is unnecessary because the existing route to FM1791 is only a couple blocks away and would connect to SH30 East and West. Furthermore, the same traffic can also proceed East to the proposed Smither Drive unheeded through fields that do not disrupt any residents, homeowners with children who play in and cross streets. One of our residents has a special needs child who requires constant attention and protection. Faith Lutheran Church School traffic at the corner of SH30 and Sumac Road has considerable traffic into and out of their parking lot all day long, especially in the early morning and late afternoon, as well as on Sunday mornings and some evenings. The possibilities of tragic accidents involving children is extremely high if Sumac Road is extended. Opening up Sumac to Summer Place will destroy a certain security we have precisely because of the street's remoteness. Theft and crime are practically non-existent because of limited access. All of this is the very reason these residents bought their property and oppose the extension. The proposed budget for this extension is approximately \$1,235,335.00 obviously the least amount (and smallest project) of the proposed 28 projects totaling \$406,486,085.00. We feel the City should reconsider disrupting the lives and safety of the residents on Sumac Road and proceed with plans to ease the flow of traffic in other areas more in need of assistance and do NOT involve Sumac Road. Please reconsider deleting #18 from the current plan. Thank you!!</p>	
Dr. Audrey & Michael	Murfin & Demson	-	1913 Avenue P	Huntsville	TX		adm034@shsu.edu	-	Email	<p>As homeowners in the Avenues we object to the proposed changes to create through streets from I-45. The proposed changes will be detrimental to the residential nature of our neighborhood. The increased traffic will create extra noise and be dangerous for our children. (We are not public officials).</p>	



**Transportation Master Plan
Public Workshop Comment Database
April 9, 2019**

First Name	Last Name	Affiliation	Address	City	State	Zip Code	Email	How did you learn about this workshop?	Input Type	Comment	Response
John	Smither	Resident	1416 Sam Houston	Huntsville	TX	77340	john@smithercompany.com	W.O.M	Comment Form	<p>1. On master map, please provide a color outline for the 88 block Cultural District boundary.</p> <p>2. On master map, please provide a color outline for the 9 block Main Street District and Town Square.</p> <p>3. Please provide a detail or expanded map of the Cultural District Showing the complete legend and the known designated Cultural District Sites.</p> <p>4. Please provide University Ave Corridor Plan Detail from the University to the Old High School.</p> <p>5. Please provide brief description of bike path and bike lane.</p> <p>6. Please provide alternative transportation lanes or paths.</p> <p>The following comments relate to the edited map provided. These additions reflect the heightened rigor of expectations of the community and the international standards we expect to be judged by.</p> <p>1. Extend the Sam Houston Ave Bike Lane north until it converges with University Ave. Alternatively or also provide a Bike Lane on Ave M from 17th St to 7th St. To converge with the proposed Bike Path.</p> <p>2. Provide a Bike Lane or Path on 10th St. from Martin Luther King Blvd to I-45</p> <p>3. Provide a Bike Lane or Path on Ave O from 10th St. to 22nd St. and east on 22nd to Sam Houston Ave.</p> <p>4. Please provide a Bike Path or Lane from on Ave I from Mance Park Jr. High south through SHSU to Sam Houston Ave.</p> <p>5. Provide Bike Path or Lane from 16th St. east to Sycamore St.</p> <p>Sam Houston Ave from 22nd St. to 11th St. requires a slowdown of traffic. Please provide guidance for example: one center turn lane, two driving lanes and one alternative transportation lane and sidewalks.) This area is a Cultural District and is to have a park like atmosphere. The current speed limit has become dangerous for the density and the outdated parking-lot requirements along that corridor.</p> <p>Thank you, John Smither <<Please see original comment form containing referenced map.>></p>	



Transportation Master Plan
Public Workshop Summary Report

ATTACHMENT 7:
Scanned Public Workshop Comments



Transportation Master Plan Public Workshop

Comment Form/Formulario de Comentarios

ARE YOU A PUBLIC OFFICIAL? / ¿ES USTED UN FUNCIONARIO PÚBLICO?

NO/NO YES/ Sí If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

Julie Nelson

Mailing Address/Dirección de Envío

1526 Avenue O

City, State, Zip Code/Ciudad, Estado, Código Postal

Huntsville, TX 77340

Email Address/Correo Electrónico

Affiliation/Afiliación

Citizen

How did you learn about this meeting?

¿Cómo se enteró de esta reunión?

Newspaper Notice/Aviso de Periódico

City Signage/Boletín entre ciudad

Email/Correo Electrónico

Website/Sitio web

Other (please explain)/Otro (por favor de explicar)

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

- Appreciate the increased pedestrian + bikeways - need them to go into SITSU campus
- Seems like bus lines should go a bit more into university campus + down MLK -
- Need to address traffic light/4way stop on Smither Bridge
- Need to add additional 4way stops/^{light} on Avenue O for traffic calming more + more highspeed traffic is using this as a cut through
- Like the idea of complete on some of the major busy streets for less traffic, better turning and adding a safer pedestrian zone.
- Better pedestrian crossings @ multiple university ~~entrances~~ entrances
- large university lots outside of downtown /Avenues for student parking with shuttles.

This comment form may be turned in at the meeting, mailed to the address on the back of this page, or emailed to: jridley@huntsvilletx.gov. Please provide comments by April 20, 2019.

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- Against extension of 20th Street - both bc of increasing traffic flow through the residential areas of Avenues and bc of danger of short runway for cars to merge right to turn onto that road.
- Appreciate the syncing of lights through town.
- Like the addition of traffic signal @ Sam Houston + 22nd
Needs large pedestrian crosswalk there
- love the adding of additional sidewalks where missing
- Have apartment shuttle buses removed from residential streets - require them to drive on primary thoroughfares ~~with~~

City of Huntsville
Attn: Ms. Janet Ridley, City Planner
448 SH 75 N
Huntsville, Texas 77320



City of Huntsville
Attn: Ms. Janet Ridley, City Planner
448 SH 75 N
Huntsville, Texas 77320



Transportation Master Plan Public Workshop

Comment Form/Formulario de Comentarios

ARE YOU A PUBLIC OFFICIAL? / ¿ES USTED UN FUNCIONARIO PÚBLICO?

NO/NO YES/SÍ If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

Stephen Kapp

Mailing Address/Dirección de Envío

1526 Avenue O

City, State, Zip Code/Ciudad, Estado, Código Postal

Huntsville, TX 77340

Email Address/Correo Electrónico

Affiliation/Afiliación

How did you learn about this meeting?

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Newspaper Notice/Aviso de Periódico

City Signage/Boletín entre ciudad

Email/Correo Electrónico

Website/Sitio web

Other (please explain)/Otro (por favor de explicar)

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

- ⊛ any extensions, widening and new construction that encourages more traffic (esp. commercial, shuttles) into the Avenues - BAD, BAD, BAD!
- ⊛ Quality, large, clearly-marked PEDESTRIAN CROSSINGS needed on main roads around university desperately needed
- ⊛ new BUS lines should also emphasize SHSU stops. Discourage - if not Ban outright - apartment complex shuttle busses, esp. in residential neighborhoods.
- ⊛ need a 4-lane crossing across I-45 to link Target shopping centers w/ extreme N or S of town - But not to Avenues.
- ⊛ good idea for complet on San Thosmas & University //
- ⊛ Don't extend 20M to I45. More misery/danger for the Avenues. //
- ⊛ 4-way stops needed on Avenue O. Big problem with speeder. Extremely unsafe for residents + pedestrians. Police are aware + equally frustrated.

Again: Protect your residential areas! Curtail volume of traffic in Avenues. incorporate more speed control mechanisms

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Excellent idea for Bike lanes + paths
Make sure to extend to SH50!

City of Huntsville
Attn: Ms. Janet Ridley, City Planner
448 SH 75 N
Huntsville, Texas 77320

Place
postage
here

City of Huntsville
Attn: Ms. Janet Ridley, City Planner
448 SH 75 N
Huntsville, Texas 77320



Transportation Master Plan Public Workshop

Comment Form/Formulario de Comentarios

ARE YOU A PUBLIC OFFICIAL? / ¿ES USTED UN FUNCIONARIO PÚBLICO?

NO/NO **YES/SÍ** If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

Martin Malandro

Mailing Address/Dirección de Envío

331 Oak Lawn

City, State, Zip Code/Ciudad, Estado, Código Postal

Huntsville, TX 77340

Email Address/Correo Electrónico

Affiliation/Afiliación

SHSU

How did you learn about this meeting?

¿Cómo se enteró de esta reunión?

Newspaper Notice/Aviso de Periódico

City Signage/Boletín entre ciudad

Email/Correo Electrónico

Website/Sitio web

Other (please explain)/Otro (por favor de explicar)

Facebook post

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

I think the proposed extension of 20th st to I-45 would be very dangerous: Consider traffic exiting I-45 at exit 116 who want to turn right onto 20th st. There is not enough room or time for fast-moving traffic from I-45 to safely enter the right lane and make the turn onto 20th st, but people will try and will cause accidents.

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NO/NO YES/ Sí If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

Sharon Lynch

Mailing Address/Dirección de Envío

2003 Avenue P

City, State, Zip Code/Ciudad, Estado, Código Postal

Huntsville TX 71340

Email Address/Correo Electrónico

sharonalynch@sbcbglobal.net

Affiliation/Afiliación

How did you learn about this meeting?

¿Cómo se enteró de esta reunión?

Newspaper Notice/Aviso de Periódico

City Signage/Boletín entre ciudad

Email/Correo Electrónico

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Other (please explain)/Otro (por favor de explicar)

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

Please do NOT put 25th St. through to connect Smither
Bridge to Lake Rd & Montgomery - this damages the
character of the Avenues & Robinson Way

Avoid putting streets through that compromise the
in-town residential areas

No connector on 16th St.

No connector on 20th St

No connector on Pine Shadows

No flyway from Smither bridge & Lake Rd, cutting
through Avenues

Awesome to develop bike paths around SHSU & Avenues -
great way to decrease traffic & parking problems

Great plan to develop a transit network

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jridley@huntsvillex.gov. Please provide comments by **April 20, 2019**.

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NO/NO YES/ SÍ If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

Andie Ho

Mailing Address/Dirección de Envío

331 Oak Lawn St

City, State, Zip Code/Ciudad, Estado, Código Postal

Huntsville, TX 77340

Email Address/Correo Electrónico

andie.n.ho@gmail.com

Affiliation/Afiliación

Citizen

How did you learn about this meeting?

¿Cómo se enteró de esta reunión?

Newspaper Notice/Aviso de Periódico

City Signage/Boletín entre ciudad

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Website/Sitio web

Other (please explain)/Otro (por favor de explicar)

Word of mouth, Facebook

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

I'd love to see more pedestrian and bike-friendly roads and sidewalks. I live in a residential area with lots of family and students and it is hard for us to navigate our neighborhood. We are constantly dodging high speed traffic just to get to campus or walk our dogs.

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NO/NO **YES/ SÍ** If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

JANICE ADAMS

Mailing Address/Dirección de Envío

2215 Normal PK Dr.

City, State, Zip Code/Ciudad, Estado, Código Postal

Huntsville, TX 77340

Email Address/Correo Electrónico

Affiliation/Afiliación

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- Newspaper Notice/Aviso de Periódico**
- City Signage/Boletín entre ciudad**
- Email/Correo Electrónico**
- Website/Sitio web**
- Other (please explain)/Otro (por favor de explicar)**

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

MAIN roads are overloaded. College needs to stagger class releases.

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ARE YOU A PUBLIC OFFICIAL? / ¿ES USTED UN FUNCIONARIO PÚBLICO?

NO/NO YES/SÍ If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

Taylor Morrison

Mailing Address/Dirección de Envío

1908 Ave Q

City, State, Zip Code/Ciudad, Estado, Código Postal

Huntsville, TX 77340

Email Address/Correo Electrónico

taylor.morrison@shsu.edu

Affiliation/Afiliación

SHSU Center for Community Engagement

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Website/Sitio web

Other (please explain)/Otro (por favor de explicar)

Facebook

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

~~creating~~ formal bike lanes in narrow residential streets in the Avenues
(in particular between 19th + 20th on Ave Q)

→ I own a home in this location and the road is already too narrow for both side street parking + 2 way traffic. I would not be opposed to this if it restricted street parking and did not include a road widening initiative. I would support a less formal bike path in this area with added pedestrian sidewalks. I would strongly support moving the bike lane over to Ave K between 19th + 20th because it is more conducive for a path w/ fewer residential homes to account.

- for public transit plan, add/expand blue path to include stops near boys + girls club/housing development

This comment form may be turned in at the meeting, mailed to the address on the back of this page, or emailed to: jridley@huntsvilletx.gov. Please provide comments by April 20, 2019.

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Transportation Master Plan Public Workshop

Comment Form/Formulario de Comentarios

ARE YOU A PUBLIC OFFICIAL? / ¿ES USTED UN FUNCIONARIO PÚBLICO?

NO/NO **YES/SÍ** If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

Ana Marcela Muntenegro

Mailing Address/Dirección de Envío

2003 Avenue P.

City, State, Zip Code/Ciudad, Estado, Código Postal

Huntsville, TX. 77340

Email Address/Correo Electrónico

amm179@shsu.edu

Affiliation/Afiliación

Sam Houston State University

How did you learn about this meeting?

¿Cómo se enteró de esta reunión?

Newspaper Notice/Aviso de Periódico

City Signage/Boletín entre ciudad

Email/Correo Electrónico

Website/Sitio web

Other (please explain)/Otro (por favor de explicar)

Someone told me.

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

Please do not put 20th and 16th street through to I-45. It would increase traffic, make us unsafe to walk and damage the character of the neighborhood.

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Transportation Master Plan Public Workshop

Comment Form/Formulario de Comentarios

ARE YOU A PUBLIC OFFICIAL? / ¿ES USTED UN FUNCIONARIO PÚBLICO?

NO/NO **YES/SÍ** If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

Pam Huggins

Mailing Address/Dirección de Envío

398 Elkins Lake

City, State, Zip Code/Ciudad, Estado, Código Postal

Huntsville, TX 77340

Email Address/Correo Electrónico

hugg02@hotmail.com

Affiliation/Afiliación

How did you learn about this meeting?

¿Cómo se enteró de esta reunión?

Newspaper Notice/Aviso de Periódico

City Signage/Boletín entre ciudad

Email/Correo Electrónico

Website/Sitio web

Other (please explain)/Otro (por favor de explicar)

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

Would like to see a dedicated right turn lane to turn right on to Sam Houston Ave from Montgomery Road. Traffic backs up at that intersection if there is just one car going straight on Montgomery to SHSU.

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Transportation Master Plan Public Workshop

Comment Form/Formulario de Comentarios

STRONG NO!

ARE YOU A PUBLIC OFFICIAL? / ¿ES USTED UN FUNCIONARIO PÚBLICO?

NO/NO YES/SÍ If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

Colleen Spencer

Mailing Address/Dirección de Envío

1522 20th St.

City, State, Zip Code/Ciudad, Estado, Código Postal

Huntsville, Tx 77340

Email Address/Correo Electrónico

colleen79spencer@gmail.com

Affiliation/Afiliación

citizen

How did you learn about this meeting?

¿Cómo se enteró de esta reunión?

Newspaper Notice/Aviso de Periódico

City Signage/Boletín entre ciudad

Email/Correo Electrónico

Website/Sitio web

Other (please explain)/Otro (por favor de explicar)

Neighbor

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

A neighbor has drawn my attention to a possible city plan of taking 20th Street all of the way down to I45 feeder road.

Already many people come 20th Street from Sam Houston Avenue on the way down to Normal Park. Until they put stop signs on Avenue D there were many wrecks and near wrecks. Our house is on the corner of Avenue D and 22nd Street. People don't always stop at the STDP sign and speed down Avenue D.

The traffic at our corner is already high. Please do NOT ~~directions~~ even more cars down 20th Street. I have never seen a line-up of cars to get on 19th Street or 22nd Street. Therefore, there is reason to try to spread their traffic out into our neighborhood. People jog, walk and walk their dogs in our neighborhood. You cannot safely do that on 22nd or 19th St.

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Transportation Master Plan Public Workshop

Comment Form/Formulario de Comentarios

ARE YOU A PUBLIC OFFICIAL? / ¿ES USTED UN FUNCIONARIO PÚBLICO?

NO/NO YES/SÍ If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

DEBORAH MILLER-WOOD

Mailing Address/Dirección de Envío

320 SUMAC ROAD

City, State, Zip Code/Ciudad, Estado, Código Postal

HUNTSVILLE, TX 77340

Email Address/Correo Electrónico

dmillerwood@yahoo.com

Affiliation/Afiliación

SUMAC ROAD HOMEOWNER.

How did you learn about this meeting?

¿Cómo se enteró de esta reunión?

Newspaper Notice/Aviso de Periódico

City Signage/Boletín entre ciudad

Email/Correo Electrónico

Website/Sitio web

Other (please explain)/Otro (por favor de explicar)

NEIGHBORHOOD ASSOCIATION MEETING (GLASS SUBDIVISION SUMAC ROAD)

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

I LIVE AT 320 SUMAC ROAD. I RECENTLY LEARNED THAT THE CITY OF HUNTSVILLE'S TRANSPORTATION MASTER PLAN WAS TO PROPOSE AN EXTENSION OF SUMAC ROAD (GLASS SUBDIVISION) TO SUMMER PLACE SUBDIVISION. THIS WOULD CERTAINLY AND MOST DRAMATICALLY INCREASE THE TRAFFIC IN OUR NEIGHBORHOOD AND ALSO REDUCE OUR HOME VALUE. OUR HOMEOWNER'S ASSOCIATION UNDERSTOOD THAT THERE WOULD NEVER BE AN EXTENSION OF SUMAC ROAD. WE PURCHASED OUR HOMES WITH THAT UNDERSTANDING.

PLEASE CONSIDER THIS OBJECTION AND ALTER YOUR PROPOSED PLAN. THANK YOU. Deborah Miller Wood

This comment form may be turned in at the meeting, mailed to the address on the back of this page, or emailed to: jridley@huntsvilletx.gov.

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Transportation Master Plan Public Workshop

Comment Form/Formulario de Comentarios

ARE YOU A PUBLIC OFFICIAL? / ¿ES USTED UN FUNCIONARIO PÚBLICO?

NO/NO YES/SÍ If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido
 THOMAS A. WOOD
 Mailing Address/Dirección de Envío
 320 SUMAC ROAD
 City, State, Zip Code/Ciudad, Estado, Código Postal
 HUNTSVILLE, TX 77340
 Email Address/Correo Electrónico
 tomwood64@gmail
 Affiliation/Afiliación
 SUMAC ROAD HOMEOWNER

How did you learn about this meeting?
 ¿Cómo se enteró de esta reunión?
 Newspaper Notice/Aviso de Periódico
 City Signage/Boletín entre ciudad
 Email/Correo Electrónico
 Website/Sitio web
 Other (please explain)/Otro (por favor de explicar)
 NEIGHBORHOOD ASSOCIATION
 MEETING (SUMAC ROAD)

COMMENTS (Please make additional comments on the back, if needed.)
 COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

I OBJECT TO THE PROPOSED PLAN TO EXTEND SUMAC ROAD TO SUMMER PLACE AND TO THE ADDED PROPOSAL TO EXTEND POWELL ROAD TO SUMMER PLACE AS THIS WOULD CREATE AN INCREASE IN TRAFFIC THROUGH THIS AREA.

PLEASE CONSIDER THE NEIGHBORHOOD'S OBJECTIONS TO THIS PLAN. THANKS

Thomas A. Wood

This comment form may be turned in at the meeting, mailed to the address on the back of this page, or emailed to: jridley@huntsvilletx.gov.
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Janet Ridley <jridley@huntsvilletx.gov>

Transportation

1 message

Shirley Miller <smilltx33@gmail.com>

Sun, Apr 14, 2019 at 4:23 PM

To: Janet Ridley - Huntsville City Planner <jridley@huntsvilletx.gov>, Leigha Larkins - Huntsville Planner <llarkins@huntsvilletx.gov>

Attn: Janet Ridley and Leigha Larkins

I read in the Huntsville Item about the master transportation plan under consideration by the City of Huntsville. I am very concerned about this issue and believe that a city this size should have some type of public transportation if only on a limited basis. This is especially true since the relocation of HEB so that those without transportation in the area around SHSU have no way to do their grocery shopping in addition to access to medical needs.

In 2014 and 2016 I wrote letters to the editor of the Huntsville Item about this issue and I have attached them for your consideration.

Thank you.

Shirley Miller
91 Scott Rd
Huntsville TX 77320

936.661.7039
smilltx33@gmail.com

--

Shirley

2 attachments

 **Letter to the Editor 8-29-14.docx**
71K

 **Letter to the Editor 6-12-16.docx**
72K



Letter to the Editor

Huntsville needs some sort of public transportation

Dear Editor,

I have enjoyed reading the recent editorials by Gene Blair concerning the difficulties of the poor who live in Huntsville. I appreciate his effort, research and documentation addressing their very significant needs. I would like to address one additional area that was not mentioned in his comments, that of the need for public transportation even if on a minimal basis. I sent a previous letter regarding this topic a couple of years ago and the need is even greater now than it was then.

I am a proud citizen of Huntsville, having lived here for approximately 17 years. Our community is a diverse and growing city that can now boast of having a large number of medical offices and facilities, a thriving university and a rapidly expanding number of shopping and dining establishments.

With this growth and expansion, there is now a significant need in our city for some type of public transportation for students, the elderly or disabled, visitors to our community and those who may be without vehicles for various reasons. This is a much-needed service, if only on a limited basis. Almost daily I see people trudging up and down 11th street or Sam Houston Ave. (often carrying grocery bags) in all kinds of weather trying to navigate traffic and negotiate the hazards along the way from no sidewalks or limited sidewalks on which to walk. This lack of sidewalks throughout most of the city and our hilly terrain makes this need a significant one in my opinion. Taxi cabs and Brazos Transit provide some limited options, but financially are not a viable or convenient option for many.

Some type of public/private shuttle bus or trolley could make a loop past the medical center, down Lake Road to Sam Houston Avenue, past the apartments and the university, then down 11th Street to Highway 19, return back through the downtown area, down 11th Street again, across I-45, past all the shopping areas adjacent to I-45 and back to the medical center area.

Even on a limited basis of perhaps two – four times daily, this would provide a valuable resource to so many and would increase Huntsville's status as a growing and progressive small city.

Many years ago I found myself living alone without a vehicle for a long period of time. Fortunately I lived in a city with public transportation and sidewalks. I cannot imagine how hard it would have been during all those difficult months if I had lived in a city with no transportation or sidewalks as is our current situation in Huntsville. Perhaps this is why my heart goes out to all those who find themselves in this situation.

I hope that the addition of public transportation is a service for the future of Huntsville that can be seriously considered by our voters and local government officials.

Shirley Miller

Huntsville

Posted: Thursday, August 28, 2014 10:30 pm



Letter to the Editor

Huntsville needs some sort of public transportation

Dear Editor,

I am a proud citizen of Huntsville, having lived here for approximately 15 years. Our community is a diverse and growing city that can now boast of having a large number of medical offices and facilities, a thriving university and a rapidly expanding number of shopping and dining establishments.

With this growth and expansion, I think there is now a significant need in our city for some type of public transportation for students, the elderly or disabled, visitors to our community and those who may be without vehicles for various reasons. This is a much-needed service, if only on a limited basis.

Our lack of sidewalks and our hilly terrain would seem to make this need all the more significant. Taxi cabs and Brazos Transit provide some limited options, but financially are not a viable or convenient option for many.

Some type of public/private shuttle bus or trolley could make a loop past the medical center, down Lake Road to Sam Houston Avenue, past the apartments and the university, then down 11th Street to Highway 19, return back through the downtown area, down 11th Street again, across I-45, past all the shopping areas adjacent to I-45 and back to the medical center area.

Even on a limited basis of perhaps twice daily, this would provide a valuable resource to so many and would increase Huntsville's status as a growing and progressive small city.

I hope that the addition of public transportation is a service for the future of Huntsville that can be seriously considered by our voters and local government officials.

Shirley Miller

Huntsville



Janet Ridley <jridley@huntsvilletx.gov>

Transportation Master Plan

1 message

Dana Smith <mdks1158@gmail.com>

Mon, Apr 15, 2019 at 10:06 AM

To: jridley@huntsvilletx.gov

We live at the corner of 20th and Avenue O and do not want to see 20th Street turned into a thoroughfare to the college. Sam Houston already has enough access to it throughout our community. We know that changing 20th Street would be detrimental to our lovely neighborhood. We strongly oppose any change and hope that our voice will be heard.

Thank you, Dana Smith

1914 Avenue O

936-294-9108



Janet Ridley <jridley@huntsvilletx.gov>

Transportation Master Plan

1 message

DAN SHELTON <dnmshelton@sbcglobal.net>
To: "jridley@huntsvilletx.gov" <jridley@huntsvilletx.gov>

Tue, Apr 16, 2019 at 12:02 PM

Montie Shelton
2011 Avenue P
Huntsville, TX 77340
dnmshelton@sbcglobal.net

I am not a public official. I learned of the meeting from a neighbor. I am not affiliated with anyone.

I oppose opening 20th Street from I-45 to the campus. The avenues are a historic district as well as a private residential area. We have enough traffic as it is. A busy thoroughfare would devalue our property. Please protect our neighborhood.

Sincerely,
Montie Shelton



Janet Ridley <jridley@huntsvilletx.gov>

Proposed Sumac extension

1 message

Marta Edwards <martaedwards@me.com>

Fri, Apr 19, 2019 at 6:09 PM

To: jridley@huntsvilletx.gov

I am writing you to voice strong objection of the proposed Sumac Rd. extension to connect to Summer Place. Spending revenue and increasing taxes to pay for a development of this kind is fiscally unsound and totally unnecessary. Residents of Sumac Rd and Summer Place have easy access to HWY 30 and can be to most destinations in Huntsville in about 10-15 minutes. I encourage the city planners to spend an day in Conroe or Houston, then come home to Huntsville and appreciate how easy it is to move around this city at ANY time of day. This project is not needed for any reason. Projects of this kind should be reserved for major traffic congestion.

Our schools need larger classrooms and our teachers need a raise, please consider funding the educational needs of this community, our police force and first responders and leave our neighborhoods alone. Tearing up beautiful residential neighborhoods to provide a fast track to Target is absurd. Please remember why people choose to live here, for the natural beauty of the landscape not for a faster track to Target. I moved to Sumac Rd for its beauty and privacy as did our other neighbors. We take pride in our neighborhood and want to maintain our property values and privacy. Once again, I voice my strong opposition to this proposal.

Respectfully,
Marta Edwards
195 Sumac Rd.

Sent from my iPad



Janet Ridley <jridley@huntsvilletx.gov>

Transportation Huntsville Plan

1 message

Pinto, Prasopsuk <PYP001@shsu.edu>
To: "jridley@huntsvilletx.gov" <jridley@huntsvilletx.gov>
Cc: "Pinto, Prasopsuk" <PYP001@shsu.edu>

Fri, Apr 19, 2019 at 8:09 PM

Dear City Planner Janet Ridley,

I have learned from our neighbors in regard to the proposal to expand the street in the Avenue neighborhood (cut through I 45 from 20th street and other quiet streets in the area).

I completely disagree with this proposal!. We do not need any more traffic to destroy our historic and peaceful area. I love our friendly and safe neighborhood which is the reason I purchased my home here at 1906 Avenue Q.

Please take into an account of my comment as a home owner.

Sincerely,

Dr. Prasopsuk Y. Pinto

Dr. Prasopsuk Y. Pinto
Clinical Assistant Professor
SHCEC Advisor
School of Teaching and Learning
College of Education
Sam Houston State University
Box 2119, TEC 234
Huntsville, Texas 77341-2119
936-294-4025
pyp001@shsu.edu



Janet Ridley <jridley@huntsvilletx.gov>

transportation master plan

1 message

Mary Wolfskill <marywolfskill@yahoo.com>
To: "jridley@huntsvilletx.gov" <jridley@huntsvilletx.gov>

Sat, Apr 20, 2019 at 9:05 AM

Dear Ms. Ridley,

I am not a public official and I heard about these proposals through a neighbor that read about them in the newspaper and went to the last meeting.

I disapprove of the city's plan to connect 20th and 16th street to Interstate 45. This is a residential neighborhood and that would increase the traffic. 19th and 22nd via Ave S are already connected and are not overloaded.

The only time I have experienced heavy traffic on 19th is is briefly during morning drop off.

Mary Wolfskill
1905 Ave Q
Huntsville



Janet Ridley <jridley@huntsvilletx.gov>

proposed transportation plan comments

1 message

Art Wolfskill <redpot80@gmail.com>

Sat, Apr 20, 2019 at 9:28 AM

To: jridley@huntsvilletx.gov

Dear Ms. Ridley,

First, I want to thank you for your efforts in making Huntsville a great place to live. My wife and I have been living here in the Avenues for 14 years, and we love it. I am a faculty member at the University, and I really don't see why so many others choose to live so far away.

I have recently been informed of the proposed transportation plan. I did not attend the recent meeting, but a neighbor did and reported back to a number of us that could not make it.

I would like to express some concerns. I live on Avenue Q, between 19th and 20th. I understand that part of the plan would create more thoroughfares connecting Sam Houston Ave directly with the Interstate service road. I understand that 16th and 20th streets are in mind. I have concerns about the traffic that such a plan would put through a peaceful neighborhood.

Honestly, I don't see an issue with how it is arranged now. I know you have to look forward and plan for the future, but we currently have 19th and 22nd streets connecting, and from my perspective, these are not anywhere near overloaded.

I looked on the website for the Transportation Master Plan, but could not find a recent version or draft. The previous one that I found was, I believe, from 2009 or 2012. It predicted that SHSU would have 25,000 students by 2015. Clearly, we are nowhere near that, four years after the date. I understand that SHSU will grow, as will the city as North Houston presses up the highway, but I have real concerns about what the effect of the proposals would do to our neighborhood.

As far as traffic congestion on the current routes from I-45 through the Avenues to Sam Houston Ave, I see only one issue. Morning drop-off at the elementary school is the only time there seems to be any tie-ups (not counting the occasional parade, but those are just cool!). More routes through the Avenues will not help the school drop-off issue. I'm sure there are good people at the city working on those kinds of things. Maybe moving drop-off to another side of the block would help.

Anyway, thanks again for taking our input. I am interested in the health and welfare of our city and residents, and especially in the quality of life here. I will be following more closely the discussions and documents that come from this issue.

I am not a public official.

Art Wolfskill
1905 Avenue Q
Huntsville

Politically Incorrect:

Free minds, free markets, free people.

Be known for what you stand for, not what you stand against.



Janet Ridley <jridley@huntsvilletx.gov>

Comments on Transportation Plan Update

1 message

Dan Jones <dan.jones3006@gmail.com>

Sat, Apr 20, 2019 at 10:38 PM

To: jridley@huntsvilletx.gov

Dear Ms. Ridley,

The following are comments related to the recent Transportation Master Plan Public Workshop. Although these are not submitted on the comment card supplied, I hope this will suffice. The primary concern that my family, and many neighbors here in our area, have is the possible extension of 16th Street westward to either Normal Park or I-45. I attended the workshop and viewed the exhibits, but was not able to be present for the opening remarks by city officials. I did not see an extension of 16th St. depicted in any of the exhibits, however a neighbor later told me this was discussed in the remarks. I was unable to access the documents on the city website as it said I was not allowed access to them (?).

Our neighborhood is old and established and many families utilize this area for walking, playing, and bike riding. The current terminus of 16th St. provides a safe place for many of these activities without the danger of through traffic. This situation would drastically change with an extension and would permanently change the character of this area. East-west thoroughfares currently exist within several blocks to both the north and south of this area. We have been assured by four mayoral administrations prior to the current one that 16th St. will not be extended westward due to these reasons. Our neighborhood residents collectively oppose any such development.

I do believe that establishment of bike paths along certain streets in this area are viable, however if they are developed every effort should be made to minimize property loss to homeowners along the route(s). Most properties are small to start with and significant reduction of front yard are as would reduce property values. If widening of pavement is necessary then on-street parking should be restricted to the roadside opposite the bike route.

Although not depicted in the workshop exhibits, improvement in the operation of existing traffic signals should be a priority to reduce congestion, especially along the Sam Houston Avenue corridor. Many times I have observed signals operating on default mode for days on end. The effect of having a four-way stop greatly slows traffic flow under such conditions. I do not know if the city or TxDOT has jurisdiction over the equipment at the various intersections, but this is one aspect that can be greatly improved by timely response to malfunctioning signals.

Thank you for the opportunity to provide comment on this proposed update.

Dan Jones
1724 16th Street
Huntsville, TX 77340
dan.jones3006@gmail.com



Janet Ridley <jridley@huntsvilletx.gov>

Concerned citizens re Sumac Rd extension planned as....

1 message

Nestor <jitate97@yahoo.com>

Sat, Apr 20, 2019 at 10:48 PM

To: "jridley@huntsvilletx.gov" <jridley@huntsvilletx.gov>, "llarkins@huntsvilletx.gov" <llarkins@huntsvilletx.gov>, "council@huntsvilletx.gov" <council@huntsvilletx.gov>

.....#8 and #18 on the City of Huntsville Transportation Master Plan Proposed Long Term Projects.

Please be aware and duly note that the citizens, landowners and homeowners (all taxpayers) on Sumac Road are stringently OPPOSED to ANY and ALL plans that involve extending Sumac Road to Summer Place and beyond. The residents of this neighborhood purchased their property precisely because it is on a dead-end road.

The Nestors purchased their property directly from the developer, Charles N. Glass, in 1979.

Charles N Glass personally assured us, as well as the other purchasers, that this road would NEVER extend to Summer Place and Gazebo. Opening up Sumac Road as a thoroughfare violates that promise made even after Mr. Glass deeded over right-of-way to the City of Huntsville. Looking at the City's proposed plans for numerous roads for future development and transportation routing, we can see NO obvious benefit that can be accomplished by destroying the peace and tranquility that has been and currently exists for the residents by extending Sumac Road. The high volume of loud, speeding, dangerous traffic that would ensue by routing through Sumac Road is unnecessary because the existing route to FM1791 is only a couple blocks away and would connect to SH30 East and West. Furthermore, the same traffic can also proceed East to the proposed Smither Drive unheeded through fields that do not disrupt any residents, homeowners with children who play in and cross the streets. One of our residents has a special needs child who requires constant attention and protection. Faith Lutheran Church School traffic at the corner of SH30 and Sumac Road has considerable traffic into and out of their parking lot all day long, especially in the early morning and late afternoon, as well as on Sunday mornings and some evenings. The possibilities for tragic accidents involving children is extremely high if Sumac Road is extended. Opening up Sumac to Summer Place will destroy a certain security we have precisely because of the street's remoteness. Theft and crime are practically non-existent because of limited access. All of this is the very reason these

residents bought their property and oppose the extension. The proposed budget for this extension is approximately \$1,235,335.00, obviously

the least amount (and smallest project) of the proposed 28 projects totaling \$406,486,085.00. We feel the City should reconsider

disrupting the lives and safety of the residents on Sumac Road and proceed with plans to ease the flow of traffic in other areas more in need of assistance and do NOT involve Sumac Road. Please reconsider deleting #18 from the current plan. Thank you!

Sincerely,

Edward W. Nestor

Elizabeth L. Nestor

308 Sumac Road

Huntsville, Tx. 77340



Janet Ridley <jridley@huntsvilletx.gov>

proposed road changes

1 message

Murfin, Audrey <adm034@shsu.edu>
To: "jridley@huntsvilletx.gov" <jridley@huntsvilletx.gov>

Sun, Apr 21, 2019 at 9:41 AM

As homeowners in the Avenues we object to the proposed changes to create through streets from I-45. The proposed changes will be detrimental to the residential nature of our neighborhood. The increased traffic will create extra noise and be dangerous for our children.

Audrey Murfin and Michael Demson

1913 Avenue P

(We are not public officials).

Dr. Audrey Murfin
Assistant Professor of English
Sam Houston State University



Transportation Master Plan Public Workshop

Comment Form/Formulario de Comentarios

ARE YOU A PUBLIC OFFICIAL? / ¿ES USTED UN FUNCIONARIO PÚBLICO?

NO/NO **YES/ SÍ** If yes, position/Puesto: _____

First and Last Name/Nombre y Apellido

JOHN SMITHER

Mailing Address/Dirección de Envío

1416 SAM HOUSTON

City, State, Zip Code/Ciudad, Estado, Código Postal

HUNTSVILLE TX 77340

Email Address/Correo Electrónico

JOHN@SMITHERCOMPANY.COM

Affiliation/Afiliación

RESIDENT

How did you learn about this meeting?

¿Cómo se enteró de esta reunión?

Newspaper Notice/Aviso de Periódico

City Signage/Boletín entre ciudad

Email/Correo Electrónico

Website/Sitio web

Other (please explain)/Otro (por favor de explicar)

W. O. M.

COMMENTS (Please make additional comments on the back, if needed.)

COMENTARIOS (Por favor hacer sus comentarios adicionales en la parte posterior.)

PLEASE SEE TYPED COMMENTS AND MAP.

This comment form may be turned in at the meeting, mailed to the address on the back of this page, or emailed to:
jridley@huntsvilletx.gov.

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Transportation Master Plan Workshop

Continued from Comment Form

1. On master map, please provide a color outline for the 88 block Cultural District boundary.
2. On master map, please provide a color outline for the 9 block Main Street District and Town Square.
3. Please provide a detail or expanded map of the Cultural District showing the complete legend and the known designated Cultural District Sites.
4. Please provide University Ave Corridor Plan Detail from the University to the Old High School
5. Please provide brief description of bike path and a bike lane
6. Please provide alternative transportation lanes or paths

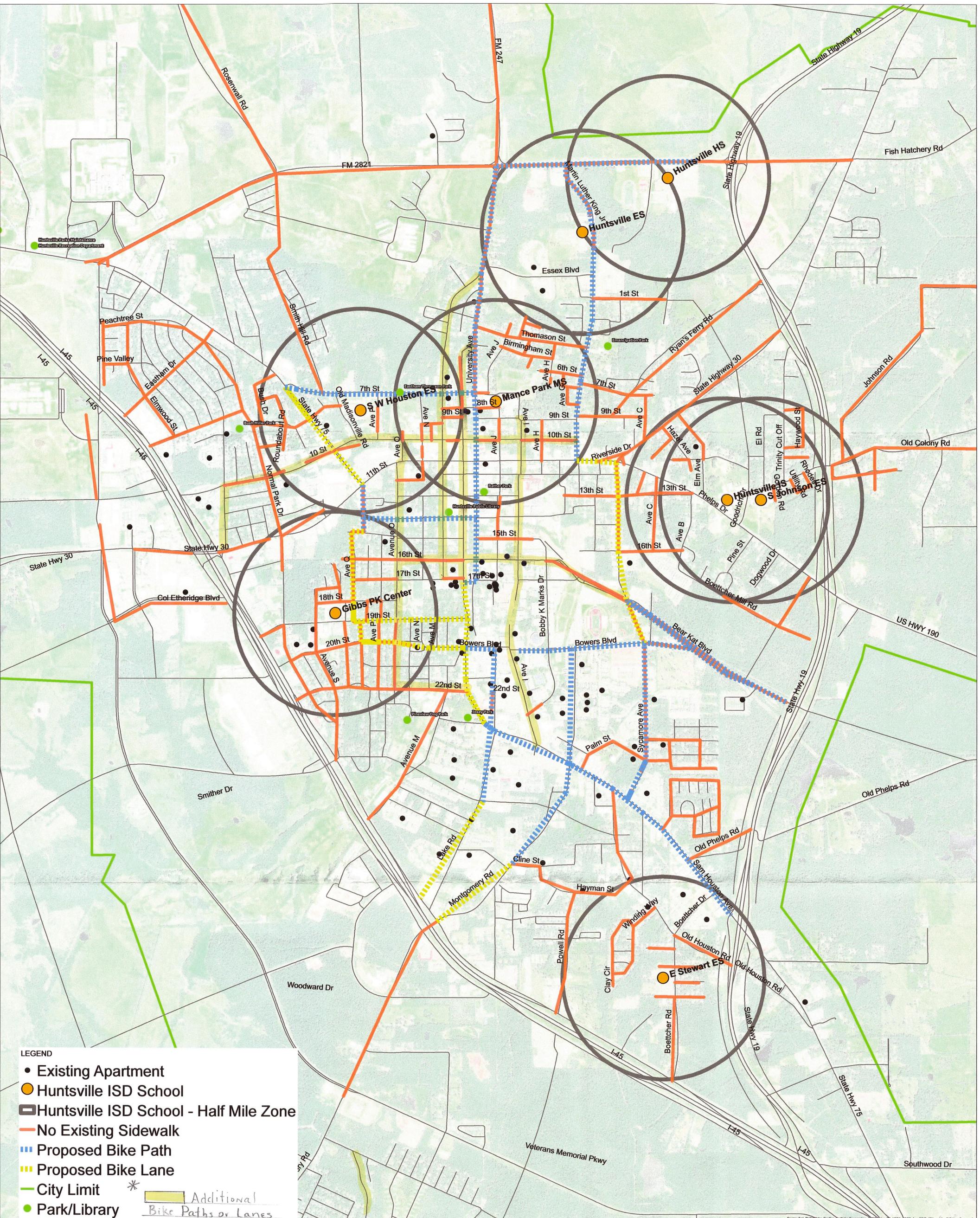
The following comments relate to the edited map provided. These additions reflect the heightened rigor of expectations of the community and the international standards we expect to be judged by.

1. Extend the Sam Houston Ave Bike Lane north until it converges with University Ave. Alternatively or also provide a Bike Lane on Ave M from 17th St to 7th St. to converge with the propose Bike Path
2. Provide a Bike Lane or Path on 10th St. from Martin Luther King Blvd. to I-45
3. Provide a Bike Lane or Path on Ave O from 10th St. to 22nd St. and east on 22nd to Sam Houston Ave
4. Please Provide a Bike Path or Lane from on Ave I from Mance Park Jr High south through SHSU to Sam Houston Ave.
5. Provide Bike Path or Lane from 16th St east to Sycamore St.

Sam Houston Ave from 22nd St. to 11th St. requires a slowdown of traffic. Please provide guidance for example: one center turn lane, two driving lanes and one alternative transportation lane and sidewalks) This area is a Cultural District and is to have a park like atmosphere. The current speed limit has become dangerous for the density and the outdated parking-lot requirements along that corridor.

Thank you,

John Smither

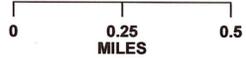


- LEGEND**
- Existing Apartment
 - Huntsville ISD School
 - ◻ Huntsville ISD School - Half Mile Zone
 - No Existing Sidewalk
 - ▬ Proposed Bike Path
 - ▬ Proposed Bike Lane
 - City Limit
 - Park/Library
 - * Additional Bike Paths or Lanes



**CITY OF HUNTSVILLE TRANSPORTATION MASTER PLAN
PROPOSED BIKE & PEDESTRIAN PLAN**

PRELIMINARY DRAFT FOR DISCUSSION - NOT YET ADOPTED



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNR/Airphoto, USDA, AeroGRID, IGN, and the GIS User Community



Transportation Master Plan
Public Workshop Summary Report

ATTACHMENT 8:
Public Workshop Photographs



Transportation Master Plan Public Workshop Summary Report



Public workshop attendees view the Transportation Master Plan (TMP) Thoroughfare Plan.



A study team representative assists a public workshop attendee with questions concerning the TMP Short-Term Projects.



Transportation Master Plan Public Workshop Summary Report



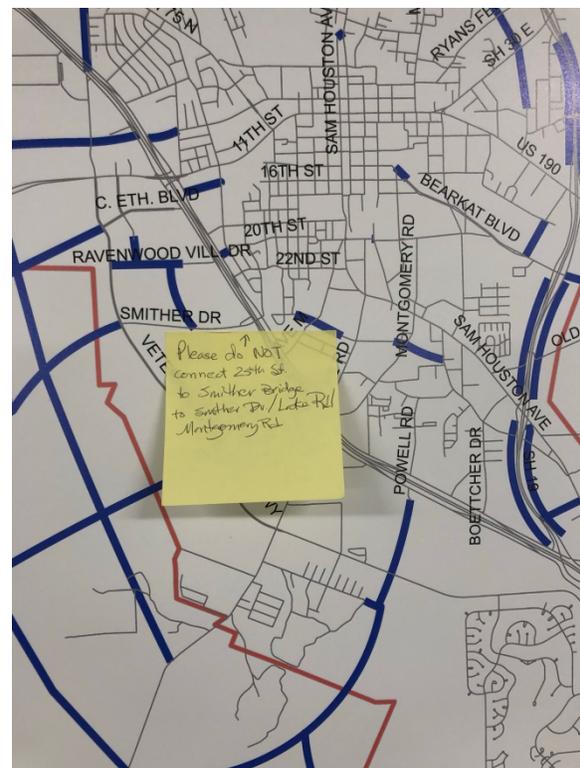
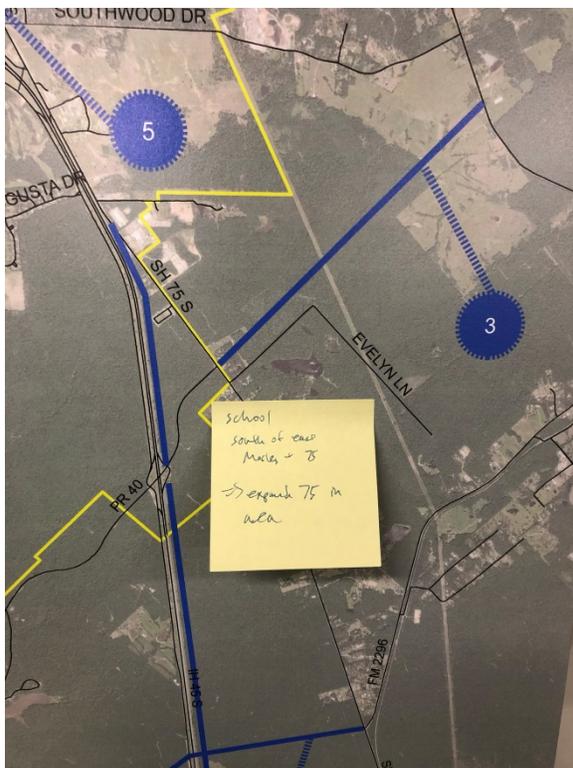
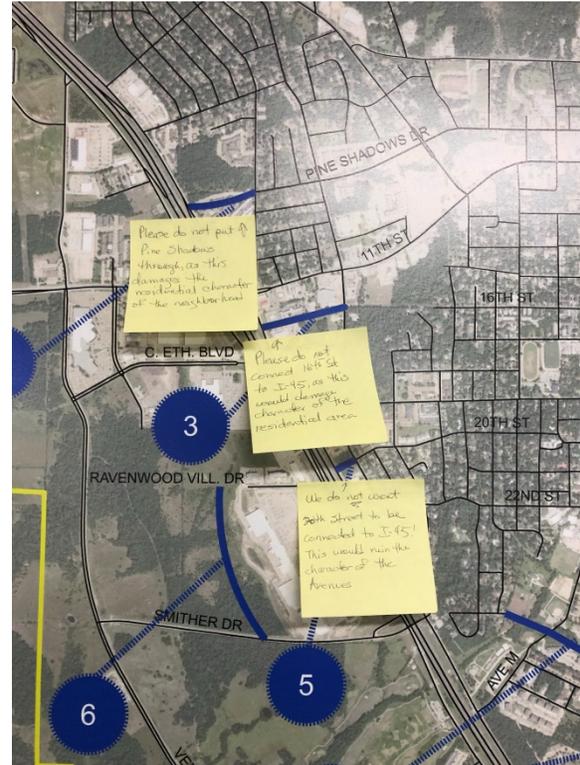
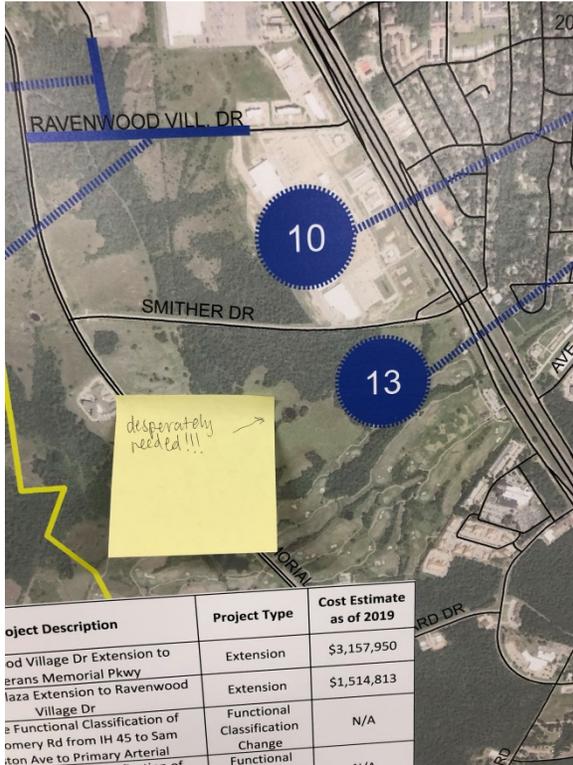
A public workshop attendee fills out a comment form that was provided to all attendees. Comments could be submitted in baskets provided at the meeting, as well as by mail and email.



Public workshop attendees view the Transportation Master Plan (TMP) Thoroughfare Plan. Study team representatives were available to assist attendees with questions concerning the TMP Projects.



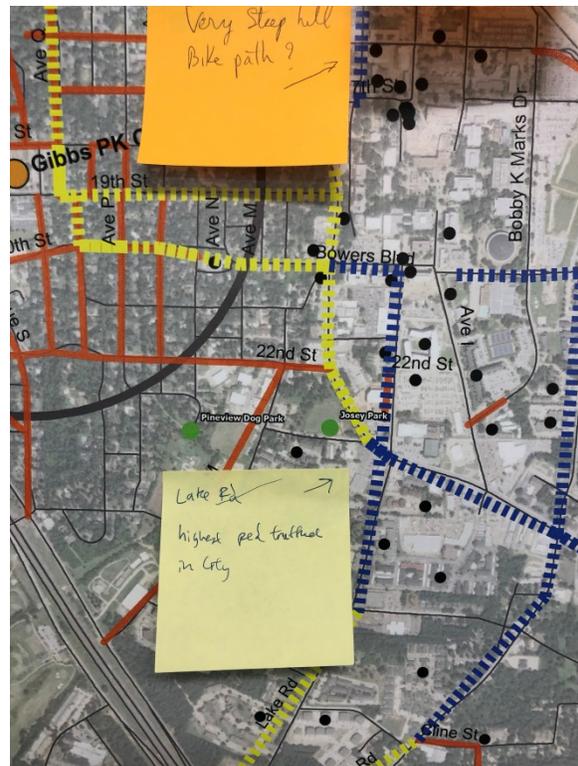
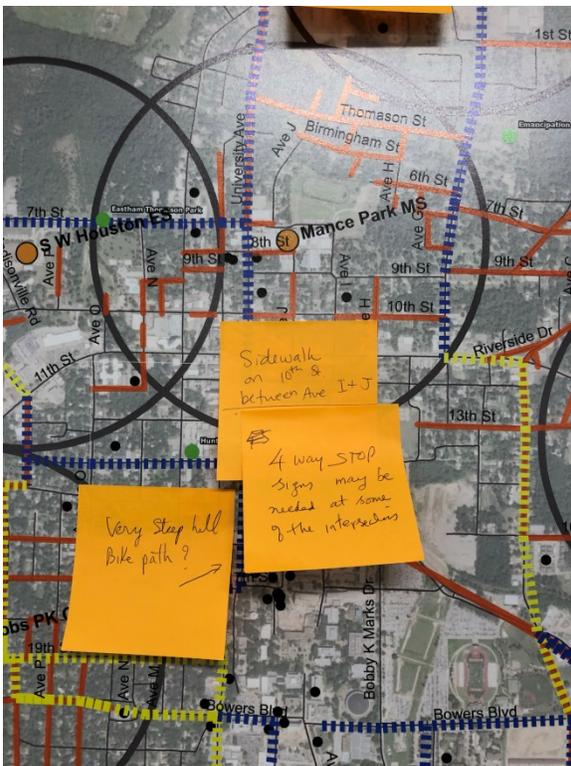
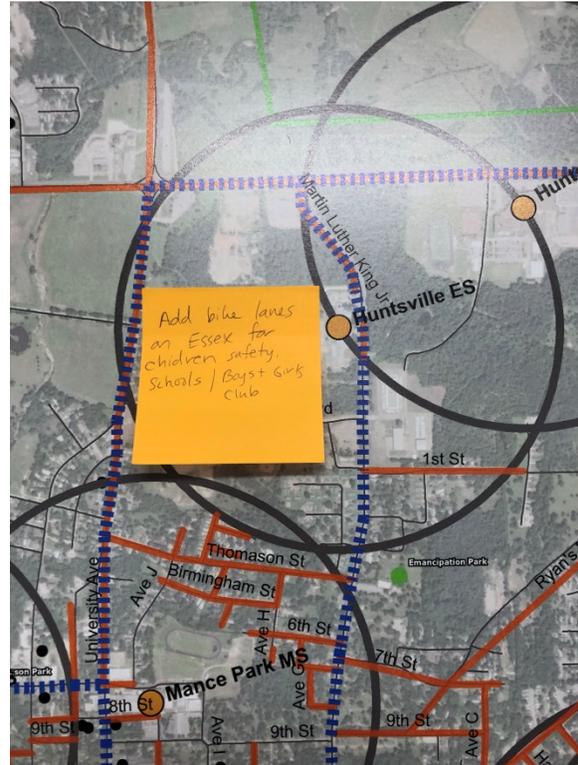
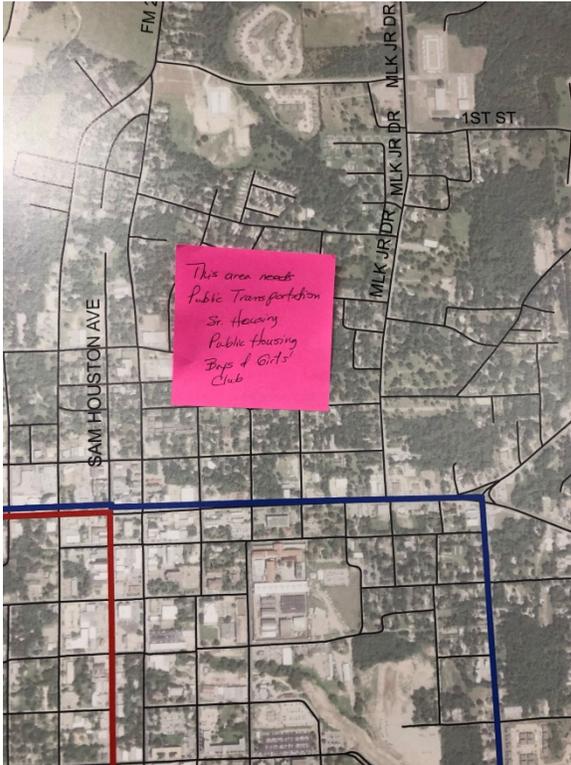
Transportation Master Plan Public Workshop Summary Report



Public workshop attendees were invited to provide comments directly on the informational exhibits.



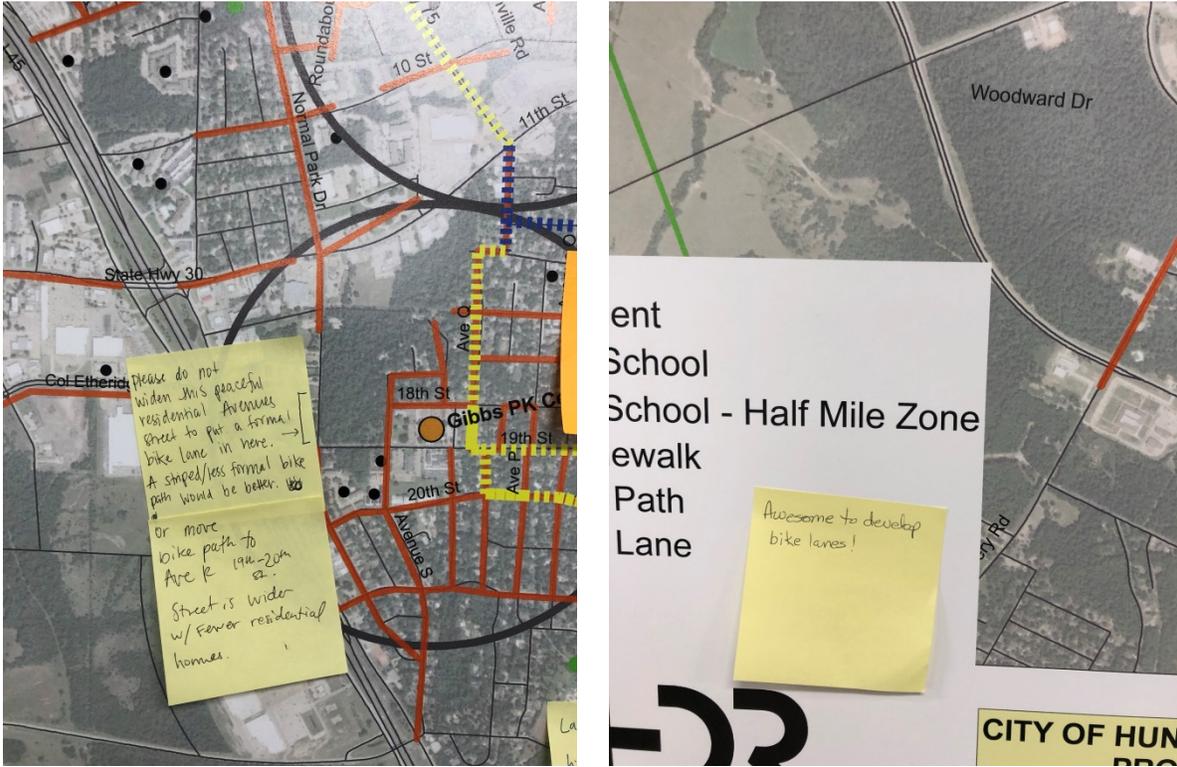
Transportation Master Plan Public Workshop Summary Report



Public workshop attendees were invited to provide comments directly on the informational exhibits.



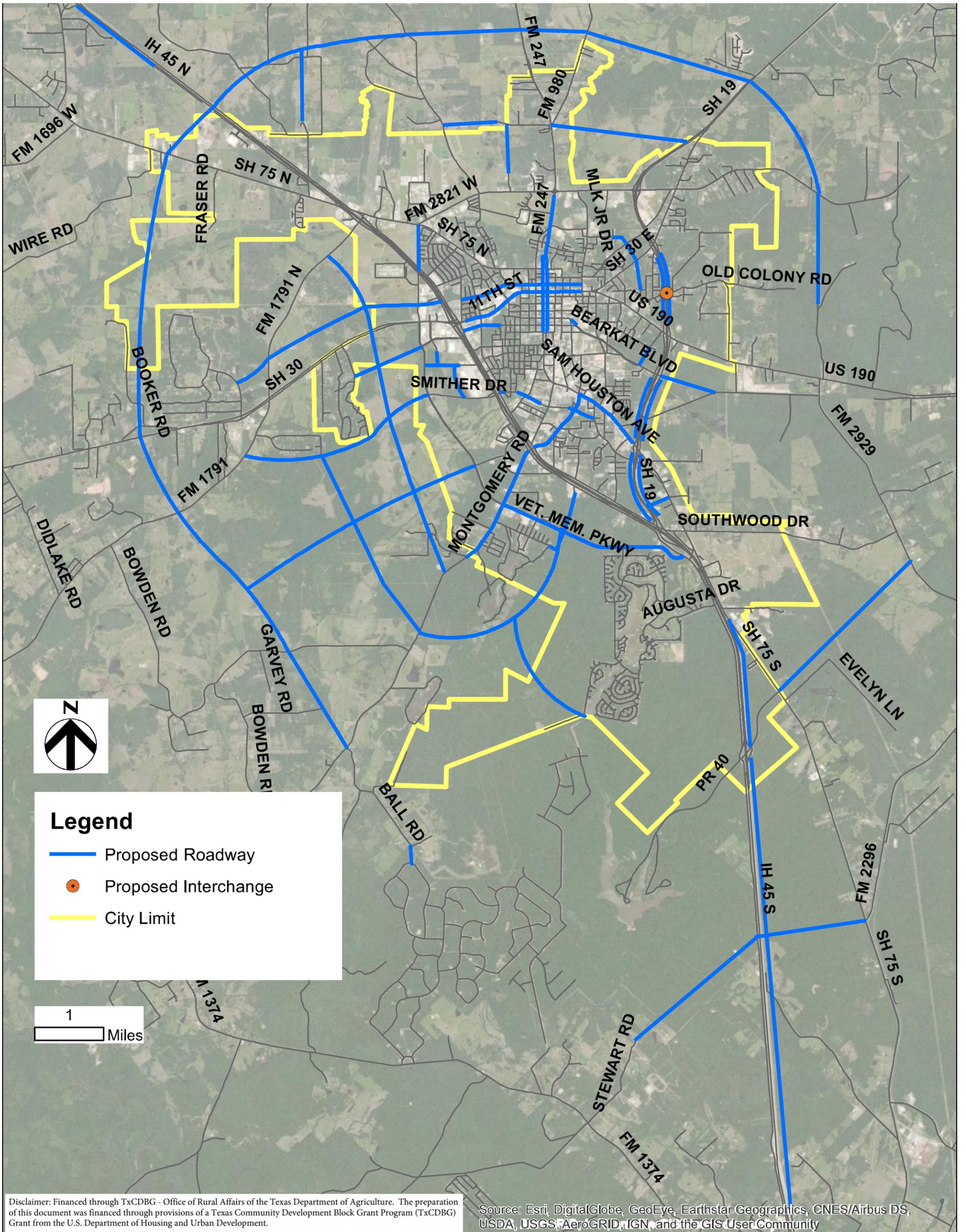
Transportation Master Plan Public Workshop Summary Report



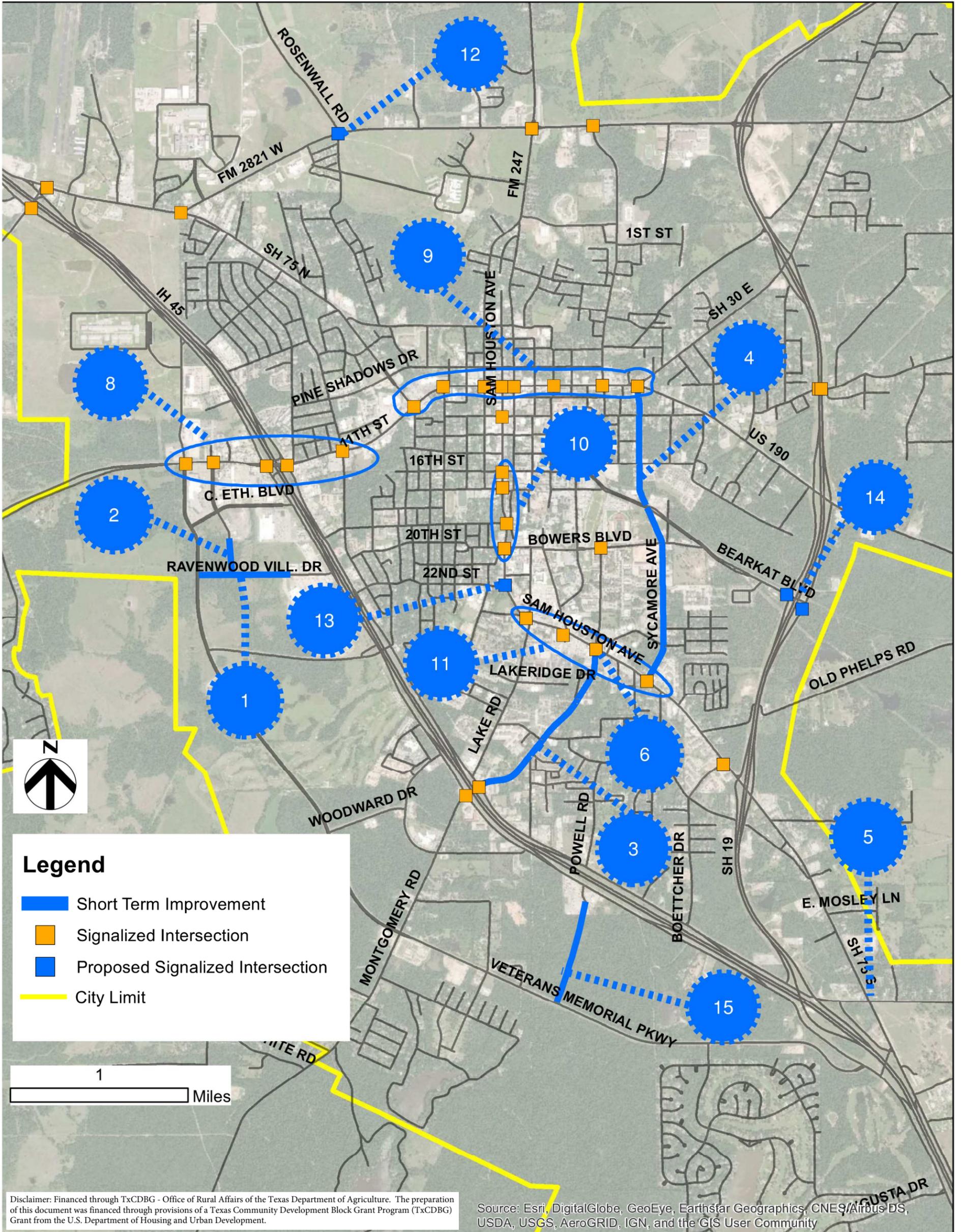
Public workshop attendees were invited to provide comments directly on the informational exhibits.

Appendix D: Exhibits

Thoroughfare Plan



Proposed Short-Term Projects



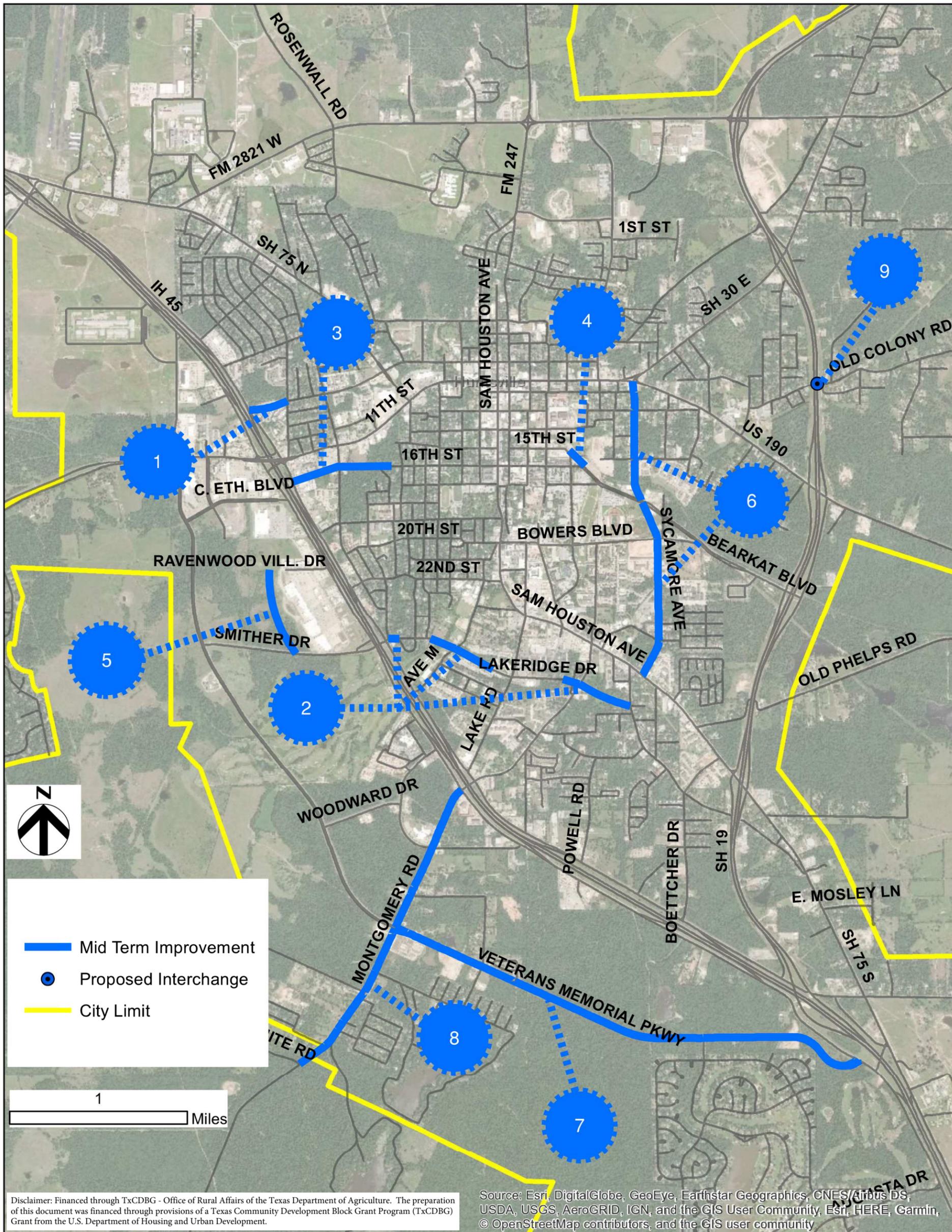
Disclaimer: Financed through TxCDBG - Office of Rural Affairs of the Texas Department of Agriculture. The preparation of this document was financed through provisions of a Texas Community Development Block Grant Program (TxCDBG) Grant from the U.S. Department of Housing and Urban Development.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Number	Project Description	Project Type	Cost Estimate as of 2019	Number	Project Description	Project Type	Cost Estimate as of 2019	Number	Project Description	Project Type	Cost Estimate as of 2019
1	Ravenwood Village Dr Extension to Veterans Memorial Pkwy	Extension	\$5,883,239	6	SH 75 and Montgomery Rd Intersection Improvement	Intersection Improvement	N/A	11	Coordinate Traffic Signals along Sam Houston Ave from Lake Rd to Sycamore Ave	Signal Coordination	\$20,000
2	Financial Plaza Extension to Ravenwood Village Dr	Extension	\$2,858,008	7*	Signing and Pavement Marking Improvements (Signalized Intersections)	Intersection Improvement	N/A	12	Signalize FM 2821 and Rosenwall Rd	Signalization	\$300,000
3	Upgrade Functional Classification of Montgomery Rd from IH 45 to Sam Houston Ave to Primary Arterial	Functional Classification Change	N/A	8	Coordinate Traffic Signals along 11th St from Veterans Memorial Pkwy to Normal Park Dr	Signal Coordination	\$20,000	13	Signalize Sam Houston Ave and 22nd St	Signalization	\$300,000
4	Upgrade Functional Classification of Sycamore Ave from 11th St to Sam Houston Ave to Primary Arterial	Functional Classification Change	N/A	9	Coordinate Traffic Signals along 11th St from SH 75N to Sycamore Ave	Signal Coordination	\$35,000	14	Signalize Bear Kat Blvd at SH 19	Signalization	\$300,000
5	Southwood Dr and SH 75 Intersection Improvement	Intersection Improvement	N/A	10	Coordinate Traffic Signals along Sam Houston Ave from 16th St to Bowers Blvd	Signal Coordination	\$20,000	15	Powell Rd Extension from IH 45 to Veterans Memorial Pkwy	Extension	\$6,322,309

*Apply to all signalized Intersections, thus not shown on map

Proposed Mid-Term Projects

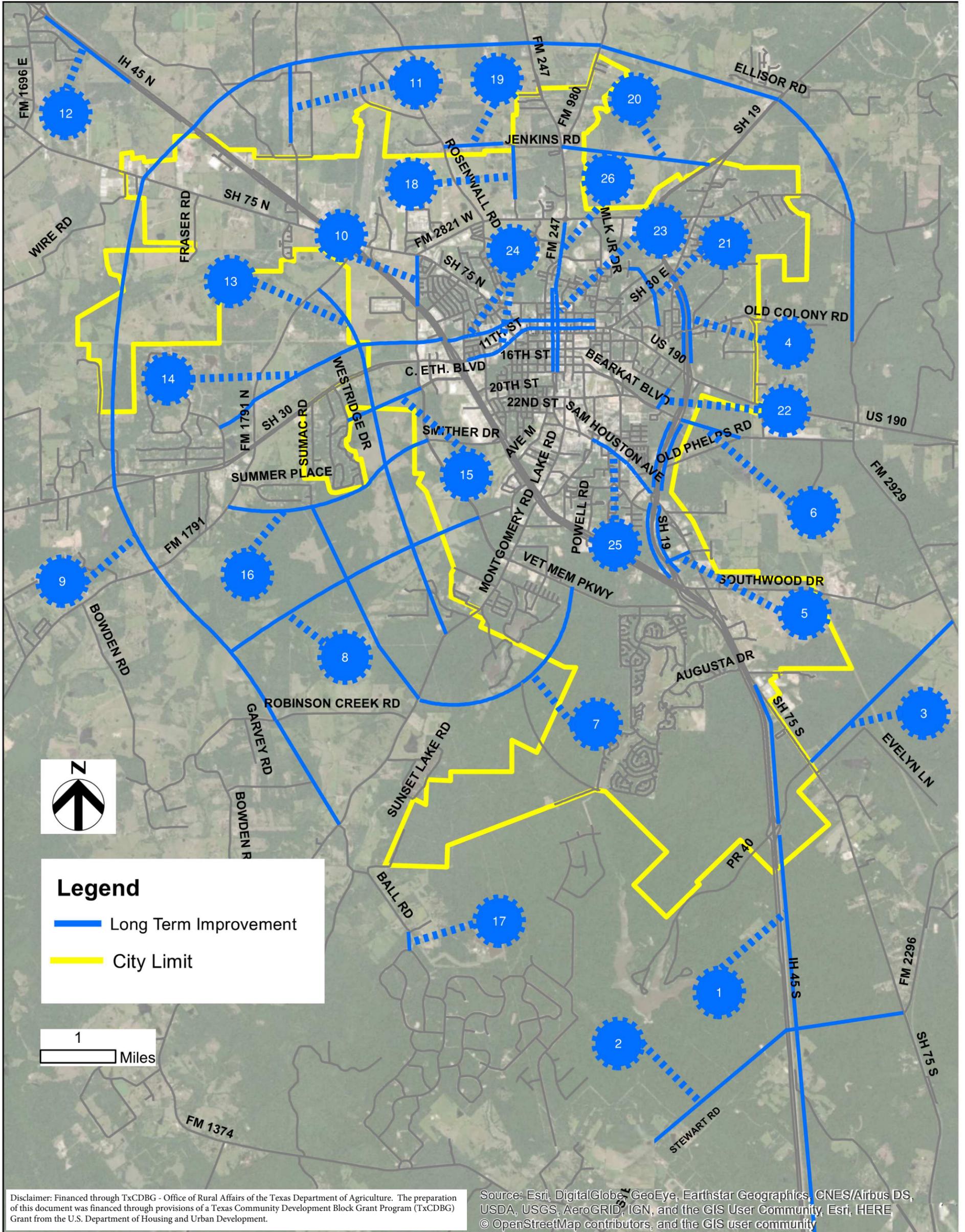


Disclaimer: Financed through TxCDBG - Office of Rural Affairs of the Texas Department of Agriculture. The preparation of this document was financed through provisions of a Texas Community Development Block Grant Program (TxCDBG) Grant from the U.S. Department of Housing and Urban Development.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community

Number	Project Description	Project Type	Cost Estimate as of 2019	Number	Project Description	Project Type	Cost Estimate as of 2019
1	Pineshadows Dr Extension to IH 45	Extension	\$2,435,340	6	Sycamore Ave Widening to Five Lanes with Sidewalks and Bike Lanes	Widen To Five Lanes With Median, Sidewalks, and Bike Lanes	\$19,593,991
2	Smither Dr/25th St Extension from IH 45 to Old Houston Rd	Extension	\$9,352,632	7	Veterans Memorial Pkwy Widening to Four Lanes from Montgomery Rd to IH 45	Widening	\$28,301,225
3	16th St Extension to IH 45	Extension	\$3,088,512	8	Montgomery Rd Widening to Four Lanes from IH 45 to Darrell White Rd	Widening	\$19,694,077
4	Bearkat Blvd Extension to 15th St	Extension	\$1,448,716	9	Interchange at SH 19 and Old Colony Road	Interchange	\$5,000,000
5	Roadway Extension from Ravenwood Village Dr to Smither Dr	Extension	\$5,589,345				

Proposed Long-Term Projects



Disclaimer: Financed through TxCDBG - Office of Rural Affairs of the Texas Department of Agriculture. The preparation of this document was financed through provisions of a Texas Community Development Block Grant Program (TxCDBG) Grant from the U.S. Department of Housing and Urban Development.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE © OpenStreetMap contributors, and the GIS user community

Number	Project Description	Project Type	Cost Estimate as of 2019	Number	Project Description	Project Type	Cost Estimate as of 2019	Number	Project Description	Project Type	Cost Estimate as of 2019	Number	Project Description	Project Type	Cost Estimate as of 2019
1	Build IH 45 Northbound Frontage Roads from FM 1374 to SH 75	Extension	\$110,731,162	8	Woodward Dr Extension from Veterans Memorial Pkwy to Outer Loop	Extension	\$53,203,391	15	Colonel Etheridge Blvd Extension to Westridge Dr	Extension	\$15,452,225	22	Persimmon Dr Extension to Bear Kat Blvd	Extension	\$4,335,358
2	Connect Stewart Rd to FM 2296 over IH 45	Extension	\$60,375,056	9	Outer Loop	Extension	\$320,031,611	16	Smither Dr Extension from Veterans Memorial Pkwy to FM 1791	Extension	\$42,201,509	23	Couplets: NORTH - SOUTH: Sam Houston Ave and University Ave (FM 247)	Couplet	N/A
3	Park Road 40 Extension from SH 75 to FM 2929	Extension	\$38,288,804	10	Veterans Memorial Pkwy Extension from IH 45 to FM 2821	Extension	\$9,944,209	17	Ball Rd Extension to Winchester Rd (Texas Grand Ranch)	Extension	\$3,500,060	24	Couplets: EAST - WEST: 10th St and 11th St	Couplet	N/A
4	Build SH 19 Frontage Roads from IH 45 to SH 30	Extension	\$45,353,224	11	Moffett Springs Rd Extension to Outer Loop	Extension	\$14,805,741	18	American Legion Dr Extension to Jenkins Rd	Extension	\$10,648,077	25	Sam Houston Ave Widening to Seven Lanes from Montgomery Rd to SH 19	Widening	\$15,371,362
5	E Mosley Ln Extension to SH 19	Extension	\$5,047,565	12	Build Southbound Frontage Road along IH 45 from Pinedale Rd to Existing Frontage Road	Extension	\$18,298,260	19	Jenkins Rd Extension to Rosenwall Rd	Extension	\$11,070,518	26	FM 247 Widening to Four Lanes from FM 2821 to 11th St	Widening	\$16,310,523
6	Bearkat Blvd Extension to Old Phelps Rd	Extension	\$11,602,189	13	Build Roadway Parallel to Veterans Memorial Pkwy from FM 1791 to Montgomery Rd	Extension	\$70,528,724	20	Roadway Extension from FM 247 and FM 980 to SH 19	Extension	\$28,838,085				
7	Summer Pl St Extension to Veterans Memorial Pkwy	Extension	\$80,639,011	14	Parkwood St Extension from IH 45 to Timberwilde Way	Extension	\$46,618,548	21	1st St Extension to Goodrich Dr	Extension	\$13,430,935				

Appendix E: Cost Estimates

HIGHWAY:	FM 247 Widening	 Texas Department of Transportation
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	FM 2821 to 11th St	
LIMITS:		
LENGTH:	1.42 Miles	
ESTIMATE BY:		SEPTEMBER 2018
DATE:		

	PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
	FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	46700	\$ 75.00	\$3,502,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS					\$3,502,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	75.00	\$7,500.00	\$562,500.00
104 6001	REMOVING CONC (PAV)	SY	23,400.00	\$7.00	\$163,800.00
110 6001	EXCAVATION (ROADWAY)	CY	31,100.00	\$8.00	\$248,800.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	14,000.00	\$7.00	\$98,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	15,000.00	\$4.00	\$60,000.00
530 6004	DRIVEWAYS (CONC)	SY	500.00	\$65.00	\$32,500.00
531 6001	CONC SIDEWALKS (4")	SY	8,330.00	\$60.00	\$499,800.00
SUBTOTAL ROADWAY ADD-ONS					\$1,665,400.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	1.42	\$1,800,000.00	\$2,556,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	1.42	\$70,000.00	\$99,400.00
SUBTOTAL DRAINAGE					\$2,655,400.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	1.42	\$30,000.00	\$42,600.00
SUBTOTAL SIGNING					\$42,600.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	1.42	\$25,000.00	\$35,500.00
SUBTOTAL PAVEMENT MARKINGS					\$35,500.00

SUBTOTAL \$7,901,400.00

500	MOBILIZATION	LS	1.00	10 %	\$790,140.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	18.00	\$5,000.00	\$90,000.00
SUBTOTAL TRAFFIC CONTROL					\$90,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$8,781,540.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
Widening	2	4	24	1.42	7497.6
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$8,781,540.00	\$1,317,231.00
	CONTINGENCY		30%	\$8,781,540.00	\$2,634,462.00
	UTILITY RELOCATION		10%	\$8,781,540.00	\$878,154.00
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	179,942.40	\$15.00	\$2,699,136.00
SUBTOTAL ADDITIONAL ITEMS					\$7,528,983.00

TOTAL COST ESTIMATE (FY 2019) \$16,310,523.00

HIGHWAY:	Sam Houston Ave Widening
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	Montgomery Rd to SH 19
LIMITS:	
LENGTH:	1.07 Miles
ESTIMATE BY:	
DATE:	



SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	55240	\$ 75.00	\$4,143,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$4,143,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	56.00	\$7,500.00	\$420,000.00
104 6001	REMOVING CONC (PAV)	SY	37,700.00	\$7.00	\$263,900.00
110 6001	EXCAVATION (ROADWAY)	CY	36,827.00	\$8.00	\$294,616.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	15,000.00	\$7.00	\$105,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	11,300.00	\$4.00	\$45,200.00
530 6004	DRIVEWAYS (CONC)	SY	500.00	\$65.00	\$32,500.00
531 6001	CONC SIDEWALKS (4")	SY	6,280.00	\$60.00	\$376,800.00

DRAINAGE

STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	1.07	\$1,800,000.00	\$1,926,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	1.07	\$70,000.00	\$74,900.00
SUBTOTAL DRAINAGE					\$2,000,900.00

SIGNING

SIGNING	OTHER ROADWAYS	MI	1.07	\$30,000.00	\$32,100.00
SUBTOTAL SIGNING					\$32,100.00

PAVEMENT MARKINGS

STRIPING	TWO LANE RURAL	MI	1.07	\$25,000.00	\$26,750.00
SUBTOTAL PAVEMENT MARKINGS					\$26,750.00

SUBTOTAL \$7,740,766.00

500	MOBILIZATION	LS	1.00	10 %	\$774,076.60
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502 TRAFFIC CONTROL

TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	18.00	\$5,000.00	\$90,000.00
SUBTOTAL TRAFFIC CONTROL					\$90,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$8,604,842.60

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
widening	5	7	24	1.07	5649.6
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$8,604,842.60	\$1,290,726.39
	CONTINGENCY		30%	\$8,604,842.60	\$2,581,452.78
	UTILITY RELOCATION		10%	\$8,604,842.60	\$860,484.26
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	135,590.40	\$15.00	\$2,033,856.00
SUBTOTAL ADDITIONAL ITEMS					\$6,766,519.43

TOTAL COST ESTIMATE (FY 2019) \$15,371,362.03

HIGHWAY:	Montgomery Rd Widening	 SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	IH 45 to Darrell White Rd	
LIMITS:		
LENGTH:	1.81 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	55220	\$ 75.00	\$4,141,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$4,141,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	96.00	\$7,500.00	\$720,000.00
104 6001	REMOVING CONC (PAV)	SY	29,750.00	\$7.00	\$208,250.00
110 6001	EXCAVATION (ROADWAY)	CY	106,190.00	\$8.00	\$849,520.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	50,000.00	\$7.00	\$350,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	19,200.00	\$4.00	\$76,800.00
530 6004	DRIVEWAYS (CONC)	SY	500.00	\$65.00	\$32,500.00
531 6001	CONC SIDEWALKS (4")	SY	10,620.00	\$60.00	\$637,200.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	1.81	\$1,800,000.00	\$3,258,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	1.81	\$70,000.00	\$126,700.00
SUBTOTAL DRAINAGE					\$3,384,700.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	1.81	\$30,000.00	\$54,300.00
SUBTOTAL SIGNING					\$54,300.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	1.81	\$25,000.00	\$45,250.00
SUBTOTAL PAVEMENT MARKINGS					\$45,250.00

SUBTOTAL \$10,500,020.00

500	MOBILIZATION	LS	1.00	10 %	\$1,050,002.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	24.00	\$5,000.00	\$120,000.00
SUBTOTAL TRAFFIC CONTROL					\$120,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$11,670,022.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
widening	2	4	24	1.81	9556.8
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$11,670,022.00	\$1,750,503.30
	CONTINGENCY		30%	\$11,670,022.00	\$3,501,006.60
	UTILITY RELOCATION		10%	\$11,670,022.00	\$1,167,002.20
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM	y	229,363.20	\$7.00	\$1,605,542.40
	ROW ACQUISITION - LONG TERM		0.00	\$15.00	\$0.00
SUBTOTAL ADDITIONAL ITEMS					\$8,024,054.50

TOTAL COST ESTIMATE (FY 2019) \$19,694,076.50

HIGHWAY:	Veterans Memorial Pkwy Widening	 Texas Department of Transportation SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Montgomery Rd to IH 45	
LIMITS:		
LENGTH:	2.8 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS		UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)		SY	85420	\$ 75.00	\$6,406,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS					\$6,406,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	148.00	\$7,500.00	\$1,110,000.00
104 6001	REMOVING CONC (PAV)	SY	46,000.00	\$7.00	\$322,000.00
110 6001	EXCAVATION (ROADWAY)	CY	54,800.00	\$8.00	\$438,400.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	25,000.00	\$7.00	\$175,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	29,600.00	\$4.00	\$118,400.00
530 6004	DRIVEWAYS (CONC)	SY	500.00	\$65.00	\$32,500.00
531 6001	CONC SIDEWALKS (4")	SY	16,430.00	\$60.00	\$985,800.00
SUBTOTAL ROADWAY ADD-ONS					\$3,182,100.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	2.80	\$1,800,000.00	\$5,040,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	2.80	\$70,000.00	\$196,000.00
SUBTOTAL DRAINAGE					\$5,236,000.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	2.80	\$30,000.00	\$84,000.00
SUBTOTAL SIGNING					\$84,000.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	2.80	\$25,000.00	\$70,000.00
SUBTOTAL PAVEMENT MARKINGS					\$70,000.00

SUBTOTAL \$14,978,600.00

500	MOBILIZATION	LS	1.00	10 %	\$1,497,860.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	36.00	\$5,000.00	\$180,000.00
SUBTOTAL TRAFFIC CONTROL					\$180,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$16,656,460.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
widening	2	4	24	2.8	14784
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$16,656,460.00	\$2,498,469.00
	CONTINGENCY		30%	\$16,656,460.00	\$4,996,938.00
	UTILITY RELOCATION		10%	\$16,656,460.00	\$1,665,646.00
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM	y	354,816.00	\$7.00	\$2,483,712.00
	ROW ACQUISITION - LONG TERM		0.00	\$15.00	\$0.00
SUBTOTAL ADDITIONAL ITEMS					\$11,644,765.00

TOTAL COST ESTIMATE (FY 2019) \$28,301,225.00

HIGHWAY:	Sycamore Ave	 <p>Texas Department of Transportation</p>
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:		
LIMITS:		
LENGTH:	1.69 Miles	
ESTIMATE BY:		
DATE:		SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	63500	\$ 75.00	\$4,762,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$4,762,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	90.00	\$7,500.00	\$675,000.00
104 6001	REMOVING CONC (PAV)	SY	27,800.00	\$7.00	\$194,600.00
110 6001	EXCAVATION (ROADWAY)	CY	37,100.00	\$8.00	\$296,800.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	15,000.00	\$7.00	\$105,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	17,850.00	\$4.00	\$71,400.00
530 6004	DRIVEWAYS (CONC)	SY	500.00	\$65.00	\$32,500.00
531 6001	CONC SIDEWALKS (4")	SY	9,920.00	\$60.00	\$595,200.00
531 6004	CURB RAMPS (TY 1)	EA	10.00	\$2,000.00	\$20,000.00
536 2002	CONC MEDIAN	SY	9,950.00	\$50.00	\$497,500.00
SUBTOTAL ROADWAY ADD-ONS					\$2,488,000.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	1.69	\$1,800,000.00	\$3,042,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	1.69	\$70,000.00	\$118,300.00
SUBTOTAL DRAINAGE					\$3,160,300.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	1.69	\$30,000.00	\$50,700.00
SUBTOTAL SIGNING					\$50,700.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	1.69	\$25,000.00	\$42,250.00
SUBTOTAL PAVEMENT MARKINGS					\$42,250.00

SUBTOTAL \$10,503,750.00

500	MOBILIZATION	LS	1.00	10 %	\$1,050,375.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	24.00	\$5,000.00	\$120,000.00
SUBTOTAL TRAFFIC CONTROL					\$120,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$11,674,125.00

Project Type	Exist Lanes	Prop Lanes	New ROW Need	Project Length (MI)	Project Length (FT)
widening	3	5	24	1.69	8923.2
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$11,674,125.00	\$1,751,118.75
	CONTINGENCY		30%	\$11,674,125.00	\$3,502,237.50
	UTILITY RELOCATION		10%	\$11,674,125.00	\$1,167,412.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM	y	214,156.80	\$7.00	\$1,499,097.60
	ROW ACQUISITION - LONG TERM		0.00	\$15.00	\$0.00
SUBTOTAL ADDITIONAL ITEMS					\$7,919,866.35

TOTAL COST ESTIMATE (FY 2019) \$19,593,991.35

HIGHWAY:	Persimmon Dr
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	Extend to Bearkat Blvd
LIMITS:	
LENGTH:	0.31 Miles
ESTIMATE BY:	
DATE:	



SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS		UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)		SY	7820	\$ 75.00	\$586,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS					\$586,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	16.00	\$7,500.00	\$120,000.00
110 6001	EXCAVATION (ROADWAY)	CY	5,200.00	\$8.00	\$41,600.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	2,000.00	\$7.00	\$14,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	3,300.00	\$4.00	\$13,200.00
530 6004	DRIVEWAYS (CONC)	SY	100.00	\$65.00	\$6,500.00
531 6001	CONC SIDEWALKS (4")	SY	1,820.00	\$60.00	\$109,200.00

DRAINAGE

STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.31	\$1,800,000.00	\$558,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.31	\$70,000.00	\$21,700.00
SUBTOTAL DRAINAGE					\$579,700.00

SIGNING

SIGNING	OTHER ROADWAYS	MI	0.31	\$30,000.00	\$9,300.00
SUBTOTAL SIGNING					\$9,300.00

PAVEMENT MARKINGS

STRIPING	TWO LANE RURAL	MI	0.31	\$25,000.00	\$7,750.00
SUBTOTAL PAVEMENT MARKINGS					\$7,750.00

SUBTOTAL \$1,487,750.00

500	MOBILIZATION	LS	1.00	10 %	\$148,775.00
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502 TRAFFIC CONTROL

TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	4.00	\$5,000.00	\$20,000.00
SUBTOTAL TRAFFIC CONTROL					\$20,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$1,656,525.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.31	1636.8
ADDITIONAL ITEMS					
			15%	\$1,656,525.00	\$248,478.75
			30%	\$1,656,525.00	\$496,957.50
			10%	\$1,656,525.00	\$165,652.50
		type in "y"	SQ FT	PRICE/SQ FT	
			0.00	\$5.00	\$0.00
			0.00	\$7.00	\$0.00
		y	117,849.60	\$15.00	\$1,767,744.00
SUBTOTAL ADDITIONAL ITEMS					\$2,678,832.75

TOTAL COST ESTIMATE (FY 2019) \$4,335,357.75

HIGHWAY:	1st St
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	Extend to Goodrich Dr
LIMITS:	
LENGTH:	0.96 Miles
ESTIMATE BY:	
DATE:	



SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	24200	\$ 75.00	\$1,815,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$1,815,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	51.00	\$7,500.00	\$382,500.00
110 6001	EXCAVATION (ROADWAY)	CY	16,200.00	\$8.00	\$129,600.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	6,500.00	\$7.00	\$45,500.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,100.00	\$4.00	\$40,400.00
530 6004	DRIVEWAYS (CONC)	SY	200.00	\$65.00	\$13,000.00
531 6001	CONC SIDEWALKS (4")	SY	5,635.00	\$60.00	\$338,100.00
SUBTOTAL ROADWAY ADD-ONS					\$949,100.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.96	\$1,800,000.00	\$1,728,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.96	\$70,000.00	\$67,200.00
SUBTOTAL DRAINAGE					\$1,795,200.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	0.96	\$30,000.00	\$28,800.00
SUBTOTAL SIGNING					\$28,800.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	0.96	\$25,000.00	\$24,000.00
SUBTOTAL PAVEMENT MARKINGS					\$24,000.00

SUBTOTAL \$4,612,100.00

500	MOBILIZATION	LS	1.00	10 %	\$461,210.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	12.00	\$5,000.00	\$60,000.00
SUBTOTAL TRAFFIC CONTROL					\$60,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$5,133,310.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.96	5068.8
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$5,133,310.00	\$769,996.50
	CONTINGENCY		30%	\$5,133,310.00	\$1,539,993.00
	UTILITY RELOCATION		10%	\$5,133,310.00	\$513,331.00
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	364,953.60	\$15.00	\$5,474,304.00
SUBTOTAL ADDITIONAL ITEMS					\$8,297,624.50

TOTAL COST ESTIMATE (FY 2019) \$13,430,934.50

HIGHWAY:	Roadway Extension	 SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	FM 247/FM 980 to SH 19	
LIMITS:		
LENGTH:	1.98 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	50000	\$ 75.00	\$3,750,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$3,750,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	105.00	\$7,500.00	\$787,500.00
110 6001	EXCAVATION (ROADWAY)	CY	33,300.00	\$8.00	\$266,400.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	14,000.00	\$7.00	\$98,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	21,000.00	\$4.00	\$84,000.00
530 6004	DRIVEWAYS (CONC)	SY	200.00	\$65.00	\$13,000.00
531 6001	CONC SIDEWALKS (4")	SY	11,620.00	\$60.00	\$697,200.00
SUBTOTAL ROADWAY ADD-ONS					\$1,946,100.00

BRIDGE					
BRIDGE	CONCRETE TX GIRDER	SF	9,000.00	\$75.00	\$675,000.00
SUBTOTAL BRIDGE					\$675,000.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	1.98	\$1,800,000.00	\$3,564,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	1.98	\$70,000.00	\$138,600.00
SUBTOTAL DRAINAGE					\$3,702,600.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	1.98	\$30,000.00	\$59,400.00
SUBTOTAL SIGNING					\$59,400.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	1.98	\$25,000.00	\$49,500.00
SUBTOTAL PAVEMENT MARKINGS					\$49,500.00

SUBTOTAL \$10,182,600.00

500	MOBILIZATION	LS	1.00	10 %	\$1,018,260.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	24.00	\$5,000.00	\$120,000.00
SUBTOTAL TRAFFIC CONTROL					\$120,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$11,320,860.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	1.98	10454.4
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING			15%	\$11,320,860.00
	CONTINGENCY			30%	\$3,396,258.00
	UTILITY RELOCATION			10%	\$1,132,086.00
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	752,716.80	\$15.00	\$11,290,752.00
SUBTOTAL ADDITIONAL ITEMS					\$17,517,225.00

TOTAL COST ESTIMATE (FY 2019) \$28,838,085.00

HIGHWAY:	Jenkins Rd	 SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Extend to Rosenwall Rd	
LIMITS:		
LENGTH:	0.79 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	20000	\$ 75.00	\$1,500,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$1,500,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	42.00	\$7,500.00	\$315,000.00
110 6001	EXCAVATION (ROADWAY)	CY	13,300.00	\$8.00	\$106,400.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	5,500.00	\$7.00	\$38,500.00
529 6005	CONC CURB (MONO) (TY II)	LF	8,400.00	\$4.00	\$33,600.00
530 6004	DRIVEWAYS (CONC)	SY	200.00	\$65.00	\$13,000.00
531 6001	CONC SIDEWALKS (4")	SY	4,635.00	\$60.00	\$278,100.00
SUBTOTAL ROADWAY ADD-ONS					\$784,600.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.79	\$1,800,000.00	\$1,422,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.79	\$70,000.00	\$55,300.00
SUBTOTAL DRAINAGE					\$1,477,300.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	0.79	\$30,000.00	\$23,700.00
SUBTOTAL SIGNING					\$23,700.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	0.79	\$25,000.00	\$19,750.00
SUBTOTAL PAVEMENT MARKINGS					\$19,750.00
SUBTOTAL					\$3,805,350.00

500	MOBILIZATION	LS	1.00	10 %	\$380,535.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	10.00	\$5,000.00	\$50,000.00
SUBTOTAL TRAFFIC CONTROL					\$50,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019)					\$4,235,885.00
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Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.79	4171.2
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$4,235,885.00	\$635,382.75
	CONTINGENCY		30%	\$4,235,885.00	\$1,270,765.50
	UTILITY RELOCATION		10%	\$4,235,885.00	\$423,588.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	300,326.40	\$15.00	\$4,504,896.00
SUBTOTAL ADDITIONAL ITEMS					\$6,834,632.75

TOTAL COST ESTIMATE (FY 2019)					\$11,070,517.75
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HIGHWAY:	American Legion Dr	 SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Extend to Jenkins Rd	
LIMITS:		
LENGTH:	0.72 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	18200	\$ 75.00	\$1,365,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$1,365,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	38.00	\$7,500.00	\$285,000.00
110 6001	EXCAVATION (ROADWAY)	CY	12,100.00	\$8.00	\$96,800.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	3,500.00	\$7.00	\$24,500.00
529 6005	CONC CURB (MONO) (TY II)	LF	7,600.00	\$4.00	\$30,400.00
530 6004	DRIVEWAYS (CONC)	SY	200.00	\$65.00	\$13,000.00
531 6001	CONC SIDEWALKS (4")	SY	4,225.00	\$60.00	\$253,500.00
SUBTOTAL ROADWAY ADD-ONS					\$703,200.00

BRIDGE		UNITS	EST. QTY.	UNIT COST	AMOUNT
BRIDGE	CONCRETE TX GIRDER	SF	4,500.00	\$75.00	\$337,500.00
SUBTOTAL BRIDGE					\$337,500.00

DRAINAGE		UNITS	EST. QTY.	UNIT COST	AMOUNT
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.72	\$1,800,000.00	\$1,296,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.72	\$70,000.00	\$50,400.00
SUBTOTAL DRAINAGE					\$1,346,400.00

SIGNING		UNITS	EST. QTY.	UNIT COST	AMOUNT
SIGNING	OTHER ROADWAYS	MI	0.72	\$30,000.00	\$21,600.00
SUBTOTAL SIGNING					\$21,600.00

PAVEMENT MARKINGS		UNITS	EST. QTY.	UNIT COST	AMOUNT
STRIPING	TWO LANE RURAL	MI	0.72	\$25,000.00	\$18,000.00
SUBTOTAL PAVEMENT MARKINGS					\$18,000.00

SUBTOTAL \$3,791,700.00

500	MOBILIZATION	LS	1.00	10 %	\$379,170.00
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502 TRAFFIC CONTROL		UNITS	EST. QTY.	UNIT COST	AMOUNT
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	10.00	\$5,000.00	\$50,000.00
SUBTOTAL TRAFFIC CONTROL					\$50,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$4,220,870.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.72	3801.6
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING			15%	\$4,220,870.00
	CONTINGENCY			30%	\$4,220,870.00
	UTILITY RELOCATION			10%	\$4,220,870.00
		type in "y"		SQ FT	PRICE/SQ FT
	ROW ACQUISITION - SHORT TERM			0.00	\$5.00
	ROW ACQUISITION - MID TERM			0.00	\$7.00
	ROW ACQUISITION - LONG TERM	y	273,715.20	\$15.00	\$4,105,728.00
SUBTOTAL ADDITIONAL ITEMS					\$6,427,206.50

TOTAL COST ESTIMATE (FY 2019) \$10,648,076.50

HIGHWAY:	Roadway Extension	 Texas Department of Transportation SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Ravenwood Village Dr to Smither Dr	
LIMITS:		
LENGTH:	0.51 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	12900	\$ 75.00	\$967,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$967,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	27.00	\$7,500.00	\$202,500.00
110 6001	EXCAVATION (ROADWAY)	CY	8,600.00	\$8.00	\$68,800.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	2,500.00	\$7.00	\$17,500.00
529 6005	CONC CURB (MONO) (TY II)	LF	5,400.00	\$4.00	\$21,600.00
530 6004	DRIVEWAYS (CONC)	SY	100.00	\$65.00	\$6,500.00
531 6001	CONC SIDEWALKS (4")	SY	2,995.00	\$60.00	\$179,700.00
SUBTOTAL ROADWAY ADD-ONS					\$496,600.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.51	\$1,800,000.00	\$918,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.51	\$70,000.00	\$35,700.00
SUBTOTAL DRAINAGE					\$953,700.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	0.51	\$30,000.00	\$15,300.00
SUBTOTAL SIGNING					\$15,300.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	0.51	\$25,000.00	\$12,750.00
SUBTOTAL PAVEMENT MARKINGS					\$12,750.00

SUBTOTAL \$2,445,850.00

500	MOBILIZATION	LS	1.00	10 %	\$244,585.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	8.00	\$5,000.00	\$40,000.00
SUBTOTAL TRAFFIC CONTROL					\$40,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$2,730,435.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.51	2692.8
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$2,730,435.00	\$409,565.25
	CONTINGENCY		30%	\$2,730,435.00	\$819,130.50
	UTILITY RELOCATION		10%	\$2,730,435.00	\$273,043.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM	y	193,881.60	\$7.00	\$1,357,171.20
	ROW ACQUISITION - LONG TERM		0.00	\$15.00	\$0.00
SUBTOTAL ADDITIONAL ITEMS					\$2,858,910.45

TOTAL COST ESTIMATE (FY 2019) \$5,589,345.45

HIGHWAY:	Ball Road
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	Extend to Winchester Rd
LIMITS:	
LENGTH:	0.25 Miles
ESTIMATE BY:	
DATE:	



SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	6300	\$ 75.00	\$472,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$472,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	13.00	\$7,500.00	\$97,500.00
110 6001	EXCAVATION (ROADWAY)	CY	4,200.00	\$8.00	\$33,600.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	1,200.00	\$7.00	\$8,400.00
529 6005	CONC CURB (MONO) (TY II)	LF	2,640.00	\$4.00	\$10,560.00
530 6004	DRIVEWAYS (CONC)	SY	100.00	\$65.00	\$6,500.00
531 6001	CONC SIDEWALKS (4")	SY	1,470.00	\$60.00	\$88,200.00
SUBTOTAL ROADWAY ADD-ONS					\$244,760.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.25	\$1,800,000.00	\$450,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.25	\$70,000.00	\$17,500.00
SUBTOTAL DRAINAGE					\$467,500.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	0.25	\$30,000.00	\$7,500.00
SUBTOTAL SIGNING					\$7,500.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	0.25	\$25,000.00	\$6,250.00
SUBTOTAL PAVEMENT MARKINGS					\$6,250.00

SUBTOTAL \$1,198,510.00

500	MOBILIZATION	LS	1.00	10 %	\$119,851.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	4.00	\$5,000.00	\$20,000.00
SUBTOTAL TRAFFIC CONTROL					\$20,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$1,338,361.00

Project Type	Exist Lanes	Prop La	New ROW Need	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.25	1320
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$1,338,361.00	\$200,754.15
	CONTINGENCY		30%	\$1,338,361.00	\$401,508.30
	UTILITY RELOCATION		10%	\$1,338,361.00	\$133,836.10
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	95,040.00	\$15.00	\$1,425,600.00
SUBTOTAL ADDITIONAL ITEMS					\$2,161,698.55

TOTAL COST ESTIMATE (FY 2019) \$3,500,059.55

HIGHWAY:	Smither Dr	 SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Veterans Memorial Prky to FM 1791	
LIMITS:		
LENGTH:	2.94 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	74200	\$ 75.00	\$5,565,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$5,565,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	155.00	\$7,500.00	\$1,162,500.00
110 6001	EXCAVATION (ROADWAY)	CY	49,500.00	\$8.00	\$396,000.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	18,000.00	\$7.00	\$126,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	31,100.00	\$4.00	\$124,400.00
530 6004	DRIVEWAYS (CONC)	SY	250.00	\$65.00	\$16,250.00
531 6001	CONC SIDEWALKS (4")	SY	17,250.00	\$60.00	\$1,035,000.00
SUBTOTAL ROADWAY ADD-ONS					\$2,860,150.00

BRIDGE					
BRIDGE	CONCRETE TX GIRDER	SF	9,000.00	\$75.00	\$675,000.00
SUBTOTAL BRIDGE					\$675,000.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	2.94	\$1,800,000.00	\$5,292,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	2.94	\$70,000.00	\$205,800.00
SUBTOTAL DRAINAGE					\$5,497,800.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	2.94	\$30,000.00	\$88,200.00
SUBTOTAL SIGNING					\$88,200.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	2.94	\$25,000.00	\$73,500.00
SUBTOTAL PAVEMENT MARKINGS					\$73,500.00

SUBTOTAL \$14,759,650.00

500	MOBILIZATION	LS	1.00	10 %	\$1,475,965.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	35.00	\$5,000.00	\$175,000.00
SUBTOTAL TRAFFIC CONTROL					\$175,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$16,410,615.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	2.94	15523.2
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$16,410,615.00	\$2,461,592.25
	CONTINGENCY		30%	\$16,410,615.00	\$4,923,184.50
	UTILITY RELOCATION		10%	\$16,410,615.00	\$1,641,061.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	1,117,670.40	\$15.00	\$16,765,056.00
SUBTOTAL ADDITIONAL ITEMS					\$25,790,894.25

TOTAL COST ESTIMATE (FY 2019) \$42,201,509.25

HIGHWAY:	Colonel Etheridge Blvd	 SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Extend to Westridge Dr	
LIMITS:		
LENGTH:	1.02 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	25750	\$ 75.00	\$1,931,250.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$1,931,250.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	54.00	\$7,500.00	\$405,000.00
110 6001	EXCAVATION (ROADWAY)	CY	17,200.00	\$8.00	\$137,600.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	7,500.00	\$7.00	\$52,500.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,775.00	\$4.00	\$43,100.00
530 6004	DRIVEWAYS (CONC)	SY	250.00	\$65.00	\$16,250.00
531 6001	CONC SIDEWALKS (4")	SY	5,985.00	\$60.00	\$359,100.00
SUBTOTAL ROADWAY ADD-ONS					\$1,013,550.00

BRIDGE					
BRIDGE	CONCRETE TX GIRDER	SF	9,000.00	\$75.00	\$675,000.00
SUBTOTAL BRIDGE					\$675,000.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	1.02	\$1,800,000.00	\$1,836,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	1.02	\$70,000.00	\$71,400.00
SUBTOTAL DRAINAGE					\$1,907,400.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	1.02	\$30,000.00	\$30,600.00
SUBTOTAL SIGNING					\$30,600.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	1.02	\$25,000.00	\$25,500.00
SUBTOTAL PAVEMENT MARKINGS					\$25,500.00

SUBTOTAL \$5,583,300.00

500	MOBILIZATION	LS	1.00	10 %	\$558,330.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	15.00	\$5,000.00	\$75,000.00
SUBTOTAL TRAFFIC CONTROL					\$75,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$6,216,630.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	1.02	5385.6
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$6,216,630.00	\$932,494.50
	CONTINGENCY		30%	\$6,216,630.00	\$1,864,989.00
	UTILITY RELOCATION		10%	\$6,216,630.00	\$621,663.00
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	387,763.20	\$15.00	\$5,816,448.00
SUBTOTAL ADDITIONAL ITEMS					\$9,235,594.50

TOTAL COST ESTIMATE (FY 2019) \$15,452,224.50

HIGHWAY:	Parkwood St	 SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	IH 45 to FM 1791	
LIMITS:		
LENGTH:	3.29 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	83000	\$ 75.00	\$6,225,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$6,225,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	174.00	\$7,500.00	\$1,305,000.00
110 6001	EXCAVATION (ROADWAY)	CY	55,330.00	\$8.00	\$442,640.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	25,000.00	\$7.00	\$175,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	34,750.00	\$4.00	\$139,000.00
530 6004	DRIVEWAYS (CONC)	SY	500.00	\$65.00	\$32,500.00
531 6001	CONC SIDEWALKS (4")	SY	19,300.00	\$60.00	\$1,158,000.00
SUBTOTAL ROADWAY ADD-ONS					\$3,252,140.00

BRIDGE					
BRIDGE	CONCRETE TX GIRDER	SF	4,500.00	\$75.00	\$337,500.00
SUBTOTAL BRIDGE					\$337,500.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	3.29	\$1,800,000.00	\$5,922,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	3.29	\$70,000.00	\$230,300.00
SUBTOTAL DRAINAGE					\$6,152,300.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	3.29	\$30,000.00	\$98,700.00
SUBTOTAL SIGNING					\$98,700.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	3.29	\$25,000.00	\$82,250.00
SUBTOTAL PAVEMENT MARKINGS					\$82,250.00

SUBTOTAL \$16,147,890.00

500	MOBILIZATION	LS	1.00	10 %	\$1,614,789.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	42.00	\$5,000.00	\$210,000.00
SUBTOTAL TRAFFIC CONTROL					\$210,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$17,972,679.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	3.29	17371.2
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING			15%	\$17,972,679.00
	CONTINGENCY			30%	\$5,391,803.70
	UTILITY RELOCATION			10%	\$1,797,267.90
		type in "y"		SQ FT	PRICE/SQ FT
	ROW ACQUISITION - SHORT TERM			0.00	\$5.00
	ROW ACQUISITION - MID TERM			0.00	\$7.00
	ROW ACQUISITION - LONG TERM	y	1,250,726.40	\$15.00	\$18,760,896.00
SUBTOTAL ADDITIONAL ITEMS					\$28,645,869.45

TOTAL COST ESTIMATE (FY 2019) \$46,618,548.45

HIGHWAY:	Parallel Roadway to Veterans Memorial Prky	 SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	FM 1791 to Montgomery Rd	
LIMITS:		
LENGTH:	4.96 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	125125	\$ 75.00	\$9,384,375.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$9,384,375.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	262.00	\$7,500.00	\$1,965,000.00
110 6001	EXCAVATION (ROADWAY)	CY	83,500.00	\$8.00	\$668,000.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	42,000.00	\$7.00	\$294,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	52,400.00	\$4.00	\$209,600.00
530 6004	DRIVEWAYS (CONC)	SY	500.00	\$65.00	\$32,500.00
531 6001	CONC SIDEWALKS (4")	SY	29,100.00	\$60.00	\$1,746,000.00
SUBTOTAL ROADWAY ADD-ONS					\$4,915,100.00

BRIDGE					
BRIDGE	CONCRETE TX GIRDER	SF	9,000.00	\$75.00	\$675,000.00
SUBTOTAL BRIDGE					\$675,000.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	4.96	\$1,800,000.00	\$8,928,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	4.96	\$70,000.00	\$347,200.00
SUBTOTAL DRAINAGE					\$9,275,200.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	4.96	\$30,000.00	\$148,800.00
SUBTOTAL SIGNING					\$148,800.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	4.96	\$25,000.00	\$124,000.00
SUBTOTAL PAVEMENT MARKINGS					\$124,000.00
SUBTOTAL					\$24,522,475.00

500	MOBILIZATION	LS	1.00	10 %	\$2,452,247.50
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	56.00	\$5,000.00	\$280,000.00
SUBTOTAL TRAFFIC CONTROL					\$280,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019)					\$27,254,722.50
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Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
new roadway	0	3	72	4.96	26188.8
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$27,254,722.50	\$4,088,208.38
	CONTINGENCY		30%	\$27,254,722.50	\$8,176,416.75
	UTILITY RELOCATION		10%	\$27,254,722.50	\$2,725,472.25
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	1,885,593.60	\$15.00	\$28,283,904.00
SUBTOTAL ADDITIONAL ITEMS					\$43,274,001.38

TOTAL COST ESTIMATE (FY 2019)					\$70,528,723.88
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HIGHWAY:	IH 45 SB Frontage Road	 Texas Department of Transportation
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Pinedale to Existing Frtg Rd	
LIMITS:		
LENGTH:	1.43 Miles	
ESTIMATE BY:		SEPTEMBER 2018
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	24400	\$ 75.00	\$1,830,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$1,830,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	76.00	\$7,500.00	\$570,000.00
110 6001	EXCAVATION (ROADWAY)	CY	16,200.00	\$8.00	\$129,600.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	4,200.00	\$7.00	\$29,400.00
529 6005	CONC CURB (MONO) (TY II)	LF	15,100.00	\$4.00	\$60,400.00
530 6004	DRIVEWAYS (CONC)	SY	200.00	\$65.00	\$13,000.00
531 6001	CONC SIDEWALKS (4")	SY	4,200.00	\$60.00	\$252,000.00
SUBTOTAL ROADWAY ADD-ONS					\$1,054,400.00

DRAINAGE					
STORM DRAINS	FREEWAY MAIN LANES AND FRONTAGE ROADS	MI	1.43	\$1,800,000.00	\$2,574,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	1.43	\$70,000.00	\$100,100.00
SUBTOTAL DRAINAGE					\$2,674,100.00

SIGNING					
SIGNING	FRONTAGE ROADS	MI	1.43	\$15,000.00	\$21,450.00
SUBTOTAL SIGNING					\$21,450.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE FRONTAGE ROAD	MI	1.43	\$20,000.00	\$28,600.00
SUBTOTAL PAVEMENT MARKINGS					\$28,600.00

SUBTOTAL \$5,608,550.00

500	MOBILIZATION	LS	1.00	10 %	\$560,855.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Major Projects (Fwy Construction)	MO	15.00	\$25,000.00	\$375,000.00
SUBTOTAL TRAFFIC CONTROL					\$375,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$6,544,405.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	2	72	1.43	7550.4
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$6,544,405.00	\$981,660.75
	CONTINGENCY		30%	\$6,544,405.00	\$1,963,321.50
	UTILITY RELOCATION		10%	\$6,544,405.00	\$654,440.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	543,628.80	\$15.00	\$8,154,432.00
SUBTOTAL ADDITIONAL ITEMS					\$11,753,854.75

TOTAL COST ESTIMATE (FY 2019) \$18,298,259.75

HIGHWAY:	Moffett Springs Rd	 Texas Department of Transportation SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Extend to Outer Loop	
LIMITS:		
LENGTH:	1.06 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS		UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY	(INCLUDES CRCP, BASE AND SUBGRADE)	SY	26750	\$ 75.00	\$2,006,250.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS					\$2,006,250.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	56.00	\$7,500.00	\$420,000.00
110 6001	EXCAVATION (ROADWAY)	CY	17,900.00	\$8.00	\$143,200.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	4,200.00	\$7.00	\$29,400.00
529 6005	CONC CURB (MONO) (TY II)	LF	11,200.00	\$4.00	\$44,800.00
530 6004	DRIVEWAYS (CONC)	SY	200.00	\$65.00	\$13,000.00
531 6001	CONC SIDEWALKS (4")	SY	6,220.00	\$60.00	\$373,200.00
SUBTOTAL ROADWAY ADD-ONS					\$1,023,600.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	1.06	\$1,800,000.00	\$1,908,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	1.06	\$70,000.00	\$74,200.00
SUBTOTAL DRAINAGE					\$1,982,200.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	1.06	\$30,000.00	\$31,800.00
SUBTOTAL SIGNING					\$31,800.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	1.06	\$25,000.00	\$26,500.00
SUBTOTAL PAVEMENT MARKINGS					\$26,500.00

SUBTOTAL \$5,070,350.00

500	MOBILIZATION	LS	1.00	10 %	\$507,035.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	15.00	\$5,000.00	\$75,000.00
SUBTOTAL TRAFFIC CONTROL					\$75,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$5,652,385.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	1.06	5596.8
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$5,652,385.00	\$847,857.75
	CONTINGENCY		30%	\$5,652,385.00	\$1,695,715.50
	UTILITY RELOCATION		10%	\$5,652,385.00	\$565,238.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	402,969.60	\$15.00	\$6,044,544.00
SUBTOTAL ADDITIONAL ITEMS					\$9,153,355.75

TOTAL COST ESTIMATE (FY 2019) \$14,805,740.75

HIGHWAY:	Veterans Memorial Parkway
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	IH 45 to FM 2821
LIMITS:	
LENGTH:	0.67 Miles
ESTIMATE BY:	
DATE:	



SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	16900	\$ 75.00	\$1,267,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$1,267,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	35.00	\$7,500.00	\$262,500.00
110 6001	EXCAVATION (ROADWAY)	CY	11,300.00	\$8.00	\$90,400.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	3,500.00	\$7.00	\$24,500.00
529 6005	CONC CURB (MONO) (TY II)	LF	7,100.00	\$4.00	\$28,400.00
530 6004	DRIVEWAYS (CONC)	SY	150.00	\$65.00	\$9,750.00
531 6001	CONC SIDEWALKS (4")	SY	3,930.00	\$60.00	\$235,800.00
SUBTOTAL ROADWAY ADD-ONS					\$651,350.00

BRIDGE		UNITS	EST. QTY.	UNIT COST	AMOUNT
BRIDGE	CONCRETE TX GIRDER	SF	4,500.00	\$75.00	\$337,500.00
SUBTOTAL BRIDGE					\$337,500.00

DRAINAGE		UNITS	EST. QTY.	UNIT COST	AMOUNT
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.67	\$1,800,000.00	\$1,206,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.67	\$70,000.00	\$46,900.00
SUBTOTAL DRAINAGE					\$1,252,900.00

SIGNING		UNITS	EST. QTY.	UNIT COST	AMOUNT
SIGNING	OTHER ROADWAYS	MI	0.67	\$30,000.00	\$20,100.00
SUBTOTAL SIGNING					\$20,100.00

PAVEMENT MARKINGS		UNITS	EST. QTY.	UNIT COST	AMOUNT
STRIPING	TWO LANE RURAL	MI	0.67	\$25,000.00	\$16,750.00
SUBTOTAL PAVEMENT MARKINGS					\$16,750.00

SUBTOTAL **\$3,546,100.00**

500	MOBILIZATION	LS	1.00	10 %	\$354,610.00
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502 TRAFFIC CONTROL		UNITS	EST. QTY.	UNIT COST	AMOUNT
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	10.00	\$5,000.00	\$50,000.00
SUBTOTAL TRAFFIC CONTROL					\$50,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) **\$3,950,710.00**

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.67	3537.6
ADDITIONAL ITEMS					
			15%	\$3,950,710.00	\$592,606.50
			30%	\$3,950,710.00	\$1,185,213.00
			10%	\$3,950,710.00	\$395,071.00
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	254,707.20	\$15.00	\$3,820,608.00
SUBTOTAL ADDITIONAL ITEMS					\$5,993,498.50

TOTAL COST ESTIMATE (FY 2019) **\$9,944,208.50**

HIGHWAY:	Outer Loop	
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:		
LIMITS:		
LENGTH:	22.25 Miles	
ESTIMATE BY:		SEPTEMBER 2018
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	561300	\$ 75.00	\$42,097,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$42,097,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	1,175.00	\$10,000.00	\$11,750,000.00
110 6001	EXCAVATION (ROADWAY)	CY	374,200.00	\$8.00	\$2,993,600.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	125,000.00	\$7.00	\$875,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	235,000.00	\$4.00	\$940,000.00
530 6004	DRIVEWAYS (CONC)	SY	500.00	\$65.00	\$32,500.00
531 6001	CONC SIDEWALKS (4")	SY	130,540.00	\$60.00	\$7,832,400.00
SUBTOTAL ROADWAY ADD-ONS					\$24,423,500.00

BRIDGE		UNITS	EST. QTY.	UNIT COST	AMOUNT
BRIDGE	CONCRETE TX GIRDER	SF	27,000.00	\$75.00	\$2,025,000.00
SUBTOTAL BRIDGE					\$2,025,000.00

DRAINAGE		UNITS	EST. QTY.	UNIT COST	AMOUNT
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	22.25	\$1,800,000.00	\$40,050,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	22.25	\$70,000.00	\$1,557,500.00
SUBTOTAL DRAINAGE					\$41,607,500.00

SIGNING		UNITS	EST. QTY.	UNIT COST	AMOUNT
SIGNING	OTHER ROADWAYS	MI	22.25	\$30,000.00	\$667,500.00
SUBTOTAL SIGNING					\$667,500.00

PAVEMENT MARKINGS		UNITS	EST. QTY.	UNIT COST	AMOUNT
STRIPING	TWO LANE RURAL	MI	22.25	\$25,000.00	\$556,250.00
SUBTOTAL PAVEMENT MARKINGS					\$556,250.00

SUBTOTAL \$111,377,250.00

500	MOBILIZATION	LS	1.00	10 %	\$11,137,725.00
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502 TRAFFIC CONTROL		UNITS	EST. QTY.	UNIT COST	AMOUNT
TRAF CTRL	Major Projects (Fwy Construction)	MO	84.00	\$25,000.00	\$2,100,000.00
SUBTOTAL TRAFFIC CONTROL					\$2,100,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$124,614,975.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
new roadway	0	3	72	22.25	117480
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$124,614,975.00	\$18,692,246.25
	CONTINGENCY		30%	\$124,614,975.00	\$37,384,492.50
	UTILITY RELOCATION		10%	\$124,614,975.00	\$12,461,497.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	8,458,560.00	\$15.00	\$126,878,400.00
SUBTOTAL ADDITIONAL ITEMS					\$195,416,636.25

TOTAL COST ESTIMATE (FY 2019) \$320,031,611.25

HIGHWAY:	Woodward Dr
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	Veterans Memorial Prky to Outer Loop
LIMITS:	
LENGTH:	3.77 Miles
ESTIMATE BY:	
DATE:	



SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	95100	\$ 75.00	\$7,132,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$7,132,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	199.00	\$7,500.00	\$1,492,500.00
110 6001	EXCAVATION (ROADWAY)	CY	63,400.00	\$8.00	\$507,200.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	25,000.00	\$7.00	\$175,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	39,800.00	\$4.00	\$159,200.00
530 6004	DRIVEWAYS (CONC)	SY	250.00	\$65.00	\$16,250.00
531 6001	CONC SIDEWALKS (4")	SY	22,120.00	\$60.00	\$1,327,200.00
SUBTOTAL ROADWAY ADD-ONS					\$3,677,350.00

BRIDGE					
BRIDGE	CONCRETE TX GIRDER	SF	4,500.00	\$75.00	\$337,500.00
SUBTOTAL BRIDGE					\$337,500.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	3.77	\$1,800,000.00	\$6,786,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	3.77	\$70,000.00	\$263,900.00
SUBTOTAL DRAINAGE					\$7,049,900.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	3.77	\$30,000.00	\$113,100.00
SUBTOTAL SIGNING					\$113,100.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	3.77	\$25,000.00	\$94,250.00
SUBTOTAL PAVEMENT MARKINGS					\$94,250.00

SUBTOTAL \$18,404,600.00

500	MOBILIZATION	LS	1.00	10 %	\$1,840,460.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	42.00	\$5,000.00	\$210,000.00
SUBTOTAL TRAFFIC CONTROL					\$210,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$20,455,060.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	3.77	19905.6
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$20,455,060.00	\$3,068,259.00
	CONTINGENCY		30%	\$20,455,060.00	\$6,136,518.00
	UTILITY RELOCATION		10%	\$20,455,060.00	\$2,045,506.00
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	1,433,203.20	\$15.00	\$21,498,048.00
SUBTOTAL ADDITIONAL ITEMS					\$32,748,331.00

TOTAL COST ESTIMATE (FY 2019) \$53,203,391.00

HIGHWAY:	Sumac Rd	 Texas Department of Transportation SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Summer Pl St to Veterans Memorial Prky	
LIMITS:		
LENGTH:	5.78 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	145810	\$ 75.00	\$10,935,750.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$10,935,750.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	305.00	\$7,500.00	\$2,287,500.00
110 6001	EXCAVATION (ROADWAY)	CY	97,200.00	\$8.00	\$777,600.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	40,000.00	\$7.00	\$280,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	61,100.00	\$4.00	\$244,400.00
530 6004	DRIVEWAYS (CONC)	SY	500.00	\$65.00	\$32,500.00
531 6001	CONC SIDEWALKS (4")	SY	33,910.00	\$60.00	\$2,034,600.00
SUBTOTAL ROADWAY ADD-ONS					\$5,656,600.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	5.78	\$1,800,000.00	\$10,404,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	5.78	\$70,000.00	\$404,600.00
SUBTOTAL DRAINAGE					\$10,808,600.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	5.78	\$30,000.00	\$173,400.00
SUBTOTAL SIGNING					\$173,400.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	5.78	\$25,000.00	\$144,500.00
SUBTOTAL PAVEMENT MARKINGS					\$144,500.00

SUBTOTAL \$27,718,850.00

500	MOBILIZATION	LS	1.00	10 %	\$2,771,885.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	54.00	\$5,000.00	\$270,000.00
SUBTOTAL TRAFFIC CONTROL					\$270,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$30,760,735.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (F	Project Length (MI)	Project Length (FT)
extension	2	3	72	5.78	30518.4
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$30,760,735.00	\$4,614,110.25
	CONTINGENCY		30%	\$30,760,735.00	\$9,228,220.50
	UTILITY RELOCATION		10%	\$30,760,735.00	\$3,076,073.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	2,197,324.80	\$15.00	\$32,959,872.00
SUBTOTAL ADDITIONAL ITEMS					\$49,878,276.25

TOTAL COST ESTIMATE (FY 2019) \$80,639,011.25

HIGHWAY:	Powell Rd	 Texas Department of Transportation SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	IH 45 to Veterans Memorial Parkway	
LIMITS:		
LENGTH:	0.62 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	15640	\$ 75.00	\$1,173,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$1,173,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	33.00	\$7,500.00	\$247,500.00
110 6001	EXCAVATION (ROADWAY)	CY	10,430.00	\$8.00	\$83,440.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	2,500.00	\$7.00	\$17,500.00
529 6005	CONC CURB (MONO) (TY II)	LF	6,600.00	\$4.00	\$26,400.00
530 6004	DRIVEWAYS (CONC)	SY	250.00	\$65.00	\$16,250.00
531 6001	CONC SIDEWALKS (4")	SY	3,640.00	\$60.00	\$218,400.00
SUBTOTAL ROADWAY ADD-ONS					\$609,490.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.62	\$1,800,000.00	\$1,116,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.62	\$70,000.00	\$43,400.00
SUBTOTAL DRAINAGE					\$1,159,400.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	0.62	\$30,000.00	\$18,600.00
SUBTOTAL SIGNING					\$18,600.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	0.62	\$25,000.00	\$15,500.00
SUBTOTAL PAVEMENT MARKINGS					\$15,500.00

SUBTOTAL \$2,975,990.00

500	MOBILIZATION	LS	1.00	10 %	\$297,599.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	9.00	\$5,000.00	\$45,000.00
SUBTOTAL TRAFFIC CONTROL					\$45,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$3,318,589.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.62	3273.6
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$3,318,589.00	\$497,788.35
	CONTINGENCY		30%	\$3,318,589.00	\$995,576.70
	UTILITY RELOCATION		10%	\$3,318,589.00	\$331,858.90
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM	y	235,699.20	\$5.00	\$1,178,496.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM		0.00	\$15.00	\$0.00
SUBTOTAL ADDITIONAL ITEMS					\$3,003,719.95

TOTAL COST ESTIMATE (FY 2019) \$6,322,308.95

HIGHWAY:	Bearkat Blvd	 Texas Department of Transportation SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Extend to Old Phelps Rd	
LIMITS:		
LENGTH:	0.83 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS		UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)		SY	21000	\$ 75.00	\$1,575,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS					\$1,575,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	44.00	\$7,500.00	\$330,000.00
110 6001	EXCAVATION (ROADWAY)	CY	14,000.00	\$8.00	\$112,000.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	4,500.00	\$7.00	\$31,500.00
529 6005	CONC CURB (MONO) (TY II)	LF	8,800.00	\$4.00	\$35,200.00
530 6004	DRIVEWAYS (CONC)	SY	150.00	\$65.00	\$9,750.00
531 6001	CONC SIDEWALKS (4")	SY	4,870.00	\$60.00	\$292,200.00
SUBTOTAL ROADWAY ADD-ONS					\$810,650.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.83	\$1,800,000.00	\$1,494,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.83	\$70,000.00	\$58,100.00
SUBTOTAL DRAINAGE					\$1,552,100.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	0.83	\$30,000.00	\$24,900.00
SUBTOTAL SIGNING					\$24,900.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	0.83	\$25,000.00	\$20,750.00
SUBTOTAL PAVEMENT MARKINGS					\$20,750.00

SUBTOTAL \$3,983,400.00

500	MOBILIZATION	LS	1.00	10 %	\$398,340.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	10.00	\$5,000.00	\$50,000.00
SUBTOTAL TRAFFIC CONTROL					\$50,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$4,431,740.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.83	4382.4
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$4,431,740.00	\$664,761.00
	CONTINGENCY		30%	\$4,431,740.00	\$1,329,522.00
	UTILITY RELOCATION		10%	\$4,431,740.00	\$443,174.00
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	315,532.80	\$15.00	\$4,732,992.00
SUBTOTAL ADDITIONAL ITEMS					\$7,170,449.00

TOTAL COST ESTIMATE (FY 2019) \$11,602,189.00

HIGHWAY:	E Mosley Ln	 Texas Department of Transportation SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Extend to SH 19	
LIMITS:		
LENGTH:	0.36 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	9100	\$ 75.00	\$682,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$682,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	19.00	\$7,500.00	\$142,500.00
110 6001	EXCAVATION (ROADWAY)	CY	6,100.00	\$8.00	\$48,800.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	1,500.00	\$7.00	\$10,500.00
529 6005	CONC CURB (MONO) (TY II)	LF	3,800.00	\$4.00	\$15,200.00
530 6004	DRIVEWAYS (CONC)	SY	150.00	\$65.00	\$9,750.00
531 6001	CONC SIDEWALKS (4")	SY	2,115.00	\$60.00	\$126,900.00
SUBTOTAL BRIDGE					\$0.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.36	\$1,800,000.00	\$648,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.36	\$70,000.00	\$25,200.00
SUBTOTAL DRAINAGE					\$673,200.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	0.36	\$30,000.00	\$10,800.00
SUBTOTAL SIGNING					\$10,800.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	0.36	\$25,000.00	\$9,000.00
SUBTOTAL PAVEMENT MARKINGS					\$9,000.00

SUBTOTAL \$1,729,150.00

500	MOBILIZATION	LS	1.00	10 %	\$172,915.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	6.00	\$5,000.00	\$30,000.00
SUBTOTAL TRAFFIC CONTROL					\$30,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$1,932,065.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.36	1900.8
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$1,932,065.00	\$289,809.75
	CONTINGENCY		30%	\$1,932,065.00	\$579,619.50
	UTILITY RELOCATION		10%	\$1,932,065.00	\$193,206.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	136,857.60	\$15.00	\$2,052,864.00
SUBTOTAL ADDITIONAL ITEMS					\$3,115,499.75

TOTAL COST ESTIMATE (FY 2019) \$5,047,564.75

HIGHWAY:	SH 19 Frontage Road
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	IH 45 to SH 30
LIMITS:	
LENGTH:	2.49 Miles
ESTIMATE BY:	
DATE:	



PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	42400	\$ 75.00	\$3,180,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$3,180,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	132.00	\$7,500.00	\$990,000.00
110 6001	EXCAVATION (ROADWAY)	CY	28,300.00	\$8.00	\$226,400.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	10,000.00	\$7.00	\$70,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	26,300.00	\$4.00	\$105,200.00
530 6004	DRIVEWAYS (CONC)	SY	500.00	\$65.00	\$32,500.00
531 6001	CONC SIDEWALKS (4")	SY	7,300.00	\$60.00	\$438,000.00
SUBTOTAL ROADWAY ADD-ONS					\$1,862,100.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	2.49	\$1,800,000.00	\$4,482,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	2.49	\$70,000.00	\$174,300.00
SUBTOTAL DRAINAGE					\$4,656,300.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	2.49	\$30,000.00	\$74,700.00
SUBTOTAL SIGNING					\$74,700.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	2.49	\$25,000.00	\$62,250.00
SUBTOTAL PAVEMENT MARKINGS					\$62,250.00

SUBTOTAL \$9,835,350.00

500	MOBILIZATION	LS	1.00	10 %	\$983,535.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	24.00	\$5,000.00	\$120,000.00
SUBTOTAL TRAFFIC CONTROL					\$120,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$10,938,885.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed	Project Length (MI)	Project Length (FT)
extension	2	2	144	2.49	13147.2
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$10,938,885.00	\$1,640,832.75
	CONTINGENCY		30%	\$10,938,885.00	\$3,281,665.50
	UTILITY RELOCATION		10%	\$10,938,885.00	\$1,093,888.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	1,893,196.80	\$15.00	\$28,397,952.00
SUBTOTAL ADDITIONAL ITEMS					\$34,414,338.75

TOTAL COST ESTIMATE (FY 2019) \$45,353,223.75

HIGHWAY:	Park Road 40
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	SH 75 to FM 2929
LIMITS:	
LENGTH:	2.66 Miles
ESTIMATE BY:	
DATE:	



SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	67100	\$ 75.00	\$5,032,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$5,032,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	140.00	\$7,500.00	\$1,050,000.00
110 6001	EXCAVATION (ROADWAY)	CY	44,750.00	\$8.00	\$358,000.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	18,000.00	\$7.00	\$126,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	28,100.00	\$4.00	\$112,400.00
530 6004	DRIVEWAYS (CONC)	SY	200.00	\$65.00	\$13,000.00
531 6001	CONC SIDEWALKS (4")	SY	15,610.00	\$60.00	\$936,600.00
SUBTOTAL ROADWAY ADD-ONS					\$2,596,000.00

BRIDGE					
BRIDGE	CONCRETE TX GIRDER	SF	9,000.00	\$75.00	\$675,000.00
SUBTOTAL BRIDGE					\$675,000.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	2.66	\$1,800,000.00	\$4,788,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	2.66	\$70,000.00	\$186,200.00
SUBTOTAL DRAINAGE					\$4,974,200.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	2.66	\$30,000.00	\$79,800.00
SUBTOTAL SIGNING					\$79,800.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	2.66	\$25,000.00	\$66,500.00
SUBTOTAL PAVEMENT MARKINGS					\$66,500.00

SUBTOTAL \$13,424,000.00

500	MOBILIZATION	LS	1.00	10 %	\$1,342,400.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	30.00	\$5,000.00	\$150,000.00
SUBTOTAL TRAFFIC CONTROL					\$150,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$14,916,400.00

Project Type	Exist Lanes	Prop Lanes	New ROW Needed	Project Length (MI)	Project Length (FT)
extension	2	3	72	2.66	14044.8
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$14,916,400.00	\$2,237,460.00
	CONTINGENCY		30%	\$14,916,400.00	\$4,474,920.00
	UTILITY RELOCATION		10%	\$14,916,400.00	\$1,491,640.00
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	1,011,225.60	\$15.00	\$15,168,384.00
SUBTOTAL ADDITIONAL ITEMS					\$23,372,404.00

TOTAL COST ESTIMATE (FY 2019) \$38,288,804.00

HIGHWAY:	Stewart Rd	 Texas Department of Transportation SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Extend to FM 2296	
LIMITS:		
LENGTH:	3.91 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS		UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	(INCLUDES)	SY	98700	\$ 75.00	\$7,402,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS					\$7,402,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	206.00	\$7,500.00	\$1,545,000.00
110 6001	EXCAVATION (ROADWAY)	CY	65,800.00	\$8.00	\$526,400.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	25,000.00	\$7.00	\$175,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	41,300.00	\$4.00	\$165,200.00
530 6004	DRIVEWAYS (CONC)	SY	300.00	\$65.00	\$19,500.00
531 6001	CONC SIDEWALKS (4")	SY	23,000.00	\$60.00	\$1,380,000.00
SUBTOTAL ROADWAY ADD-ONS					\$3,811,100.00

BRIDGE					
BRIDGE	CONCRETE TX GIRDER	SF	9,000.00	\$75.00	\$675,000.00
BRIDGE	STEEL PLATE GIRDER	SF	18,000.00	\$150.00	\$2,700,000.00
SUBTOTAL BRIDGE					\$3,375,000.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	3.91	\$1,800,000.00	\$7,038,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	3.91	\$70,000.00	\$273,700.00
SUBTOTAL DRAINAGE					\$7,311,700.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	3.91	\$30,000.00	\$117,300.00
SUBTOTAL SIGNING					\$117,300.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	3.91	\$25,000.00	\$97,750.00
SUBTOTAL PAVEMENT MARKINGS					\$97,750.00

SUBTOTAL \$22,115,350.00

500	MOBILIZATION	LS	1.00	10 %	\$2,211,535.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	48.00	\$5,000.00	\$240,000.00
SUBTOTAL TRAFFIC CONTROL					\$240,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$24,566,885.00

Project Type	Exlst Lanes	Prop Lanes	New ROW Needs	Project Length (MI)	Project Length (FT)
extension	2	3	72	3.91	20644.8
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$24,566,885.00	\$3,685,032.75
	CONTINGENCY		30%	\$24,566,885.00	\$7,370,065.50
	UTILITY RELOCATION		10%	\$24,566,885.00	\$2,456,688.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	1,486,425.60	\$15.00	\$22,296,384.00
SUBTOTAL ADDITIONAL ITEMS					\$35,808,170.75

TOTAL COST ESTIMATE (FY 2019) \$60,375,055.75

HIGHWAY:	IH 45 NB Frontage Road	 Texas Department of Transportation BER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	FM 1374 to SH 75	
LIMITS:		
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS		UNITS	EST. QTY.	UNIT COST	AMOUNT
	FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	145300	\$ 75.00	\$10,897,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS					\$10,897,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	451.00	\$10,000.00	\$4,510,000.00
110 6001	EXCAVATION (ROADWAY)	CY	97,000.00	\$8.00	\$776,000.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	48,000.00	\$7.00	\$336,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	90,200.00	\$4.00	\$360,800.00
530 6004	DRIVEWAYS (CONC)	SY	450.00	\$65.00	\$29,250.00
531 6001	CONC SIDEWALKS (4")	SY	25,000.00	\$60.00	\$1,500,000.00
SUBTOTAL ROADWAY ADD-ONS					\$7,512,050.00

DRAINAGE					
STORM DRAINS	FREEWAY MAIN LANES AND FRONTAGE ROADS	MI	8.54	\$1,800,000.00	\$15,372,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	8.54	\$70,000.00	\$597,800.00
SUBTOTAL DRAINAGE					\$15,969,800.00

SIGNING					
SIGNING	FRONTAGE ROADS	MI	8.54	\$15,000.00	\$128,100.00
SUBTOTAL SIGNING					\$128,100.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE FRONTAGE ROAD	MI	8.54	\$20,000.00	\$170,800.00
SUBTOTAL PAVEMENT MARKINGS					\$170,800.00

CTMS/SIGNALS					
TRAFFIC SIGNALS	DIAMOND INTERCHANGE MAST ARMS	Per Int	3.00	\$350,000.00	\$1,050,000.00
SUBTOTAL CTMS/SIGNALS					\$1,050,000.00

SUBTOTAL \$35,728,250.00

500	MOBILIZATION	LS	1.00	10 %	\$3,572,825.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Major Projects (Fwy Construction)	MO	48.00	\$15,000.00	\$720,000.00
SUBTOTAL TRAFFIC CONTROL					\$720,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019)					\$40,021,075.00
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Project Type	Exist Lanes	Prop Lanes	New ROW Needed	Project Length (MI)	Project Length (FT)
extension	2	2	72	8.54	45091.2
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$40,021,075.00	\$6,003,161.25
	CONTINGENCY		30%	\$40,021,075.00	\$12,006,322.50
	UTILITY RELOCATION		10%	\$40,021,075.00	\$4,002,107.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM	y	3,246,566.40	\$15.00	\$48,698,496.00
SUBTOTAL ADDITIONAL ITEMS					\$70,710,087.25

TOTAL COST ESTIMATE (FY 2019)					\$110,731,162.25
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HIGHWAY:	Bearkat Blvd
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	Extension to 15th St
LIMITS:	
LENGTH:	0.13 Miles
ESTIMATE BY:	
DATE:	



SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	3300	\$ 75.00	\$247,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$247,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	7.00	\$7,500.00	\$52,500.00
110 6001	EXCAVATION (ROADWAY)	CY	2,200.00	\$8.00	\$17,600.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	1,000.00	\$7.00	\$7,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	1,400.00	\$4.00	\$5,600.00
530 6004	DRIVEWAYS (CONC)	SY	100.00	\$65.00	\$6,500.00
531 6001	CONC SIDEWALKS (4")	SY	770.00	\$60.00	\$46,200.00
SUBTOTAL ROADWAY ADD-ONS					\$135,400.00

DRAINAGE

STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.13	\$1,800,000.00	\$234,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.13	\$70,000.00	\$9,100.00
SUBTOTAL DRAINAGE					\$243,100.00

SIGNING

SIGNING	OTHER ROADWAYS	MI	0.13	\$30,000.00	\$3,900.00
SUBTOTAL SIGNING					\$3,900.00

PAVEMENT MARKINGS

STRIPING	TWO LANE RURAL	MI	0.13	\$25,000.00	\$3,250.00
SUBTOTAL PAVEMENT MARKINGS					\$3,250.00

SUBTOTAL \$633,150.00

500	MOBILIZATION	LS	1.00	10 %	\$63,315.00
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502 TRAFFIC CONTROL

TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	3.00	\$5,000.00	\$15,000.00
SUBTOTAL TRAFFIC CONTROL					\$15,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$711,465.00

Project Type	Exist Lanes	Prop Lanes	New ROW Need	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.13	686.4
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$711,465.00	\$106,719.75
	CONTINGENCY		30%	\$711,465.00	\$213,439.50
	UTILITY RELOCATION		10%	\$711,465.00	\$71,146.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM	y	49,420.80	\$7.00	\$345,945.60
	ROW ACQUISITION - LONG TERM		0.00	\$15.00	\$0.00
SUBTOTAL ADDITIONAL ITEMS					\$737,251.35

TOTAL COST ESTIMATE (FY 2019) \$1,448,716.35

HIGHWAY:	16th St
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	Extension to IH 45
LIMITS:	
LENGTH:	0.28 Miles
ESTIMATE BY:	
DATE:	



SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	7100	\$ 75.00	\$532,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$532,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	15.00	\$7,500.00	\$112,500.00
110 6001	EXCAVATION (ROADWAY)	CY	4,700.00	\$8.00	\$37,600.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	1,800.00	\$7.00	\$12,600.00
529 6005	CONC CURB (MONO) (TY II)	LF	3,000.00	\$4.00	\$12,000.00
530 6004	DRIVEWAYS (CONC)	SY	100.00	\$65.00	\$6,500.00
531 6001	CONC SIDEWALKS (4")	SY	1,650.00	\$60.00	\$99,000.00
SUBTOTAL ROADWAY ADD-ONS					\$280,200.00

DRAINAGE

STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.28	\$1,800,000.00	\$504,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.28	\$70,000.00	\$19,600.00
SUBTOTAL DRAINAGE					\$523,600.00

SIGNING

SIGNING	OTHER ROADWAYS	MI	0.28	\$30,000.00	\$8,400.00
SUBTOTAL SIGNING					\$8,400.00

PAVEMENT MARKINGS

STRIPING	TWO LANE RURAL	MI	0.28	\$25,000.00	\$7,000.00
SUBTOTAL PAVEMENT MARKINGS					\$7,000.00

SUBTOTAL \$1,351,700.00

500	MOBILIZATION	LS	1.00	10 %	\$135,170.00
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502 TRAFFIC CONTROL

TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	5.00	\$5,000.00	\$25,000.00
SUBTOTAL TRAFFIC CONTROL					\$25,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$1,511,870.00

Project Type	Exist Lanes	Prop Lanes	New ROW Need	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.28	1478.4
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$1,511,870.00	\$226,780.50
	CONTINGENCY		30%	\$1,511,870.00	\$453,561.00
	UTILITY RELOCATION		10%	\$1,511,870.00	\$151,187.00
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM	y	106,444.80	\$7.00	\$745,113.60
	ROW ACQUISITION - LONG TERM		0.00	\$15.00	\$0.00
SUBTOTAL ADDITIONAL ITEMS					\$1,576,642.10

TOTAL COST ESTIMATE (FY 2019) \$3,088,512.10

HIGHWAY:	Smither Dr/25th St
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	Extension from IH 45 to Old Houston Rd
LIMITS:	
LENGTH:	0.8 Miles
ESTIMATE BY:	
DATE:	



SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	20200	\$ 75.00	\$1,515,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$1,515,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	42.00	\$7,500.00	\$315,000.00
110 6001	EXCAVATION (ROADWAY)	CY	13,500.00	\$8.00	\$108,000.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	4,000.00	\$7.00	\$28,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	8,500.00	\$4.00	\$34,000.00
530 6004	DRIVEWAYS (CONC)	SY	350.00	\$65.00	\$22,750.00
531 6001	CONC SIDEWALKS (4")	SY	4,700.00	\$60.00	\$282,000.00
SUBTOTAL ROADWAY ADD-ONS					\$789,750.00

BRIDGE

BRIDGE	CONCRETE TX GIRDER	SF	4,500.00	\$75.00	\$337,500.00
SUBTOTAL BRIDGE					\$337,500.00

DRAINAGE

STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.80	\$1,800,000.00	\$1,440,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.80	\$70,000.00	\$56,000.00
SUBTOTAL DRAINAGE					\$1,496,000.00

SIGNING

SIGNING	OTHER ROADWAYS	MI	0.80	\$30,000.00	\$24,000.00
SUBTOTAL SIGNING					\$24,000.00

PAVEMENT MARKINGS

STRIPING	TWO LANE RURAL	MI	0.80	\$25,000.00	\$20,000.00
SUBTOTAL PAVEMENT MARKINGS					\$20,000.00

SUBTOTAL \$4,182,250.00

500	MOBILIZATION	LS	1.00	10 %	\$418,225.00
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502 TRAFFIC CONTROL

TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	12.00	\$5,000.00	\$60,000.00
SUBTOTAL TRAFFIC CONTROL					\$60,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$4,660,475.00

Project Type	Exist Lanes	Prop Lanes	New ROW Need	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.8	4224
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$4,660,475.00	\$699,071.25
	CONTINGENCY		30%	\$4,660,475.00	\$1,398,142.50
	UTILITY RELOCATION		10%	\$4,660,475.00	\$466,047.50
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM		0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM	y	304,128.00	\$7.00	\$2,128,896.00
	ROW ACQUISITION - LONG TERM		0.00	\$15.00	\$0.00
SUBTOTAL ADDITIONAL ITEMS					\$4,692,157.25

TOTAL COST ESTIMATE (FY 2019) \$9,352,632.25

HIGHWAY:	Pineshadows Dr	 SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Extension to IH 45	
LIMITS:		
LENGTH:	0.22 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS		UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	(INCLUDES)	SY	5600	\$ 75.00	\$420,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS					\$420,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	12.00	\$7,500.00	\$90,000.00
110 6001	EXCAVATION (ROADWAY)	CY	3,700.00	\$8.00	\$29,600.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	1,500.00	\$7.00	\$10,500.00
529 6005	CONC CURB (MONO) (TY II)	LF	2,325.00	\$4.00	\$9,300.00
530 6004	DRIVEWAYS (CONC)	SY	100.00	\$65.00	\$6,500.00
531 6001	CONC SIDEWALKS (4")	SY	1,290.00	\$60.00	\$77,400.00
SUBTOTAL ROADWAY ADD-ONS					\$223,300.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.22	\$1,800,000.00	\$396,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.22	\$70,000.00	\$15,400.00
SUBTOTAL DRAINAGE					\$411,400.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	0.22	\$30,000.00	\$6,600.00
SUBTOTAL SIGNING					\$6,600.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	0.22	\$25,000.00	\$5,500.00
SUBTOTAL PAVEMENT MARKINGS					\$5,500.00

SUBTOTAL \$1,066,800.00

500	MOBILIZATION	LS	1.00	10 %	\$106,680.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	4.00	\$5,000.00	\$20,000.00
SUBTOTAL TRAFFIC CONTROL					\$20,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019) \$1,193,480.00

Project Type	Exist Lanes	Prop Lanes	New ROW Need	Project Length (MI)	Project Length (FT)
extension	2	3	72	0.22	1161.6
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$1,193,480.00	\$179,022.00
	CONTINGENCY		30%	\$1,193,480.00	\$358,044.00
	UTILITY RELOCATION		10%	\$1,193,480.00	\$119,348.00
	ROW ACQUISITION - SHORT TERM	type in "y"	SQ FT	PRICE/SQ FT	
			0.00	\$5.00	\$0.00
	ROW ACQUISITION - MID TERM	y	83,635.20	\$7.00	\$585,446.40
	ROW ACQUISITION - LONG TERM		0.00	\$15.00	\$0.00
SUBTOTAL ADDITIONAL ITEMS					\$1,241,860.40

TOTAL COST ESTIMATE (FY 2019) \$2,435,340.40

HIGHWAY:	Financial Plaza	 Texas Department of Transportation SEPTEMBER 2018
COUNTY:		
CSJ:		
FILE NAME:		
DESCRIPTION:	Extension to Ravenwood Village Dr	
LIMITS:		
LENGTH:	0.21 Miles	
ESTIMATE BY:		
DATE:		

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	5300	\$ 75.00	\$397,500.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$397,500.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	11.00	\$7,500.00	\$82,500.00
110 6001	EXCAVATION (ROADWAY)	CY	3,550.00	\$8.00	\$28,400.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	1,500.00	\$7.00	\$10,500.00
529 6005	CONC CURB (MONO) (TY II)	LF	2,220.00	\$4.00	\$8,880.00
530 6004	DRIVEWAYS (CONC)	SY	100.00	\$65.00	\$6,500.00
531 6001	CONC SIDEWALKS (4")	SY	1,230.00	\$60.00	\$73,800.00
SUBTOTAL ROADWAY ADD-ONS					\$210,580.00

BRIDGE					
BRIDGE	CONCRETE TX GIRDER	SF	4,500.00	\$75.00	\$337,500.00
SUBTOTAL BRIDGE					\$337,500.00

DRAINAGE					
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.21	\$1,800,000.00	\$378,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.21	\$70,000.00	\$14,700.00
SUBTOTAL DRAINAGE					\$392,700.00

SIGNING					
SIGNING	OTHER ROADWAYS	MI	0.21	\$30,000.00	\$6,300.00
SUBTOTAL SIGNING					\$6,300.00

PAVEMENT MARKINGS					
STRIPING	TWO LANE RURAL	MI	0.21	\$25,000.00	\$5,250.00
SUBTOTAL PAVEMENT MARKINGS					\$5,250.00

SUBTOTAL \$1,349,830.00

500	MOBILIZATION	LS	1.00	10 %	\$134,983.00
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502 TRAFFIC CONTROL					
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	6.00	\$5,000.00	\$30,000.00
SUBTOTAL TRAFFIC CONTROL					\$30,000.00

BASE CONSTRUCTION COST ESTIMATE (FY 2019)					\$1,514,813.00
BASE CONSTRUCTION COST ESTIMATE (FY 2019) WITH ADDITIONAL ITEMS					\$2,858,008.15
Project Type	Exist Lanes	Prop Lanes	New ROW Needed (FT)	Project Length (MI)	Project Length (FT)
extension	4	5	92	0.21	1108.8
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING			15%	\$1,514,813.00
	CONTINGENCY			30%	\$454,443.90
	UTILITY RELOCATION			10%	\$151,481.30
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM	y	102,009.60	\$5.00	\$510,048.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM		0.00	\$15.00	\$0.00
SUBTOTAL ADDITIONAL ITEMS					\$1,343,195.15

TOTAL COST ESTIMATE (FY 2019)					\$2,858,008.15
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HIGHWAY:	Ravenwood Village Dr
COUNTY:	
CSJ:	
FILE NAME:	
DESCRIPTION:	Extension to Veterans Memorial Parkway
LIMITS:	
LENGTH:	0.52 Miles
ESTIMATE BY:	
DATE:	



SEPTEMBER 2018

PRELIMINARY ESTIMATE ALL INCLUSIVE ITEMS	UNITS	EST. QTY.	UNIT COST	AMOUNT
FRONTAGE ROAD OR OTHER ROADWAY (INCLUDES CRCP, BASE AND SUBGRADE)	SY	13120	\$ 75.00	\$984,000.00
SUBTOTAL ROADWAY PAVEMENT AREA & GRADE SEPARATIONS				\$984,000.00

ITEM	DESCRIPTION	UNITS	EST. QTY.	UNIT COST	AMOUNT
100 6002	PREPARING ROW	STA	27.00	\$7,500.00	\$202,500.00
110 6001	EXCAVATION (ROADWAY)	CY	8,750.00	\$8.00	\$70,000.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	4,000.00	\$7.00	\$28,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	5,500.00	\$4.00	\$22,000.00
530 6004	DRIVEWAYS (CONC)	SY	100.00	\$65.00	\$6,500.00
531 6001	CONC SIDEWALKS (4")	SY	3,050.00	\$60.00	\$183,000.00
SUBTOTAL ROADWAY ADD-ONS					\$512,000.00

BRIDGE		UNITS	EST. QTY.	UNIT COST	AMOUNT
BRIDGE	CONCRETE TX GIRDER	SF	4,500.00	\$75.00	\$337,500.00
SUBTOTAL BRIDGE					\$337,500.00

DRAINAGE		UNITS	EST. QTY.	UNIT COST	AMOUNT
STORM DRAINS	FOUR LANE DIVIDED URBAN STORM SEWER SYSTEM	MI	0.52	\$1,800,000.00	\$936,000.00
SW3P	MAJOR STORMWATER POLLUTION PREVENTION PLAN	MI	0.52	\$70,000.00	\$36,400.00
SUBTOTAL DRAINAGE					\$972,400.00

SIGNING		UNITS	EST. QTY.	UNIT COST	AMOUNT
SIGNING	OTHER ROADWAYS	MI	0.52	\$30,000.00	\$15,600.00
SUBTOTAL SIGNING					\$15,600.00

PAVEMENT MARKINGS		UNITS	EST. QTY.	UNIT COST	AMOUNT
STRIPING	TWO LANE RURAL	MI	0.52	\$25,000.00	\$13,000.00
SUBTOTAL PAVEMENT MARKINGS					\$13,000.00
SUBTOTAL					\$2,834,500.00

500	MOBILIZATION	LS	1.00	10 %	\$283,450.00
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502 TRAFFIC CONTROL		UNITS	EST. QTY.	UNIT COST	AMOUNT
TRAF CTRL	Minor Projects (Simple Rdwy Reconstruction)	MO	8.00	\$5,000.00	\$40,000.00
SUBTOTAL TRAFFIC CONTROL					\$40,000.00

		BASE CONSTRUCTION COST ESTIMATE (FY 2019)			AMOUNT
		BASE CONSTRUCTION COST ESTIMATE (FY 2019) WITH ADDITIONAL ITEMS			AMOUNT
Project Type	Exist Lanes	Prop Lanes	New ROW Needed (Project Length (MI)	Project Length (FT)
extension	2	3	72	0.52	2745.6
ADDITIONAL ITEMS					
	PRELIMINARY STUDIES/ENGINEERING/SURVEYING		15%	\$3,157,950.00	\$473,692.50
	CONTINGENCY		30%	\$3,157,950.00	\$947,385.00
	UTILITY RELOCATION		10%	\$3,157,950.00	\$315,795.00
		type in "y"	SQ FT	PRICE/SQ FT	
	ROW ACQUISITION - SHORT TERM	y	197,683.20	\$5.00	\$988,416.00
	ROW ACQUISITION - MID TERM		0.00	\$7.00	\$0.00
	ROW ACQUISITION - LONG TERM		0.00	\$15.00	\$0.00
SUBTOTAL ADDITIONAL ITEMS					\$2,725,288.50

TOTAL COST ESTIMATE (FY 2019)					\$5,883,238.50
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Appendix F: References

- Morphocode. “The 5-minute walk”
<https://morphocode.com/the-5-minute-walk/>
- Mineta Transportation Institute. (2012). “Low Stress Bicycling and Network Connectivity”
<https://transweb.sjsu.edu/sites/default/files/1005-low-stress-bicycling-network-connectivity.pdf>
- Tax Increment Reinvestment Zones (TIRZs) and Tax Increment Finance Districts (TIFs)
<https://comptroller.texas.gov/economy/local/ch311/>
- Municipal Management Districts (MMDs)
<https://capitol.texas.gov/tlodocs/83R/handouts/C2102013022110301/d6be689a-2e18-4624-bd3c-e932b26cc977.PDF>
- State Infrastructure Bank (SIB) loans
<https://www.txdot.gov/government/programs/sib.html>
- Federal High Risk Rural Roads
<https://safety.fhwa.dot.gov/hsip/hrrr/>
- Highway Safety Improvement Program
<https://safety.fhwa.dot.gov/hsip/>
- Safe Routes to School
<http://www.saferoutesinfo.org/>
- Federal Transit Administration Urban Areas Formula Funds (5307)
<https://www.transit.dot.gov/funding/grants/urbanized-area-formula-grants-5307>
- Federal Transit Administration Enhanced Mobility of Seniors and Individuals with Disabilities Grant (5310). <https://www.transit.dot.gov/funding/grants/enhanced-mobility-seniors-people-disabilities-fact-sheet-section-5310>
- Better Utilizing Investments to Leverage Development (BUILD)
<https://www.transportation.gov/BUILDgrants>
- Infrastructure for Rebuilding America (INFRA)
<https://www.transportation.gov/buildamerica/infragrants>