

2014 and 2020 No-Build

Intersection	2014 AM		2014 PM		2020 AM		2020 PM	
	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	11	A	8.7	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	D	47.8	C	27.1	E	69.6	C	31.3
Northpark Drive at US 59 NBFR	C	22.3	C	34.6	C	24.4	D	42.3
Northpark Drive at Loop 494	D	43.3	E	71.9	E	66.5	F	102.3
Northpark Drive WB at Russell Palmer Road	B	18.7	C	30.5	C	22.2	C	32
Northpark Drive EB at Russell Palmer Road	C	33.1	D	44.4	C	34.4	E	73.5
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	F	263.0	F	85.8	F	359	F	144
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	C	22.5	F	252.9	D	36.4	F	347.5
Northpark Drive at Woodland Hills Drive	D	45.3	D	35.6	E	57.7	D	45.2
Northpark Drive at Brookdale Drive	B	17.8	D	40.8	B	19.9	E	64.2
Northpark Drive at Lake Houston Parkway	D	41.5	E	70.9	D	45.4	F	98.4
Northpark Drive WB at Rock Springs Drive	C	31.2	C	30.6	C	31.9	C	31.7
Northpark Drive EB at Rock Springs Drive	D	42.8	D	37.6	D	43.6	D	39.6
Lake Houston Parkway NB @ Rustic Woods Drive	D	37.4	D	50.1	D	39.5	E	69.2
Lake Houston Parkway SB @ Rustic Woods Drive	C	22.1	C	26.8	C	23.9	C	30.7
Lake Houston Parkway NB @ Kings Crossing Drive	F	167.5	F	217.1	F	233.1	F	288.6
Lake Houston Parkway SB @ Kings Crossing Drive	F	90.4	F	245.9	F	142.2	F	324.6
Kingwood Drive at Sorters Road*	A	9.5	F	86.1	B	10.2	F	144.5
Kingwood Drive at US 59 SBFR	E	57.1	C	35.0	E	60.4	E	55.5
Kingwood Drive at US 59 NBFR	D	48.3	D	48.1	E	73.9	E	64.8
Kingwood Drive at Loop 494	E	56.9	F	93.1	E	58.6	F	101.8
Kingwood Drive at Royal Forest Drive	E	66.4	F	80.5	E	67	F	98.2
Kingwood Drive WB at Chestnut Ridge Drive	C	27.4	E	60.0	D	50.4	E	69.6
Kingwood Drive EB at Chestnut Ridge Drive	D	43.6	F	327.7	D	46.7	F	397.9
Kingwood Drive WB at Green Oak Drive	C	30.7	E	56.5	D	38.7	E	66
Kingwood Drive EB at Green Oak Drive	D	40.6	F	111.8	D	44.6	F	149.8
Kingwood Drive at Woodland Grove Drive	D	43.6	D	43.8	D	45.7	E	58.7
Kingwood Drive at Trailwood Village Drive	F	84.0	C	23.0	F	119.4	D	41.3
Kingwood Drive at Woodland Hills Drive	D	47.0	F	96.0	E	66	F	121.5
Kingwood Drive WB at Lake Kingwood Trail	B	19.3	C	20.6	C	22	C	23.6
Kingwood Drive EB at Lake Kingwood Trail	C	22.7	C	31.7	C	24.3	D	44.8
Kingwood Drive WB at Kingwood High School	B	18.5	C	27.0	C	21.5	C	29.9
Kingwood Drive EB at Kingwood High School	B	18.8	B	14.9	C	20.4	C	20.1
Kingwood Drive at Lake Houston Parkway	D	46.2	D	54.7	D	52.8	E	64.5
Kingwood Drive at Forest Garden Drive	B	13.8	D	45.4	B	17.8	D	51.5
Kingwood Drive WB at Timber Shade Drive	B	10.3	B	19.6	B	10.7	C	20.3
Kingwood Drive EB at Timber Shade Drive	C	26.8	D	36.1	C	27.3	D	39.2
Kingwood Drive WB at Willow Terrace Drive	C	24.7	B	15.7	C	25.2	B	16.7
Kingwood Drive EB at Willow Terrace Drive	E	58.9	C	28.3	E	61	C	30.5
Kingwood Drive WB at High Valley Drive	C	23.4	B	19.7	C	24.7	B	19.9
Kingwood Drive EB at High Valley Drive			C	21.2			C	23.7
US 59 SBFR at Sorters Road	A	6.6	B	14.7	A	8.1	C	22.6
Loop 494 at Sorters Road	B	10.2	B	10.8	B	10.5	B	11.5
Hamblen Road at US 59 NBFR*	A	3.6	none	none	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	3.9	A	2.5	A	4	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.1	A	3.7	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	8.8	E	58.9	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.8	A	8.2	A	7.9	A	8.4

E	4	5	9	9
F	4	10	4	13
TOTAL	8	15	13	22

2014 and 2020 Alternative A

Intersection	2014 AM		2014 PM		2020 AM		2020 PM	
	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	11	A	8.7	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	D	47.8	C	27.1	E	68.9	C	29.9
Northpark Drive at US 59 NBFR	C	22.3	C	34.6	C	23.6	D	42.2
Northpark Drive at Loop 494	D	43.3	E	71.9	F	149.2	F	100.4
Northpark Drive WB at Russell Palmer Road	B	18.7	C	30.5	C	22.6	C	32.1
Northpark Drive EB at Russell Palmer Road	C	33.1	D	44.4	C	34.6	E	76.1
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	E	64.4	C	27.7	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	B	16.6	E	57.3	none	none	none	none
Northpark Drive at Woodland Hills Drive	D	45.3	C	33.4	E	72.7	F	88.3
Northpark Drive at Brookdale Drive	B	17.8	D	40.7	D	45.2	E	67.8
Northpark Drive at Lake Houston Parkway	D	39.1	D	49.8	D	40.1	F	98.4
Northpark Drive WB at Rock Springs Drive	C	31.2	C	30.6	C	31.8	C	31.6
Northpark Drive EB at Rock Springs Drive	D	42.8	D	37.6	D	43.3	D	39.5
Lake Houston Parkway NB @ Rustic Woods Drive	D	37.4	D	50.1	D	39.3	E	67.6
Lake Houston Parkway SB @ Rustic Woods Drive	C	22.1	C	26.8	C	23.7	C	27.6
Lake Houston Parkway NB @ Kings Crossing Drive	F	93.5	F	102.8	F	225.3	F	282.8
Lake Houston Parkway SB @ Kings Crossing Drive	F	91.4	F	245.9	F	137.8	F	321.7
Kingwood Drive at Sorters Road*	B	10.3	B	15.9	B	10.2	F	149.3
Kingwood Drive at US 59 SBFR	E	57.1	C	35.0	D	49.3	D	40.6
Kingwood Drive at US 59 NBFR	D	48.8	D	48.9	C	27.5	D	43.9
Kingwood Drive at Loop 494	D	54.0	F	89.3	D	41	E	74.2
Kingwood Drive at Royal Forest Drive	E	66.2	E	79.4	D	50.11	E	56.4
Kingwood Drive WB at Chestnut Ridge Drive	C	22.8	D	44.4	D	47.2	E	63.5
Kingwood Drive EB at Chestnut Ridge Drive	C	34.0	F	229.4	D	44.7	E	76.1
Kingwood Drive WB at Green Oak Drive	C	30.7	E	56.5	D	37.7	D	49.3
Kingwood Drive EB at Green Oak Drive	D	38.7	F	91.2	D	46.2	F	114.2
Kingwood Drive at Woodland Grove Drive	D	41.5	D	40.5	E	59	E	76
Kingwood Drive at Trailwood Village Drive	E	78.5	C	21.2	F	81.7	E	70.8
Kingwood Drive at Woodland Hills Drive	D	37.5	E	64.4	E	59.9	F	80.4
Kingwood Drive WB at Lake Kingwood Trail	B	19.3	C	20.6	C	20.8	C	20.8
Kingwood Drive EB at Lake Kingwood Trail	C	22.7	C	31.7	C	23.1	D	43.2
Kingwood Drive WB at Kingwood High School	B	18.5	C	27.0	C	20.4	C	29.4
Kingwood Drive EB at Kingwood High School	B	18.8	B	14.9	B	15.4	C	22.6
Kingwood Drive at Lake Houston Parkway	D	46.2	D	54.7	D	39.8	D	52.3
Kingwood Drive at Forest Garden Drive	B	13.8	D	45.4	C	21	D	42.2
Kingwood Drive WB at Timber Shade Drive	B	10.3	B	19.6	B	19.5	B	16.3
Kingwood Drive EB at Timber Shade Drive	C	26.8	D	36.1	C	27.2	D	37.4
Kingwood Drive WB at Willow Terrace Drive	C	24.7	B	15.7	B	15	B	14.6
Kingwood Drive EB at Willow Terrace Drive	D	54.1	C	27.9	C	31.9	F	122.5
Kingwood Drive WB at High Valley Drive	C	23.4	B	19.7	C	24.5	B	19.8
Kingwood Drive EB at High Valley Drive	F	99.9	C	20.8	C	30.9	C	24.3
US 59 SBFR at Sorters Road	A	6.6	B	14.7	A	6.3	B	15.6
Loop 494 at Sorters Road	B	10.2	B	10.8	A	8.5	A	9
Hamblen Road at US 59 NBFR*	A	3.9	A	2.0	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	3.6	A	2.5	A	4	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.1	A	3.7	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	8.7	C	27.0	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.8	A	8.2	A	7.9	A	8.4

E	4	5	4	9
F	3	5	4	10
TOTAL	7	10	8	19

2014 and 2020 Alternative B

Intersection	2014 AM		2014 PM		2020 AM		2020 PM	
	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	11	A	8.7	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	D	47.8	C	27.1	E	69.6	C	31.3
Northpark Drive at US 59 NBFR	C	22.3	C	34.6	C	24.4	D	42.3
Northpark Drive at Loop 494	D	43.3	E	71.9	E	66.5	F	102.7
Northpark Drive WB at Russell Palmer Road	B	18.7	C	30.5	C	22.2	C	32
Northpark Drive EB at Russell Palmer Road	C	33.1	D	44.4	C	34.4	E	73.5
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	E	64.4	C	27.7	F	359	F	144
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	B	16.6	E	57.3	D	36.4	F	347.5
Northpark Drive at Woodland Hills Drive	D	45.3	C	33.4	E	57.7	D	45.9
Northpark Drive at Brookdale Drive	B	17.8	D	40.7	B	19.9	E	64.2
Northpark Drive at Lake Houston Parkway	D	39.1	D	49.8	D	45.4	F	98.4
Northpark Drive WB at Rock Springs Drive	C	31.2	C	30.6	C	31.9	C	31.7
Northpark Drive EB at Rock Springs Drive	D	42.8	D	37.6	D	43.6	D	39.6
Lake Houston Parkway NB @ Rustic Woods Drive	D	37.4	D	50.1	D	39.5	E	69.2
Lake Houston Parkway SB @ Rustic Woods Drive	C	22.1	C	26.8	C	23.9	C	30.7
Lake Houston Parkway NB @ Kings Crossing Drive	F	93.5	F	102.8	F	233.1	F	288.6
Lake Houston Parkway SB @ Kings Crossing Drive	F	91.4	F	245.9	F	142.2	F	324.6
Kingwood Drive at Sorters Road*	B	10.3	B	15.9	B	10.2	F	144.5
Kingwood Drive at US 59 SBFR	E	57.1	C	35.0	E	60.4	E	56.3
Kingwood Drive at US 59 NBFR	D	48.8	D	48.9	E	75.6	E	64.5
Kingwood Drive at Loop 494	D	54.0	F	89.3	D	52.3	F	111
Kingwood Drive at Royal Forest Drive	E	66.2	E	79.4	B	15.5	E	76
Kingwood Drive WB at Chestnut Ridge Drive	C	22.8	D	44.4	C	34.2	F	96.5
Kingwood Drive EB at Chestnut Ridge Drive	C	34.0	F	229.4	C	30.4	E	62.6
Kingwood Drive WB at Green Oak Drive	C	30.7	E	56.5	C	24.5	E	62.8
Kingwood Drive EB at Green Oak Drive	D	38.7	F	91.2	C	24.4	F	146.4
Kingwood Drive at Woodland Grove Drive	D	41.5	D	40.5	D	53.1	E	61.8
Kingwood Drive at Trailwood Village Drive	E	78.5	C	21.2	F	83	D	35.7
Kingwood Drive at Woodland Hills Drive	D	37.5	E	64.4	D	40.2	F	122.7
Kingwood Drive WB at Lake Kingwood Trail	B	19.3	C	20.6	B	17.4	C	21.5
Kingwood Drive EB at Lake Kingwood Trail	C	22.7	C	31.7	C	21.8	C	30.1
Kingwood Drive WB at Kingwood High School	B	18.5	C	27.0	D	39.5	C	27.6
Kingwood Drive EB at Kingwood High School	B	18.8	B	14.9	C	26.1	C	29.9
Kingwood Drive at Lake Houston Parkway	D	46.2	D	54.7	D	44.2	E	61
Kingwood Drive at Forest Garden Drive	B	13.8	D	45.4	B	19.2	D	44.4
Kingwood Drive WB at Timber Shade Drive	B	10.3	B	19.6	B	10.7	C	20.3
Kingwood Drive EB at Timber Shade Drive	C	26.8	D	36.1	C	27.3	D	39.2
Kingwood Drive WB at Willow Terrace Drive	C	24.7	B	15.7	C	25.2	B	16.7
Kingwood Drive EB at Willow Terrace Drive	D	54.1	C	27.9	E	61	C	30.5
Kingwood Drive WB at High Valley Drive	C	23.4	B	19.7	C	24.8	B	19.9
Kingwood Drive EB at High Valley Drive	F	99.9	C	20.8	C	34.3	C	23.7
US 59 SBFR at Sorters Road	A	6.6	B	14.7	A	8.1	C	22.6
Loop 494 at Sorters Road	B	10.2	B	10.8	B	10.5	B	11.5
Hamblen Road at US 59 NBFR*	A	3.9	A	2.0	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	3.6	A	2.5	A	4	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.1	A	3.7	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	8.7	C	27.0	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.8	A	8.2	A	7.9	A	8.4

E	4	5	6	10
F	3	5	4	12
TOTAL	7	10	10	22

2020 Level of Service/Delay for Alternative C

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	E	68.9	C	29.9
Northpark Drive at US 59 NBFR	C	23.6	D	42.2
Northpark Drive at Loop 494	F	149.2	F	99.2
Northpark Drive WB at Russell Palmer Road	C	22.6	C	32.1
Northpark Drive EB at Russell Palmer Road	C	34.6	E	76.1
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	E	72.8	F	88.3
Northpark Drive at Brookdale Drive	D	45.2	E	67.8
Northpark Drive at Lake Houston Parkway	B	14.0	E	57.6
Northpark Drive WB at Rock Springs Drive	C	31.8	C	31.6
Northpark Drive EB at Rock Springs Drive	D	43.3	D	35.5
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.3	E	67.6
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.7	C	27.6
Lake Houston Parkway NB @ Kings Crossing Drive	F	135.3	F	147.3
Lake Houston Parkway SB @ Kings Crossing Drive	F	137.8	F	321.7
Kingwood Drive at Sorters Road*	B	10.6	C	25.6
Kingwood Drive at US 59 SBFR	D	37.5	D	39.7
Kingwood Drive at US 59 NBFR	C	25.6	C	34.7
Kingwood Drive at Loop 494	C	23.3	D	35.3
Kingwood Drive at Royal Forest Drive	B	11.9	C	26.7
Kingwood Drive WB at Chestnut Ridge Drive	C	24.0	D	52.3
Kingwood Drive EB at Chestnut Ridge Drive	C	34.7	D	44.4
Kingwood Drive WB at Green Oak Drive	C	21.7	E	62.6
Kingwood Drive EB at Green Oak Drive	C	29.2	D	51.5
Kingwood Drive at Woodland Grove Drive	B	17.5	C	21.1
Kingwood Drive at Trailwood Village Drive	C	26.4	B	17.6
Kingwood Drive at Woodland Hills Drive	B	14.6	E	65.6
Kingwood Drive WB at Lake Kingwood Trail	C	20.8	C	20.8
Kingwood Drive EB at Lake Kingwood Trail	C	23.1	D	43.2
Kingwood Drive WB at Kingwood High School	C	20.4	C	29.4
Kingwood Drive EB at Kingwood High School	B	18.3	C	22.6
Kingwood Drive at Lake Houston Parkway	D	39.8	D	52.3
Kingwood Drive at Forest Garden Drive	C	21.0	D	42.2
Kingwood Drive WB at Timber Shade Drive	B	10.5	B	13.6
Kingwood Drive EB at Timber Shade Drive	C	27.2	D	37.4
Kingwood Drive WB at Willow Terrace Drive	C	25.0	B	16.1
Kingwood Drive EB at Willow Terrace Drive	D	54.8	D	54.9
Kingwood Drive WB at High Valley Drive	C	24.5	B	19.8
Kingwood Drive EB at High Valley Drive	D	36.7	C	24.9
US 59 SBFR at Sorters Road	A	6.3	B	15.6
Loop 494 at Sorters Road	A	8.5	A	9.0
Hamblen Road at US 59 NBFR*	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	4.0	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.1	D	46.0
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	2	6
F	3	6
Total	5	12

2020 Level of Service/Delay for Alternative D

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	E	55.9		
Northpark Drive at US 59 SBFR	E	72.4	B	10.7
Northpark Drive at US 59 NBFR	C	34.5	C	30.5
Northpark Drive at Loop 494	D	49.5	E	74.3
Northpark Drive WB at Russell Palmer Road	B	17.1	C	27.0
Northpark Drive EB at Russell Palmer Road	C	30.0	D	46.3
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	D	43.0	D	42.0
Northpark Drive at Brookdale Drive	B	19.9	C	30.7
Northpark Drive at Lake Houston Parkway	D	45.4	D	49.0
Northpark Drive WB at Rock Springs Drive	C	31.9	C	31.7
Northpark Drive EB at Rock Springs Drive	D	43.6	D	39.6
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.5	C	30.7
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.9	E	69.2
Lake Houston Parkway NB @ Kings Crossing Drive	F	233.1	F	324.6
Lake Houston Parkway SB @ Kings Crossing Drive	F	142.2	F	288.6
Kingwood Drive at Sorters Road*	B	10.2	F	144.5
Kingwood Drive at US 59 SBFR	E	56.4	D	51.1
Kingwood Drive at US 59 NBFR	D	43.0	D	46.1
Kingwood Drive at Loop 494	D	54.8	E	79.3
Kingwood Drive at Royal Forest Drive	D	43.5	F	89.4
Kingwood Drive WB at Chestnut Ridge Drive	C	21.5	E	63.5
Kingwood Drive EB at Chestnut Ridge Drive	D	45.1	F	196.7
Kingwood Drive WB at Green Oak Drive	C	26.3	E	73.5
Kingwood Drive EB at Green Oak Drive	D	47.8	E	61.9
Kingwood Drive at Woodland Grove Drive	B	15.3	C	20.5
Kingwood Drive at Trailwood Village Drive	C	26.2	C	21.5
Kingwood Drive at Woodland Hills Drive	C	23.4	F	80.7
Kingwood Drive WB at Lake Kingwood Trail	C	22.0	C	23.6
Kingwood Drive EB at Lake Kingwood Trail	C	24.3	D	44.8
Kingwood Drive WB at Kingwood High School	C	21.5	C	29.9
Kingwood Drive EB at Kingwood High School	C	20.5	C	20.1
Kingwood Drive at Lake Houston Parkway	D	52.8	E	64.5
Kingwood Drive at Forest Garden Drive	B	17.8	D	51.5
Kingwood Drive WB at Timber Shade Drive	B	12.2	C	20.3
Kingwood Drive EB at Timber Shade Drive	C	27.3	D	39.2
Kingwood Drive WB at Willow Terrace Drive	C	25.4	B	16.7
Kingwood Drive EB at Willow Terrace Drive	D	53.3	C	30.5
Kingwood Drive WB at High Valley Drive	C	24.7	B	19.9
Kingwood Drive EB at High Valley Drive	D	52.7	C	23.7
US 59 SBFR at Sorters Road	A	8.1	C	22.6
Loop 494 at Sorters Road	B	10.5	B	11.5
Hamblen Road at US 59 NBFR*	B	19.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	none	none	none	none
Hamblen Road at Laurel Springs Lane*	B	15.6	B	15.7
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	3	7
F	2	7
Total	5	14

2020 Level of Service/Delay for Alternative E

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	E	68.9	C	29.9
Northpark Drive at US 59 NBFR	C	23.6	D	42.2
Northpark Drive at Loop 494	F	149.2	F	99.7
Northpark Drive WB at Russell Palmer Road	C	22.6	C	32.1
Northpark Drive EB at Russell Palmer Road	C	34.6	E	76.1
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	E	72.9	F	88.3
Northpark Drive at Brookdale Drive	D	45.2	E	67.8
Northpark Drive at Lake Houston Parkway	D	40.1	F	98.4
Northpark Drive WB at Rock Springs Drive	C	31.8	C	31.6
Northpark Drive EB at Rock Springs Drive	D	43.3	D	39.5
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.3	E	67.6
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.7	C	27.6
Lake Houston Parkway NB @ Kings Crossing Drive	F	225.3	F	282.8
Lake Houston Parkway SB @ Kings Crossing Drive	F	137.8	F	321.7
Kingwood Drive at Sorters Road*	B	10.2	F	149.3
Kingwood Drive at US 59 SBFR	C	20.9	D	54.0
Kingwood Drive at US 59 NBFR	C	25.3	C	23.2
Kingwood Drive at Loop 494	B	19.0	F	95.6
Kingwood Drive at Royal Forest Drive	F	228.6	D	54.0
Kingwood Drive WB at Chestnut Ridge Drive	D	47.2	E	77.8
Kingwood Drive EB at Chestnut Ridge Drive	D	44.7	E	70.2
Kingwood Drive WB at Green Oak Drive	D	35.5	E	64.9
Kingwood Drive EB at Green Oak Drive	D	42.9	F	148.0
Kingwood Drive at Woodland Grove Drive	E	55.3	E	75.8
Kingwood Drive at Trailwood Village Drive	F	123.0	F	88.2
Kingwood Drive at Woodland Hills Drive	E	78.3	F	164.5
Kingwood Drive WB at Lake Kingwood Trail	C	20.8	C	20.8
Kingwood Drive EB at Lake Kingwood Trail	C	23.1	D	43.2
Kingwood Drive WB at Kingwood High School	C	20.4	C	23.1
Kingwood Drive EB at Kingwood High School	B	15.4	C	21.3
Kingwood Drive at Lake Houston Parkway	D	39.8	D	52.3
Kingwood Drive at Forest Garden Drive	C	21.0	D	42.2
Kingwood Drive WB at Timber Shade Drive	B	10.6	B	13.6
Kingwood Drive EB at Timber Shade Drive	C	27.2	D	37.4
Kingwood Drive WB at Willow Terrace Drive	C	25.0	B	16.1
Kingwood Drive EB at Willow Terrace Drive	E	58.7	E	67.8
Kingwood Drive WB at High Valley Drive	C	24.5	B	19.8
Kingwood Drive EB at High Valley Drive	C	33.9	C	20.3
US 59 SBFR at Sorters Road	A	6.2	B	15.6
Loop 494 at Sorters Road	A	8.5	A	9.0
Hamblen Road at US 59 NBFR*	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	4.0	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	5	8
F	5	8
Total	10	16

2020 Level of Service/Delay for Alternative F

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	D	52.3	D	40.1
Northpark Drive at US 59 NBFR	B	15.1	C	23.9
Northpark Drive at Loop 494	C	28.0	F	103.9
Northpark Drive WB at Russell Palmer Road	B	19.1	C	34.1
Northpark Drive EB at Russell Palmer Road	C	34.6	E	72.0
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	E	72.9	F	88.3
Northpark Drive at Brookdale Drive	D	45.2	E	67.8
Northpark Drive at Lake Houston Parkway	B	18.6	F	98.4
Northpark Drive WB at Rock Springs Drive	C	31.8	C	31.6
Northpark Drive EB at Rock Springs Drive	D	43.3	D	39.5
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.3	E	67.6
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.7	C	27.6
Lake Houston Parkway NB @ Kings Crossing Drive	F	225.3	F	282.8
Lake Houston Parkway SB @ Kings Crossing Drive	F	137.8	F	321.7
Kingwood Drive at Sorters Road*	B	10.2	F	149.3
Kingwood Drive at US 59 SBFR	D	47.2	D	42.1
Kingwood Drive at US 59 NBFR	E	66.6	D	35.5
Kingwood Drive at Loop 494	F	158.3	F	103.3
Kingwood Drive at Royal Forest Drive	F	297.4	D	54.5
Kingwood Drive WB at Chestnut Ridge Drive	D	47.2	E	77.8
Kingwood Drive EB at Chestnut Ridge Drive	D	44.7	E	70.2
Kingwood Drive WB at Green Oak Drive	D	35.5	E	64.9
Kingwood Drive EB at Green Oak Drive	D	42.9	F	148.0
Kingwood Drive at Woodland Grove Drive	E	55.3	E	75.8
Kingwood Drive at Trailwood Village Drive	F	123.0	F	88.2
Kingwood Drive at Woodland Hills Drive	E	78.3	F	164.5
Kingwood Drive WB at Lake Kingwood Trail	C	20.8	C	20.8
Kingwood Drive EB at Lake Kingwood Trail	C	23.1	D	43.2
Kingwood Drive WB at Kingwood High School	C	20.4	C	29.4
Kingwood Drive EB at Kingwood High School	B	15.4	C	22.6
Kingwood Drive at Lake Houston Parkway	D	39.8	D	52.3
Kingwood Drive at Forest Garden Drive	C	21.0	D	42.2
Kingwood Drive WB at Timber Shade Drive	B	10.6	B	13.6
Kingwood Drive EB at Timber Shade Drive	C	27.2	D	37.4
Kingwood Drive WB at Willow Terrace Drive	C	25.0	B	16.1
Kingwood Drive EB at Willow Terrace Drive	E	58.7	E	67.8
Kingwood Drive WB at High Valley Drive	C	24.5	B	19.8
Kingwood Drive EB at High Valley Drive	C	33.9	C	20.3
US 59 SBFR at Sorters Road	A	6.2	B	15.6
Loop 494 at Sorters Road	A	8.5	A	9.0
Hamblen Road at US 59 NBFR*	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	4.0	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	5	8
F	5	8
Total	10	16

2020 Level of Service/Delay for Alternative G

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	E	68.9	C	29.9
Northpark Drive at US 59 NBFR	C	23.6	D	42.2
Northpark Drive at Loop 494	F	149.2	F	99.2
Northpark Drive WB at Russell Palmer Road	C	22.6	C	32.1
Northpark Drive EB at Russell Palmer Road	C	34.6	E	76.1
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	E	72.8	F	88.3
Northpark Drive at Brookdale Drive	D	45.2	E	67.8
Northpark Drive at Lake Houston Parkway	D	40.1	F	98.4
Northpark Drive WB at Rock Springs Drive	C	31.8	C	31.6
Northpark Drive EB at Rock Springs Drive	D	43.3	D	39.5
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.3	E	67.6
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.7	C	27.6
Lake Houston Parkway NB @ Kings Crossing Drive	F	225.3	F	282.8
Lake Houston Parkway SB @ Kings Crossing Drive	F	137.8	F	321.7
Kingwood Drive at Sorters Road*	B	10.2	F	149.3
Kingwood Drive at US 59 SBFR	D	39.9	D	54.0
Kingwood Drive at US 59 NBFR	C	22.7	C	23.7
Kingwood Drive at Loop 494	C	27.6	D	35.1
Kingwood Drive at Royal Forest Drive	B	11.0	C	29.9
Kingwood Drive WB at Chestnut Ridge Drive	C	27.9	E	67.6
Kingwood Drive EB at Chestnut Ridge Drive	D	42.9	E	70.0
Kingwood Drive WB at Green Oak Drive	C	21.7	E	62.6
Kingwood Drive EB at Green Oak Drive	C	30.8	D	52.4
Kingwood Drive at Woodland Grove Drive	B	17.5	C	21.1
Kingwood Drive at Trailwood Village Drive	C	26.4	B	18.0
Kingwood Drive at Woodland Hills Drive	C	21.2	F	89.7
Kingwood Drive WB at Lake Kingwood Trail	C	20.8	C	20.8
Kingwood Drive EB at Lake Kingwood Trail	C	23.1	D	43.2
Kingwood Drive WB at Kingwood High School	C	20.4	C	29.4
Kingwood Drive EB at Kingwood High School	B	18.3	C	22.6
Kingwood Drive at Lake Houston Parkway	D	39.8	D	52.3
Kingwood Drive at Forest Garden Drive	C	21.0	D	42.2
Kingwood Drive WB at Timber Shade Drive	B	10.6	B	13.6
Kingwood Drive EB at Timber Shade Drive	C	27.2	D	37.4
Kingwood Drive WB at Willow Terrace Drive	C	25.0	B	16.1
Kingwood Drive EB at Willow Terrace Drive	E	58.7	E	67.8
Kingwood Drive WB at High Valley Drive	C	24.5	B	19.8
Kingwood Drive EB at High Valley Drive	C	33.9	C	20.3
US 59 SBFR at Sorters Road	A	6.3	B	15.6
Loop 494 at Sorters Road	A	8.5	A	9.0
Hamblen Road at US 59 NBFR*	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	4.0	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	3	7
F	3	7
Total	6	14

2020 Level of Service/Delay for Alternative H

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	D	48.5	D	42.0
Northpark Drive at US 59 NBFR	B	15.4	C	29.2
Northpark Drive at Loop 494	C	34.6	E	72.5
Northpark Drive WB at Russell Palmer Road	B	17.1	C	27.0
Northpark Drive EB at Russell Palmer Road	C	30.0	D	46.3
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	D	41.4	D	42.0
Northpark Drive at Brookdale Drive	B	19.9	C	30.7
Northpark Drive at Lake Houston Parkway	D	45.4	D	49.2
Northpark Drive WB at Rock Springs Drive	C	31.9	C	31.7
Northpark Drive EB at Rock Springs Drive	D	43.6	D	39.6
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.5	E	69.2
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.9	C	30.7
Lake Houston Parkway NB @ Kings Crossing Drive	F	142.2	F	288.6
Lake Houston Parkway SB @ Kings Crossing Drive	F	233.1	F	324.6
Kingwood Drive at Sorters Road*	B	10.2	F	144.5
Kingwood Drive at US 59 SBFR	E	56.4	D	51.1
Kingwood Drive at US 59 NBFR	D	43.0	D	46.1
Kingwood Drive at Loop 494	D	54.8	E	79.3
Kingwood Drive at Royal Forest Drive	D	43.5	F	89.4
Kingwood Drive WB at Chestnut Ridge Drive	C	21.5	E	63.5
Kingwood Drive EB at Chestnut Ridge Drive	D	45.1	F	196.7
Kingwood Drive WB at Green Oak Drive	C	26.3	E	73.5
Kingwood Drive EB at Green Oak Drive	D	47.8	E	61.9
Kingwood Drive at Woodland Grove Drive	B	15.3	C	20.5
Kingwood Drive at Trailwood Village Drive	C	26.2	C	21.5
Kingwood Drive at Woodland Hills Drive	C	23.4	F	80.7
Kingwood Drive WB at Lake Kingwood Trail	C	22.0	C	23.6
Kingwood Drive EB at Lake Kingwood Trail	C	24.3	D	44.8
Kingwood Drive WB at Kingwood High School	C	21.5	C	29.9
Kingwood Drive EB at Kingwood High School	C	20.4	C	20.1
Kingwood Drive at Lake Houston Parkway	D	52.8	E	64.5
Kingwood Drive at Forest Garden Drive	B	17.8	D	51.5
Kingwood Drive WB at Timber Shade Drive	B	12.2	C	20.3
Kingwood Drive EB at Timber Shade Drive	C	27.3	D	39.2
Kingwood Drive WB at Willow Terrace Drive	C	25.4	B	16.7
Kingwood Drive EB at Willow Terrace Drive	D	53.3	C	30.5
Kingwood Drive WB at High Valley Drive	C	24.7	B	19.9
Kingwood Drive EB at High Valley Drive	D	53.1	C	23.7
US 59 SBFR at Sorters Road	A	8.1	C	22.6
Loop 494 at Sorters Road	B	10.5	B	11.5
Hamblen Road at US 59 NBFR*	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	none	none	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	1	7
F	2	7
Total	3	14

2020 Level of Service/Delay for Alternative I

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	D	52.3	D	40.1
Northpark Drive at US 59 NBFR	B	15.1	C	26.7
Northpark Drive at Loop 494	A	8.7	E	67.1
Northpark Drive WB at Russell Palmer Road	B	15.8	C	30.8
Northpark Drive EB at Russell Palmer Road	C	32.3	E	76.1
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	E	70.1	E	57.0
Northpark Drive at Brookdale Drive	D	45.6	E	76.4
Northpark Drive at Lake Houston Parkway	D	40.1	F	95.4
Northpark Drive WB at Rock Springs Drive	C	31.8	C	31.6
Northpark Drive EB at Rock Springs Drive	D	43.3	D	35.5
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.3	E	67.6
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.7	C	27.6
Lake Houston Parkway NB @ Kings Crossing Drive	F	225.3	F	282.8
Lake Houston Parkway SB @ Kings Crossing Drive	F	137.8	F	321.7
Kingwood Drive at Sorters Road*	B	10.2	F	149.3
Kingwood Drive at US 59 SBFR	D	39.9	E	56.5
Kingwood Drive at US 59 NBFR	C	22.7	C	27.2
Kingwood Drive at Loop 494	C	27.4	D	37.6
Kingwood Drive at Royal Forest Drive	B	10.3	D	36.0
Kingwood Drive WB at Chestnut Ridge Drive	C	27.9	E	67.7
Kingwood Drive EB at Chestnut Ridge Drive	D	42.9	E	70.2
Kingwood Drive WB at Green Oak Drive	C	21.7	E	62.6
Kingwood Drive EB at Green Oak Drive	C	30.8	D	52.4
Kingwood Drive at Woodland Grove Drive	B	17.5	C	21.1
Kingwood Drive at Trailwood Village Drive	C	26.4	B	18.0
Kingwood Drive at Woodland Hills Drive	C	21.2	F	89.7
Kingwood Drive WB at Lake Kingwood Trail	C	20.8	C	20.8
Kingwood Drive EB at Lake Kingwood Trail	C	23.1	D	43.2
Kingwood Drive WB at Kingwood High School	C	20.4	C	29.4
Kingwood Drive EB at Kingwood High School	B	18.3	C	22.6
Kingwood Drive at Lake Houston Parkway	D	39.8	D	52.3
Kingwood Drive at Forest Garden Drive	C	21.0	D	42.2
Kingwood Drive WB at Timber Shade Drive	B	10.6	B	13.6
Kingwood Drive EB at Timber Shade Drive	C	27.2	D	37.4
Kingwood Drive WB at Willow Terrace Drive	C	25.0	B	16.1
Kingwood Drive EB at Willow Terrace Drive	E	58.7	E	67.8
Kingwood Drive WB at High Valley Drive	C	24.5	B	19.8
Kingwood Drive EB at High Valley Drive	C	33.9	C	20.3
US 59 SBFR at Sorters Road	A	6.3	B	15.6
Loop 494 at Sorters Road	A	8.5	A	9.0
Hamblen Road at US 59 NBFR*	A	4.1		0.0
Hamblen Road at W. Hamblen/US 59 NBFR*	A	4.0	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	2	10
F	2	10
Total	4	20

2020 Level of Service/Delay for Alternative J

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	E	69.6	C	31.3
Northpark Drive at US 59 NBFR	C	24.4	D	42.3
Northpark Drive at Loop 494	E	66.5	F	102.5
Northpark Drive WB at Russell Palmer Road	C	22.2	C	32.0
Northpark Drive EB at Russell Palmer Road	C	34.4	E	73.5
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	F	359.0	F	144.0
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	D	36.4	F	347.5
Northpark Drive at Woodland Hills Drive	E	57.7	D	44.8
Northpark Drive at Brookdale Drive	B	19.9	E	64.1
Northpark Drive at Lake Houston Parkway	D	45.4	F	98.4
Northpark Drive WB at Rock Springs Drive	C	31.9	C	31.7
Northpark Drive EB at Rock Springs Drive	D	43.6	D	39.6
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.5	E	69.2
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.9	C	30.7
Lake Houston Parkway NB @ Kings Crossing Drive	F	233.1	F	288.6
Lake Houston Parkway SB @ Kings Crossing Drive	F	142.2	F	324.6
Kingwood Drive at Sorters Road*	B	10.2	F	144.5
Kingwood Drive at US 59 SBFR	D	38.4	D	52.5
Kingwood Drive at US 59 NBFR	D	48.1	D	45.8
Kingwood Drive at Loop 494	D	54.4	E	77.6
Kingwood Drive at Royal Forest Drive	D	35.7	F	89.4
Kingwood Drive WB at Chestnut Ridge Drive	C	20.7	E	63.5
Kingwood Drive EB at Chestnut Ridge Drive	D	47.9	F	196.7
Kingwood Drive WB at Green Oak Drive	C	29.6	E	73.5
Kingwood Drive EB at Green Oak Drive	D	38.5	F	83.2
Kingwood Drive at Woodland Grove Drive	B	10.3	C	20.5
Kingwood Drive at Trailwood Village Drive	D	42.3	C	21.5
Kingwood Drive at Woodland Hills Drive	E	76.7	F	227.1
Kingwood Drive WB at Lake Kingwood Trail	C	22.0	C	23.6
Kingwood Drive EB at Lake Kingwood Trail	C	24.3	D	44.8
Kingwood Drive WB at Kingwood High School	C	21.5	C	29.9
Kingwood Drive EB at Kingwood High School	C	20.4	C	20.1
Kingwood Drive at Lake Houston Parkway	D	52.8	E	64.5
Kingwood Drive at Forest Garden Drive	B	17.8	D	51.5
Kingwood Drive WB at Timber Shade Drive	B	10.7	C	20.3
Kingwood Drive EB at Timber Shade Drive	C	27.3	D	39.2
Kingwood Drive WB at Willow Terrace Drive	C	25.2	B	16.7
Kingwood Drive EB at Willow Terrace Drive	E	61.0	C	30.5
Kingwood Drive WB at High Valley Drive	C	24.7	B	19.9
Kingwood Drive EB at High Valley Drive	none	none	C	23.7
US 59 SBFR at Sorters Road	A	8.1	C	22.6
Loop 494 at Sorters Road	B	10.5	B	11.5
Hamblen Road at US 59 NBFR*	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	4.0	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	5	7
F	3	7
Total	8	14

2020 Level of Service/Delay for Alternative K

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	E	68.9	C	29.9
Northpark Drive at US 59 NBFR	C	23.6	D	42.1
Northpark Drive at Loop 494	D	45.1	E	60.9
Northpark Drive WB at Russell Palmer Road	B	15.8	C	30.8
Northpark Drive EB at Russell Palmer Road	C	32.3	E	76.1
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	E	70.1	E	57.0
Northpark Drive at Brookdale Drive	D	45.6	E	76.4
Northpark Drive at Lake Houston Parkway	D	40.1	F	95.4
Northpark Drive WB at Rock Springs Drive	C	31.8	C	31.6
Northpark Drive EB at Rock Springs Drive	D	43.3	D	35.5
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.3	E	67.6
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.7	C	27.6
Lake Houston Parkway NB @ Kings Crossing Drive	F	225.3	F	282.8
Lake Houston Parkway SB @ Kings Crossing Drive	F	137.8	F	321.7
Kingwood Drive at Sorters Road*	B	10.2	F	149.3
Kingwood Drive at US 59 SBFR	D	37.5	D	39.7
Kingwood Drive at US 59 NBFR	C	25.6	C	34.7
Kingwood Drive at Loop 494	C	24.0	D	35.5
Kingwood Drive at Royal Forest Drive	B	11.9	C	30.6
Kingwood Drive WB at Chestnut Ridge Drive	C	27.9	E	67.7
Kingwood Drive EB at Chestnut Ridge Drive	D	42.9	E	70.2
Kingwood Drive WB at Green Oak Drive	C	21.7	E	62.6
Kingwood Drive EB at Green Oak Drive	C	30.8	D	52.4
Kingwood Drive at Woodland Grove Drive	B	17.5	C	21.1
Kingwood Drive at Trailwood Village Drive	C	26.4	B	18.0
Kingwood Drive at Woodland Hills Drive	C	21.2	F	89.7
Kingwood Drive WB at Lake Kingwood Trail	C	20.8	C	20.8
Kingwood Drive EB at Lake Kingwood Trail	C	23.1	D	43.2
Kingwood Drive WB at Kingwood High School	C	20.4	C	29.4
Kingwood Drive EB at Kingwood High School	B	18.3	C	22.6
Kingwood Drive at Lake Houston Parkway	D	39.8	D	52.3
Kingwood Drive at Forest Garden Drive	C	21.0	D	42.2
Kingwood Drive WB at Timber Shade Drive	B	10.6	B	13.6
Kingwood Drive EB at Timber Shade Drive	C	27.2	D	37.4
Kingwood Drive WB at Willow Terrace Drive	C	25.0	B	16.1
Kingwood Drive EB at Willow Terrace Drive	E	58.7	E	67.8
Kingwood Drive WB at High Valley Drive	C	24.5	B	19.8
Kingwood Drive EB at High Valley Drive	C	33.9	C	20.3
US 59 SBFR at Sorters Road	A	6.3	B	15.6
Loop 494 at Sorters Road	A	8.5	A	9.0
Hamblen Road at US 59 NBFR*	A	4.1		0.0
Hamblen Road at W. Hamblen/US 59 NBFR*	A	4.0	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	3	9
F	2	9
Total	5	18

2020 Level of Service/Delay for Alternative L

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	E	68.9	C	29.9
Northpark Drive at US 59 NBFR	C	23.6	D	42.2
Northpark Drive at Loop 494	F	149.2	F	99.7
Northpark Drive WB at Russell Palmer Road	C	22.6	C	32.1
Northpark Drive EB at Russell Palmer Road	C	34.6	E	76.1
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	E	72.9	F	88.3
Northpark Drive at Brookdale Drive	D	45.2	E	67.8
Northpark Drive at Lake Houston Parkway	D	40.1	F	98.4
Northpark Drive WB at Rock Springs Drive	C	31.8	C	31.6
Northpark Drive EB at Rock Springs Drive	D	43.3	D	39.5
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.3	C	27.6
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.7	E	67.6
Lake Houston Parkway NB @ Kings Crossing Drive	F	225.3	F	321.7
Lake Houston Parkway SB @ Kings Crossing Drive	F	137.8	F	282.8
Kingwood Drive at Sorters Road*	B	10.2	F	149.3
Kingwood Drive at US 59 SBFR	C	30.1	C	30.3
Kingwood Drive at US 59 NBFR	C	28.5	C	31.7
Kingwood Drive at Loop 494	B	19.0	F	98.8
Kingwood Drive at Royal Forest Drive	F	228.6	D	54.0
Kingwood Drive WB at Chestnut Ridge Drive	D	47.2	E	77.8
Kingwood Drive EB at Chestnut Ridge Drive	D	44.7	E	70.2
Kingwood Drive WB at Green Oak Drive	D	35.5	E	64.9
Kingwood Drive EB at Green Oak Drive	D	42.9	F	148.0
Kingwood Drive at Woodland Grove Drive	E	55.3	E	75.8
Kingwood Drive at Trailwood Village Drive	F	123.0	F	88.2
Kingwood Drive at Woodland Hills Drive	E	78.3	F	164.5
Kingwood Drive WB at Lake Kingwood Trail	C	20.8	C	20.8
Kingwood Drive EB at Lake Kingwood Trail	C	23.1	D	43.2
Kingwood Drive WB at Kingwood High School	C	20.4	C	23.1
Kingwood Drive EB at Kingwood High School	B	15.4	C	21.3
Kingwood Drive at Lake Houston Parkway	D	39.8	D	52.3
Kingwood Drive at Forest Garden Drive	C	21.0	D	42.2
Kingwood Drive WB at Timber Shade Drive	B	10.6	B	13.6
Kingwood Drive EB at Timber Shade Drive	C	27.2	D	37.4
Kingwood Drive WB at Willow Terrace Drive	C	25.0	B	16.1
Kingwood Drive EB at Willow Terrace Drive	E	58.7	E	67.8
Kingwood Drive WB at High Valley Drive	C	24.5	B	19.8
Kingwood Drive EB at High Valley Drive	C	33.9	C	20.3
US 59 SBFR at Sorters Road	A	6.2	B	15.6
Loop 494 at Sorters Road	A	8.5	A	9.0
Hamblen Road at US 59 NBFR*	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	4.0	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	5	8
F	5	8
Total	10	16

2020 Level of Service/Delay for Alternative M

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	C	29.8	C	29.2
Northpark Drive at US 59 NBFR	C	22.9	C	31.0
Northpark Drive at Loop 494	C	28.0	F	103.8
Northpark Drive WB at Russell Palmer Road	B	19.1	C	34.1
Northpark Drive EB at Russell Palmer Road	C	34.6	E	72.0
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	E	72.9	F	88.3
Northpark Drive at Brookdale Drive	D	45.2	E	67.8
Northpark Drive at Lake Houston Parkway	B	18.6	F	98.4
Northpark Drive WB at Rock Springs Drive	C	31.8	C	31.6
Northpark Drive EB at Rock Springs Drive	D	43.3	D	39.5
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.3	E	67.6
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.7	C	27.6
Lake Houston Parkway NB @ Kings Crossing Drive	F	225.3	F	282.8
Lake Houston Parkway SB @ Kings Crossing Drive	F	137.8	F	321.7
Kingwood Drive at Sorters Road*	B	10.2	F	149.3
Kingwood Drive at US 59 SBFR	D	43.4	D	40.1
Kingwood Drive at US 59 NBFR	E	66.5	D	35.5
Kingwood Drive at Loop 494	F	158.3	F	103.3
Kingwood Drive at Royal Forest Drive	F	297.4	D	54.5
Kingwood Drive WB at Chestnut Ridge Drive	D	47.2	E	77.8
Kingwood Drive EB at Chestnut Ridge Drive	D	44.7	E	70.2
Kingwood Drive WB at Green Oak Drive	D	35.5	E	64.9
Kingwood Drive EB at Green Oak Drive	D	42.9	F	148.0
Kingwood Drive at Woodland Grove Drive	E	55.3	E	75.8
Kingwood Drive at Trailwood Village Drive	F	123.0	F	88.2
Kingwood Drive at Woodland Hills Drive	E	78.3	F	164.5
Kingwood Drive WB at Lake Kingwood Trail	C	20.8	C	20.8
Kingwood Drive EB at Lake Kingwood Trail	C	23.1	D	43.2
Kingwood Drive WB at Kingwood High School	C	20.4	C	29.4
Kingwood Drive EB at Kingwood High School	B	15.4	C	22.6
Kingwood Drive at Lake Houston Parkway	D	39.8	D	52.3
Kingwood Drive at Forest Garden Drive	C	21.0	D	42.2
Kingwood Drive WB at Timber Shade Drive	B	10.6	B	13.6
Kingwood Drive EB at Timber Shade Drive	C	27.2	D	37.4
Kingwood Drive WB at Willow Terrace Drive	C	25.0	B	16.1
Kingwood Drive EB at Willow Terrace Drive	E	58.7	E	67.8
Kingwood Drive WB at High Valley Drive	C	24.5	B	19.8
Kingwood Drive EB at High Valley Drive	C	33.9	C	20.3
US 59 SBFR at Sorters Road	A	6.2	B	15.6
Loop 494 at Sorters Road	A	8.5	A	9.0
Hamblen Road at US 59 NBFR*	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	4.0	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	5	8
F	5	8
Total	10	16

2020 Level of Service/Delay for Alternative N

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	E	68.9	C	29.9
Northpark Drive at US 59 NBFR	C	23.6	D	42.2
Northpark Drive at Loop 494	F	149.2	F	99.2
Northpark Drive WB at Russell Palmer Road	C	22.6	C	32.1
Northpark Drive EB at Russell Palmer Road	C	34.6	E	76.1
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	E	72.8	F	88.3
Northpark Drive at Brookdale Drive	D	45.2	E	67.8
Northpark Drive at Lake Houston Parkway	D	40.1	F	98.4
Northpark Drive WB at Rock Springs Drive	C	31.8	C	31.6
Northpark Drive EB at Rock Springs Drive	D	43.3	D	39.5
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.3	E	67.6
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.7	C	27.6
Lake Houston Parkway NB @ Kings Crossing Drive	F	225.3	F	282.8
Lake Houston Parkway SB @ Kings Crossing Drive	F	137.8	F	321.7
Kingwood Drive at Sorters Road*	B	10.2	F	149.3
Kingwood Drive at US 59 SBFR	D	37.5	D	39.6
Kingwood Drive at US 59 NBFR	C	25.6	D	36.5
Kingwood Drive at Loop 494	C	27.6	E	56.4
Kingwood Drive at Royal Forest Drive	B	11.0	C	29.9
Kingwood Drive WB at Chestnut Ridge Drive	C	27.9	E	67.6
Kingwood Drive EB at Chestnut Ridge Drive	D	42.9	E	70.0
Kingwood Drive WB at Green Oak Drive	C	21.7	E	62.6
Kingwood Drive EB at Green Oak Drive	C	30.8	D	52.4
Kingwood Drive at Woodland Grove Drive	B	17.5	C	21.1
Kingwood Drive at Trailwood Village Drive	C	26.4	B	18.0
Kingwood Drive at Woodland Hills Drive	C	21.2	F	89.7
Kingwood Drive WB at Lake Kingwood Trail	C	20.8	C	20.8
Kingwood Drive EB at Lake Kingwood Trail	C	23.1	D	43.2
Kingwood Drive WB at Kingwood High School	C	20.4	C	29.4
Kingwood Drive EB at Kingwood High School	B	18.3	C	22.6
Kingwood Drive at Lake Houston Parkway	D	39.8	D	52.3
Kingwood Drive at Forest Garden Drive	C	21.0	D	42.2
Kingwood Drive WB at Timber Shade Drive	B	10.6	B	13.6
Kingwood Drive EB at Timber Shade Drive	C	27.2	D	37.4
Kingwood Drive WB at Willow Terrace Drive	C	25.0	B	16.1
Kingwood Drive EB at Willow Terrace Drive	E	58.7	E	67.8
Kingwood Drive WB at High Valley Drive	C	24.5	B	19.8
Kingwood Drive EB at High Valley Drive	C	33.9	C	20.3
US 59 SBFR at Sorters Road	A	6.3	B	15.6
Loop 494 at Sorters Road	A	8.5	A	9.0
Hamblen Road at US 59 NBFR*	none	none	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	4.1	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	3	8
F	3	8
Total	6	16

2020 Level of Service/Delay for Alternative O

Intersection	AM		PM	
	LOS	Delay	LOS	Delay
Northpark Drive at Sorters Road*	B	17.6	B	10.7
Northpark Drive at US 59 SBFR	C	33.0	C	31.3
Northpark Drive at US 59 NBFR	C	22.1	D	42.3
Northpark Drive at Loop 494	C	33.4	E	59.5
Northpark Drive WB at Russell Palmer Road	B	17.1	C	27.0
Northpark Drive EB at Russell Palmer Road	C	30.0	D	46.3
Northpark Drive WB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive EB at Hidden Pines/Woodridge Pkwy	none	none	none	none
Northpark Drive at Woodland Hills Drive	D	41.4	D	42.0
Northpark Drive at Brookdale Drive	B	19.9	C	30.7
Northpark Drive at Lake Houston Parkway	D	45.4	D	49.2
Northpark Drive WB at Rock Springs Drive	C	31.9	C	31.7
Northpark Drive EB at Rock Springs Drive	D	43.6	D	39.6
Lake Houston Parkway NB @ Rustic Woods Drive	D	39.5	E	69.2
Lake Houston Parkway SB @ Rustic Woods Drive	C	23.9	C	30.7
Lake Houston Parkway NB @ Kings Crossing Drive	F	233.1	F	288.6
Lake Houston Parkway SB @ Kings Crossing Drive	F	142.2	F	324.6
Kingwood Drive at Sorters Road*	B	10.2	F	144.5
Kingwood Drive at US 59 SBFR	E	56.4	D	51.1
Kingwood Drive at US 59 NBFR	D	43.0	D	46.1
Kingwood Drive at Loop 494	D	54.8	E	79.4
Kingwood Drive at Royal Forest Drive	D	43.5	F	89.4
Kingwood Drive WB at Chestnut Ridge Drive	C	21.5	E	63.5
Kingwood Drive EB at Chestnut Ridge Drive	D	45.1	F	196.7
Kingwood Drive WB at Green Oak Drive	C	26.3	E	73.5
Kingwood Drive EB at Green Oak Drive	D	47.8	E	61.9
Kingwood Drive at Woodland Grove Drive	B	15.3	C	20.5
Kingwood Drive at Trailwood Village Drive	C	26.2	C	21.5
Kingwood Drive at Woodland Hills Drive	C	23.4	F	80.7
Kingwood Drive WB at Lake Kingwood Trail	C	22.0	C	23.6
Kingwood Drive EB at Lake Kingwood Trail	C	24.3	D	44.8
Kingwood Drive WB at Kingwood High School	C	21.5	C	29.9
Kingwood Drive EB at Kingwood High School	C	20.4	C	20.1
Kingwood Drive at Lake Houston Parkway	D	52.8	E	64.5
Kingwood Drive at Forest Garden Drive	B	17.8	D	51.5
Kingwood Drive WB at Timber Shade Drive	B	12.2	C	20.3
Kingwood Drive EB at Timber Shade Drive	C	27.3	D	39.2
Kingwood Drive WB at Willow Terrace Drive	C	25.4	B	16.7
Kingwood Drive EB at Willow Terrace Drive	D	53.3	C	30.5
Kingwood Drive WB at High Valley Drive	C	24.7	B	19.9
Kingwood Drive EB at High Valley Drive	D	55.0	C	23.7
US 59 SBFR at Sorters Road	A	8.1	C	22.6
Loop 494 at Sorters Road	B	10.5	B	11.5
Hamblen Road at US 59 NBFR*	A	4.1	none	none
Hamblen Road at W. Hamblen/US 59 NBFR*	A	4.0	A	2.5
Hamblen Road at Laurel Springs Lane*	A	3.4	A	4.4
Hamblen Road at Forest Cove Drive*	A	9.3	F	104.5
Hamblen Road at Redbud Lane*	A	7.9	A	8.4

E	1	7
F	2	7
Total	3	14