STAKEHOLDER MEETING #2

KINGWOOD AREA MOBILITY STUDY

LAKE HOUSTON REDEVELOPMENT AUTHORITY (TIRZ # 10)

Overview

Lake Houston Redevelopment Authority authorized Gunda Corporation, in February 2014, to conduct a Mobility Study for the Kingwood Area.

The purpose of the Mobility Study is to develop a strategy to address Kingwood area transportation needs based on existing deficiencies and future growth. The Study was undertaken to improve the overall quality of life for Kingwood area citizens.

Goals

- 1. Obtain community input
- 2. Improve mobility short and long term
- 3. Maintain same or better quality of life
- 4. Identify funding sources and educate public regarding funding sources
- 5. Plan for future
- 6. Safety
- 7. Possible transit for aging population
- 8. Pedestrian facilities as part of Street Improvements
- 9. Public transportation
- 10. Trolley system not typical METRO bus
- 11. Quick fixes

Measures of Effectiveness

- 1. Less congestion
- 2. Decrease delay/travel time
- 3. Pedestrian safety/bicycle safety
- 4. Vehicular safety
- 5. Cost effectiveness
- 6. Schedule
- 7. Regulatory impacts
- 8. Environmental impacts including Tree Impacts

Project Schedule

Project Start: February 2014

First Stakeholder Meeting: May 13, 2014

Second Stakeholder Meeting: October 14, 2014

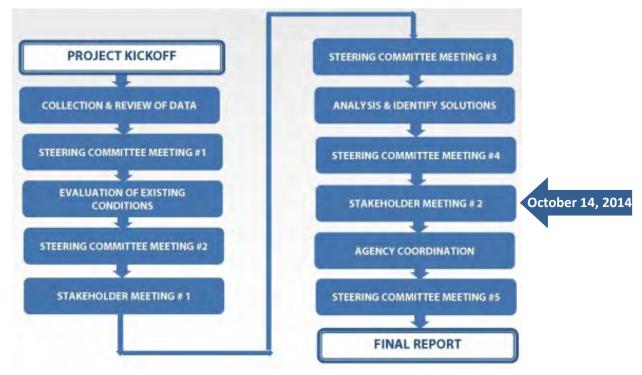
Draft Report: December 2014 Final Report: January 2015

Please e-mail your comments and suggestions to: kingwoodmobility@gundacorp.com

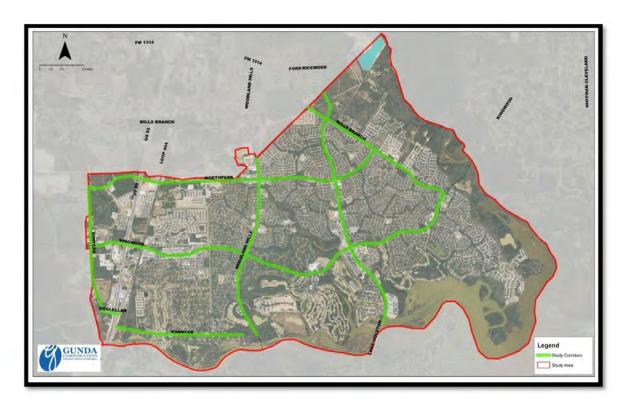
Please visit the Kingwood Mobility Study Website at: www.gundacorp.com/kingwood-mobility



Study Process Flow Chart



Study Area



Please e-mail your comments and suggestions to: kingwoodmobility@gundacorp.com

Please visit the Kingwood Mobility Study Website at: www.gundacorp.com/kingwood-mobility

Kingwood Area Mobility Study

Lake Houston Redevelopment Authority (TIRZ #10)

Stakeholder Meeting #2 Date: October 14, 2014

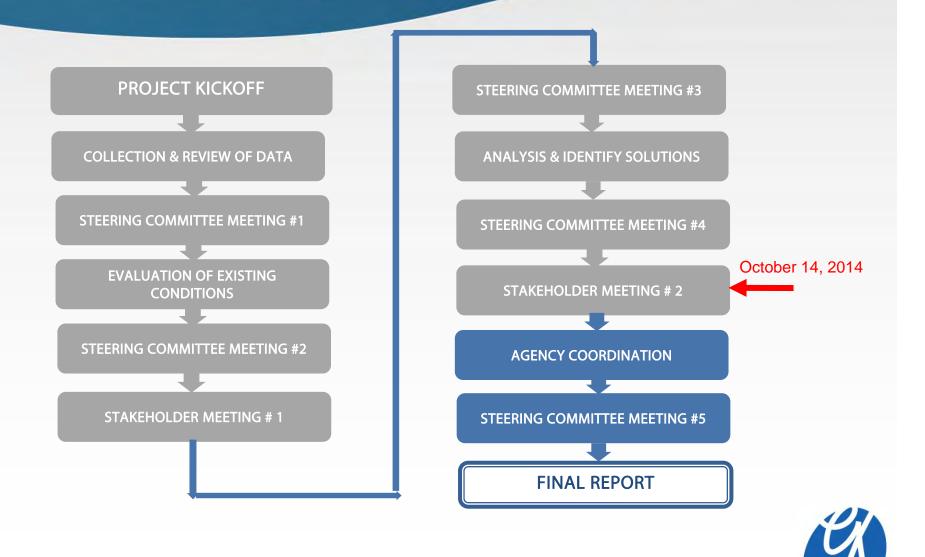


Introduction

- Council Member Dave Martin
- Stan Sarman, Steering Committee Chair



Recap



GOALS & MOE'S-Recap

GOALS

- Obtain community input
- Improve mobility short and long term
- Maintain same or better quality of life
- Identify funding sources
 - Educate public regarding funding sources
- Plan for future
- Safety
- Possible transit for aging population
- Pedestrian facilities as part of Street Improvements
- Public transportation
- Trolley system not typical METRO bus
- Quick fixes

MOE'S

- Less congestion
- Decrease delay/travel time
- Pedestrian safety/bicycle safety
- Vehicular safety
- Cost effectiveness
- Schedule
- Regulatory impacts
- Environmental impacts including Tree Impacts



New Developments

- Known Developments
 - Kings Creek Mixed Use 2014 Opening Year
 - Kingwood Parc Medical Office 2015 Opening Year
 - Watercrest Kingwood Senior Apartments 2015 Opening Year
 - Kings Crossings Retail 2017 Opening Year
 - Royal Brook Residential 2018 Opening Year
 - Woodridge Forest Development 2018 Opening Year
 - Riverpoint Village 2018 Opening Year
 - New Caney Middle School 2014 Opening Year
- Background Growth Rate of 2% per year up to 2020
- Approximately 4,000 trip-ends during peak hour due to these additional developments

Planned/Funded/Scheduled Roadway and Other Infrastructure Improvements

Planned Improvements & Known Development Lake Houston/Kingwood Area Mobility Study Legend



Public Input – E-mails and Survey

- 125 E-mail Comments as of October 14, 2014
 - Still receiving e-mails
- 1,075 surveys
 - Survey closed on June 30, 2014



Suggested Improvements by Citizens and Feasibility

- Reversible lanes on Kingwood Drive Not Feasible
- Woodland Hills Connection to Hamblen Analyzed
- Innovative Improvements such as roundabouts, diverging diamonds, and All-way stops Not Feasible
- Other intersection Improvements including signal timing improvements
 Analyzed
- Maintain green band for peak directions by eliminating off-peak left-turns
 Analyzed
- Direct Connector from Kingwood Drive to US 59 Analyzed
- Widen both Kingwood Drive and Northpark Drive Analyzed

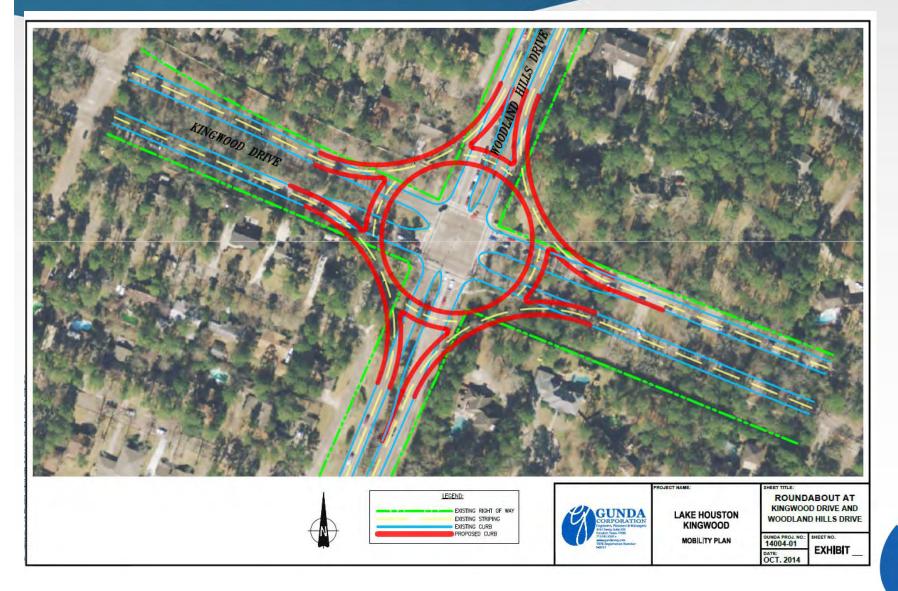


Suggested Improvements by Citizens and Feasibility

- Coordinate with Union Pacific on Rail Road timings and restrict rail timings during peak hours Coordinated
- Widen Hamblen Road to 4-Lanes Analyzed
- Connection to Huffman to the east Not Feasible
- Woodland Hills Connection through FM 1960 and ultimately to BW 8
 Not Feasible

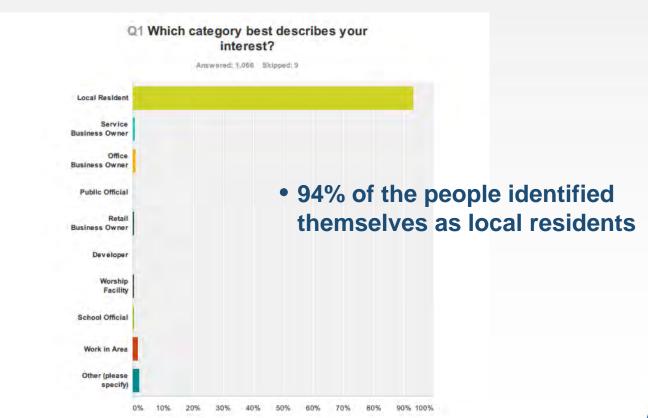


Suggested Improvements by Citizens and Feasibility



Survey Discussion

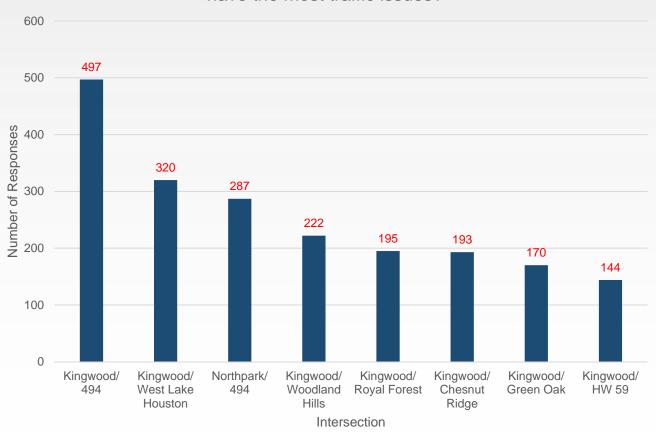
Question 1: Which Category best describes your interest?





Question 2

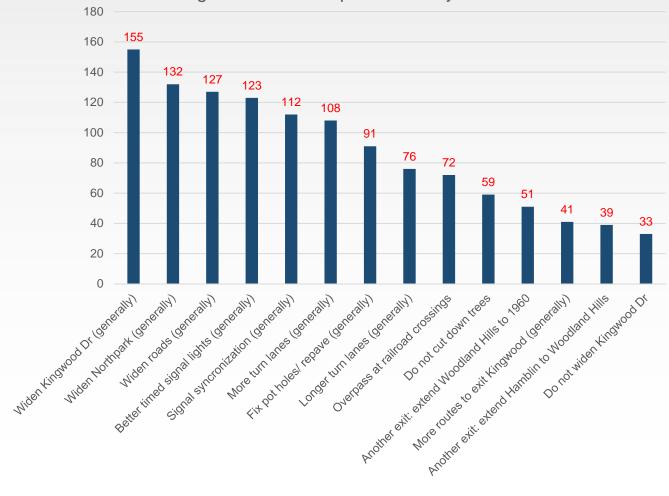
Q2: Which locations or intersections in Kingwood do you think have the most traffic issues?





Question 10

Q.10 What do you think should be done to roadways in the Kingwood area to improve mobility?

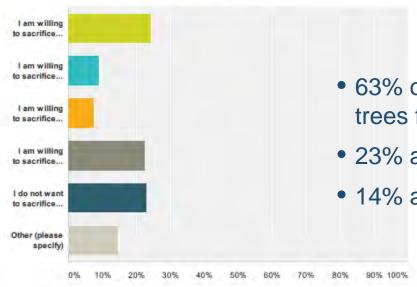




Question 12

Q12 Are you willing to sacrifice trees for relief of traffic congestion? Please select one:





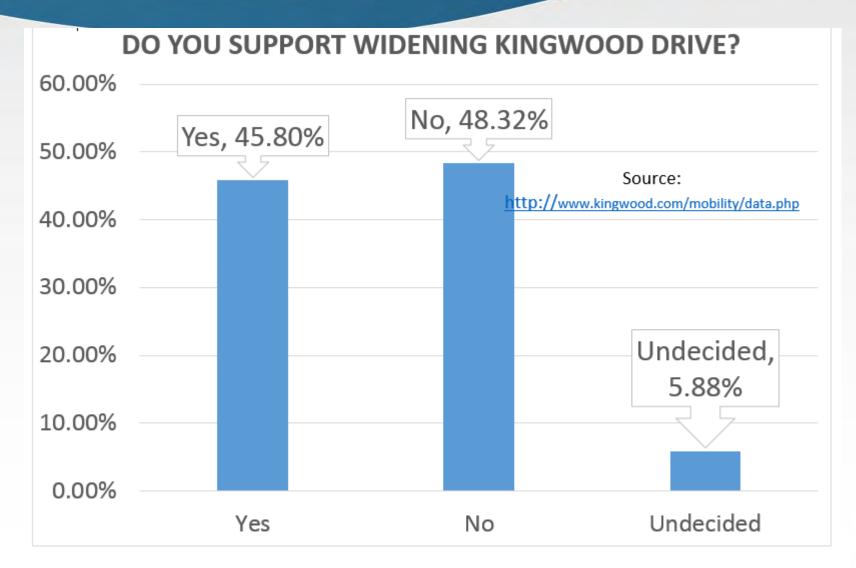
•	63%	of the	people	are wil	lling to	sacrific	е
	trees	for sa	vinas o	f at lea	st 10 r	minutes	

- 23% are not willing to sacrifice any trees
- 14% are undecided

Answer Choices	Responses
I am willing to sacrifice trees along major thoroughtares for travel time savings.	24.12% 255
I am willing to sacrifice 25% of trees along major thoroughfares for a travel time savings of 20 minutes every day.	8.80% 93
I am willing to sacrifice 10% of trees along major thoroughfares for a travel time savings of 10 minutes every day.	7.38% 78
I am willing to sacrifice some trees as long as an equal number of trees are planted elsewhere (reforestation) while achieving travel time savings of 10 minutes every day.	22.33% 236
I do not want to sacrifice a single tree, even if it means travel times continue to increase.	22.99% 243
Other (please specify)	14.38% 152
Total	1,057

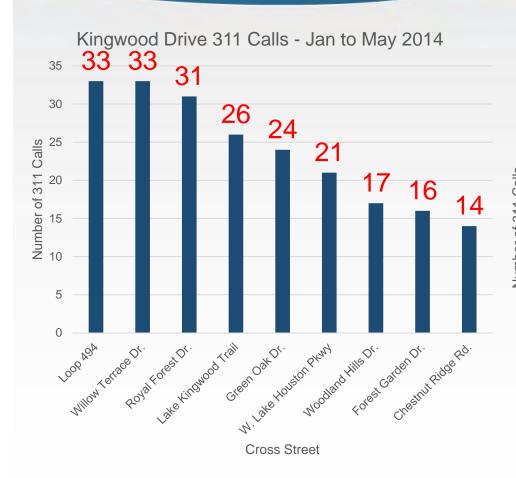


Kingwood.com Survey





311 Calls - Signal Repair



Northpark Drive 311 Calls - Jan To May 2014 35 32 30 25 10 9

Woodland Hills Dr.

Cross Street

0

Rock Springs Dr.



W. Lake Houston Pkwy

Travel Time Data

Field Collected Travel Times

AM Peak (Westbound)

On Kingwood Drive from High Valley to US 59 SB Frontage Road = 16.8 Min

PM Peak (Eastbound)

On Kingwood Drive from US 59 SB Frontage Road to High Valley = 18.4 Min

Synchro Model

AM Peak (Westbound)

On Kingwood Drive from High Valley to US 59 SB Frontage Road = 17.7 Min

PM Peak (Eastbound)

On Kingwood Drive from US 59 SB Frontage Road to High Valley = 20.3 Min



Speed Data

Kingwood High School (Westbound)							
Peak Period	Total	<25 mph	26-35 mph	36 to 45 mph	>45 mph		
6:30 AM to 7:45 AM	1,739	446	433	583	277		
2:30 PM to 3:15 PM	1,503	242	406	572	283		
School Zone Flasher Timings 6:40 AM to 7:40 AM and 2:30 PM to 3:15 PM							
Posted Speed	40 mph; School Zone Speed = 25 mph						
85th Percentile Speed 49.2 mph (DAILY BASIS)							

Kingwood High School (Eastbound)							
Peak Period	Total	<25 mph	26-35 mph	36 to 45 mph	>45 mph		
6:30 AM to 7:45 AM	973	348	532	91	2		
2:30 PM to 3:15 PM	893	379	466	47	1		
School Zone Flasher Timings	6:40 AM to 7:40 AM and 2:30 PM to 3:15 PM						
Posted Speed	40 mph; School Zone Speed = 25 mph						
85th Percentile Speed	35 mph (DAILY BASIS)						



Speed Data

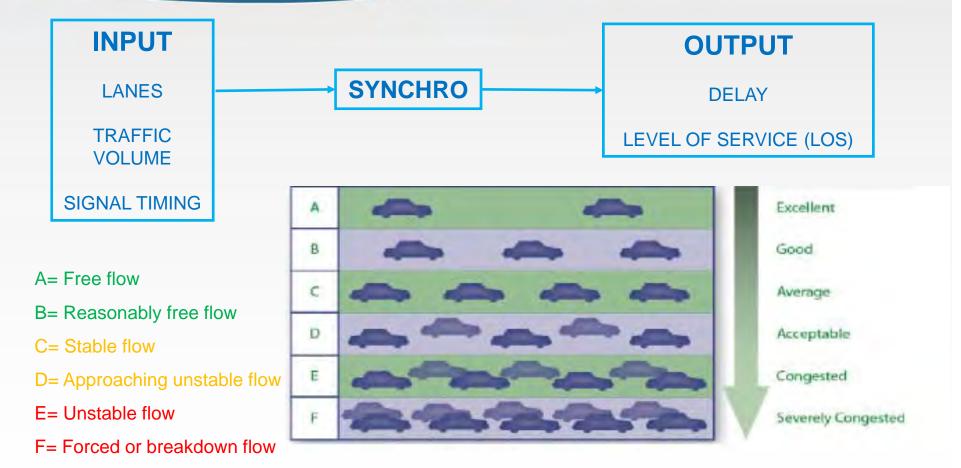
Creekwood Middle School (Southbound)						
Peak Period	Total	<20 mph	20-30 mph	30 to 45 mph	>45 mph	
7:45 AM to 9:00 AM	1,157	205	726	211	15	
3:30 PM to 4:30 PM	1,233	197	522	493	21	
School Zone Flasher Timings	7:50 AM to 8:50 AM and 3:40 PM to 4:25 PM					
Posted Speed	45 mph; School Zone Speed = 20 mph					
85th Percentile Speed	44.1 mph (DAILY BASIS)					
Creekwood Middle School (Northbound)						
Peak Period	Total	<20 mph	20-30 mph	30 to 45 mph	>45 mph	
7:45 AM to 9:00 AM	1,353	373	541	439	0	
3:30 PM to 4:30 PM	1,277	519	353	394	11	
School Zone 7:50 AM to 8:50 AM and 3:40 PM to 4:25 PM						
Posted Speed	osted Speed 45 mph; School Zone Speed = 20 mph					
85th Percentile Speed	40.3 mph (DAILY BASIS)					



COH MTFP Thresholds

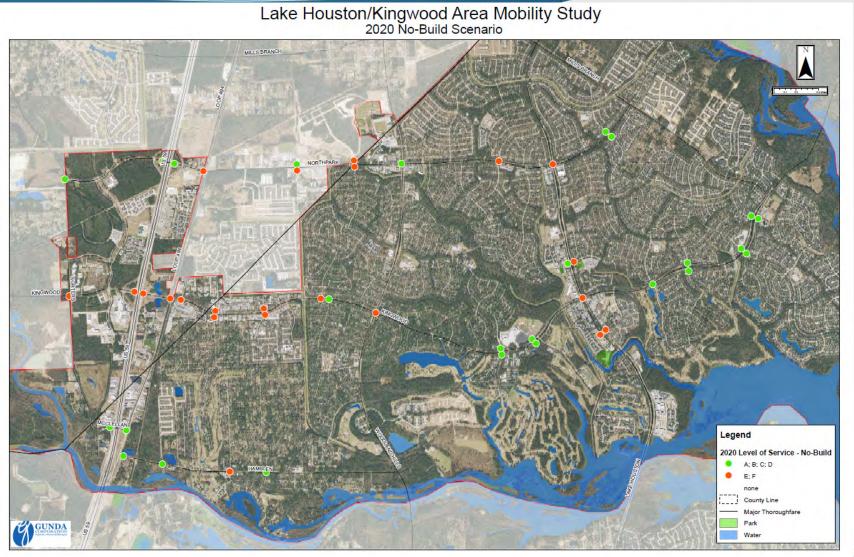
- City of Houston MTFP volume thresholds
 - *2-Lanes = 14,000 to 16,000 vehicles/day
 - ◆4-Lanes = 30,000 to 33,000 vehicles/day
 - ◆6-Lanes = 40,000 to 45,000 vehicles/day
- Kingwood Drive from US 59 to Woodland Hills Drive-Exceeded the threshold (Current Data=37K to 41K per day)
- Northpark Drive from US 59 to Woodland Hills Drive-Exceeded the threshold (Current Data=35K per day)
- West Lake Houston Parkway from Kingwood Drive to Bridge (south) – (Current Data=31K/day)

Traffic Analysis





2020 No- Build





Improvement Alternatives

- A. Intersection Improvements
- B. Left-Turn Prohibition in Off-Peak Direction
- C. 6-Lane Kingwood Drive only
- D. 6-Lane Northpark Drive only
- E. Direct Connector from Kingwood Drive to US 59 only
- F. Direct Connector from Northpark Drive to US 59 only
- G. 6-Lane Kingwood Drive with direct connector from Kingwood Drive to US 59
- H. 6-Lane Northpark Drive with direct connector from Northpark Drive to US 59
- I. 6-Lane Kingwood Drive, 6-Lane Northpark Drive, Direct Connector from Kingwood Drive to US 59, and Direct Connector from Northpark Drive to US 59
- J. Woodland Hills Drive Extension to Hamblen Road
- K. Widening of Kingwood Drive and Northpark Drive
- L. Underpass on Kingwood Drive @ Loop 494/Rail Road
- M. Underpass on Northpark Drive @ Loop 494/Rail Road



Improvement Alternatives

- N. 6-Lane Kingwood Drive and Underpass on Kingwood Drive @ Loop 494/Rail Road
- O. 6-Lane Northpark Drive and Underpass on Northpark Drive @ Loop 494/Rail Road



Alternative A: Intersection Improvements

- Traffic Signal Timing Coordination
- New Traffic Signal at Northpark Drive & Hidden Pines/Woodridge Parkway
- EBR at Northpark Drive & Hidden Pines
- EBR at Northpark Drive & West Lake Houston Parkway
- NBR at West Lake Houston Parkway & Kings Crossings Drive
- NBR at Kingwood Drive & Sorters Road
- EBR and WBR at Kingwood Drive & Loop 494
- NBR at Kingwood Drive & Royal Forest Drive
- EBR at Kingwood Drive & Green Oak Drive

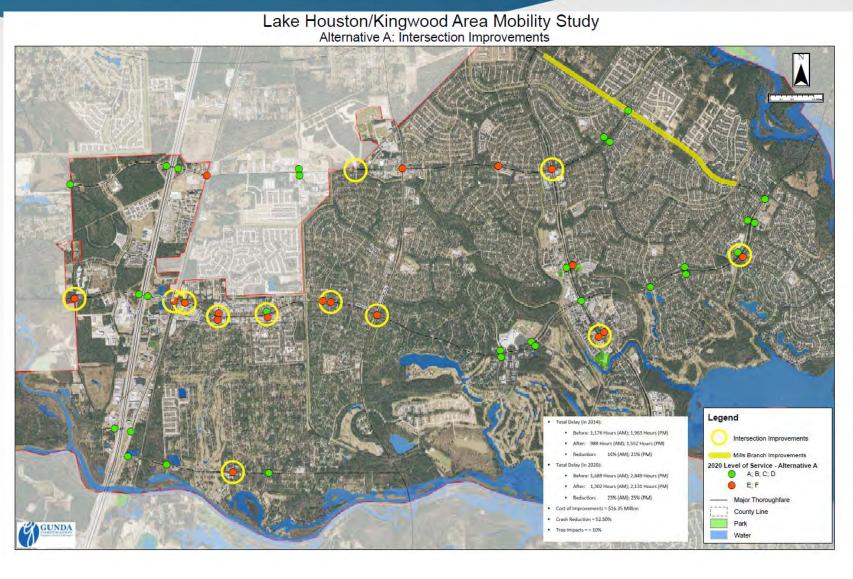


Alternative A: Intersection Improvements

- EBR at Kingwood Drive & Trailwood Village Drive
- NBR & SBR at Kingwood Drive & Chestnut Ridge Road
- EBR, WBR, EBL, WBL at Kingwood Drive & Woodland Hills Drive
- EBR at Kingwood Drive & Willow Terrace
- EBL at Hamblen Road & Forest Cove Drive
- Widening of Mills Branch Road from North of Kingwood Drive to Royal Brook Residential (New Development), north of Northpark Drive



Alternative A: Intersection Improvements





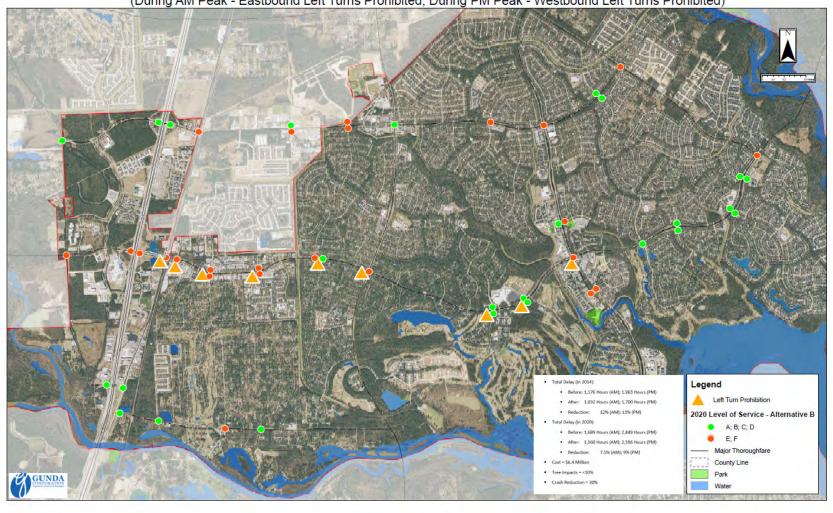
Alternative A : Intersection Improvements

- Total Delay (in 2014):
 - Before: 1,176 Hours (AM); 1,963 Hours (PM)
 - After: 988 Hours (AM); 1,552 Hours (PM)
 - Reduction: 16% (AM); 21% (PM)
- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,302 Hours (AM); 2,131 Hours (PM)
 - Reduction: 23% (AM); 25% (PM)
- Cost of Improvements = \$16.35 Million
- Crash Reduction = 52.50%
- Tree Impacts = < 10%
- Number of Intersections at LOS E/F with Improvements (2014) = 10
- Number of Intersections at LOS E/F with Improvements (2020) = 16



Alternative B : Left Turn Prohibition in Off-Peak

Lake Houston/Kingwood Area Mobility Study
Alternative B: Left Turn Prohibition
(During AM Peak - Eastbound Left Turns Prohibited, During PM Peak - Westbound Left Turns Prohibited)





Alternative B : Left Turn Prohibition in Off-Peak

- On Kingwood Drive Only
- At 12 locations on Kingwood Drive, additional left-turns and acceleration lanes are required for restricted left-turns to turn around.
- Total Delay (in 2014):
 - Before: 1,176 Hours (AM); 1,963 Hours (PM)
 - After: 1,032 Hours (AM); 1,700 Hours (PM)
 - Reduction: 12% (AM); 13% (PM)

 Number of Intersections at LOS E/F with Improvements (2014) = 10

Number of Intersections at LOS E/F with

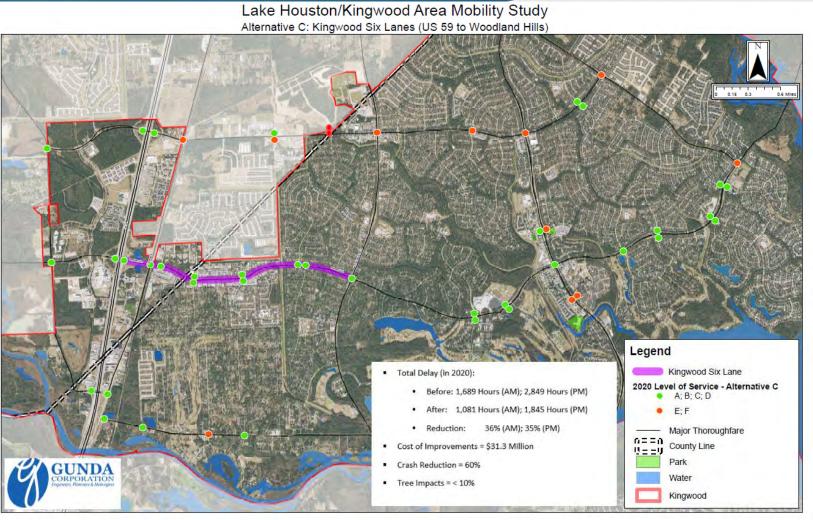
- Total Delay (in 2020):
 - 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,560 Hours (AM); 2,596 Hours (PM)
 - Reduction: 7.5% (AM); 9% (PM)
- Cost = \$6.4 Million

Before:

- Tree Impacts = <10%
- Crash Reduction = 30%



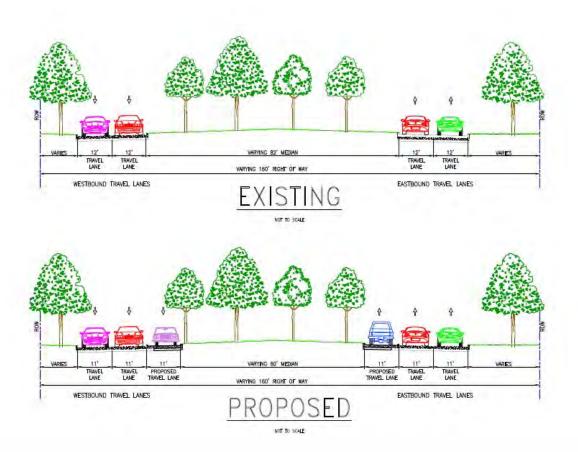
Alternative C





Alternative C

KINGWOOD DRIVE US 59 TO WOODLAND HILLS DRIVE



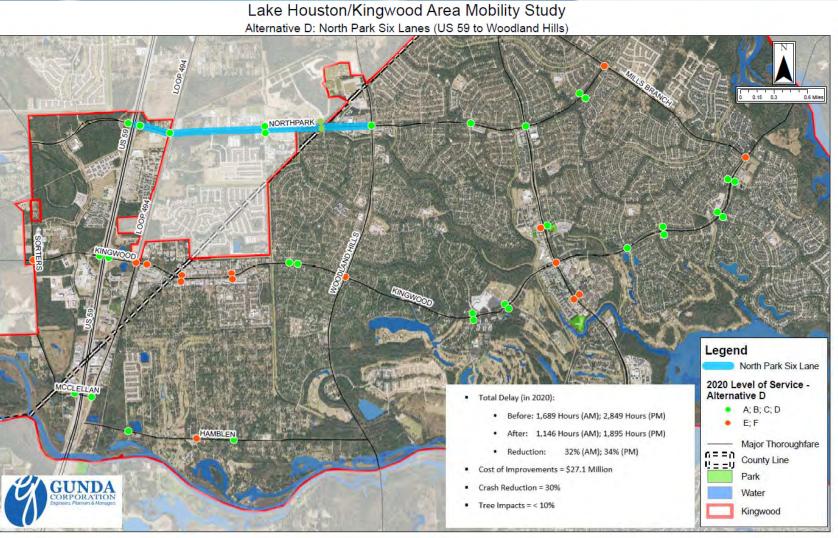


Alternative C

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,081 Hours (AM); 1,845 Hours (PM)
 - Reduction: 36% (AM); 35% (PM)
- Cost of Improvements = \$31.3 Million
- Crash Reduction = 60%
- Tree Impacts = < 10%
- Number of Intersections at LOS E/F = 11
- Pros: Reduces Travel Time, Congestion, Already funded
- Cons: Some tree impacts



Alternative D

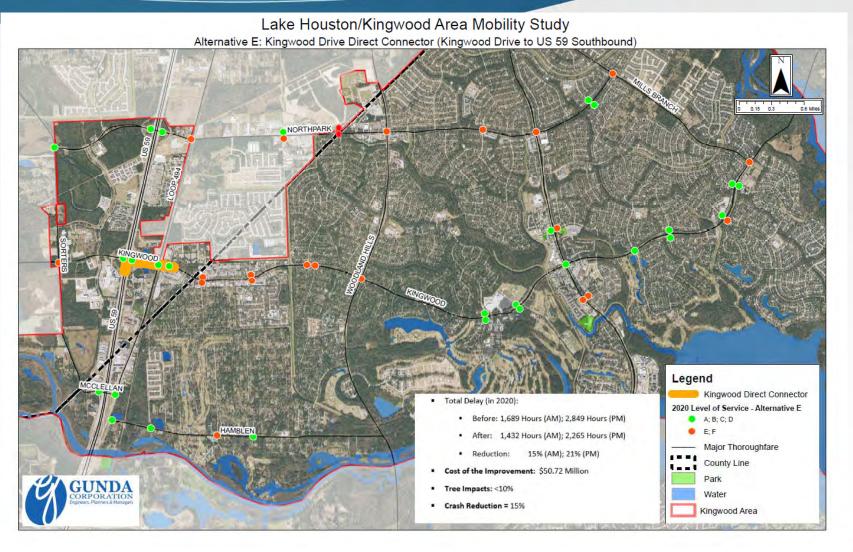




Alternative D

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,146 Hours (AM); 1,895 Hours (PM)
 - Reduction: 32% (AM); 34% (PM)
- Cost of Improvements = \$27.1 Million
- Crash Reduction = 30%
- Tree Impacts = < 10%
- Number of Intersections at LOS E/F with Improvements (2020) = 12
- Pros: Reduces Travel Time and Congestion
- Cons: Some tree impacts, multiple agency coordination, Montgomery County Roadway, Funding not readily available

Alternative E



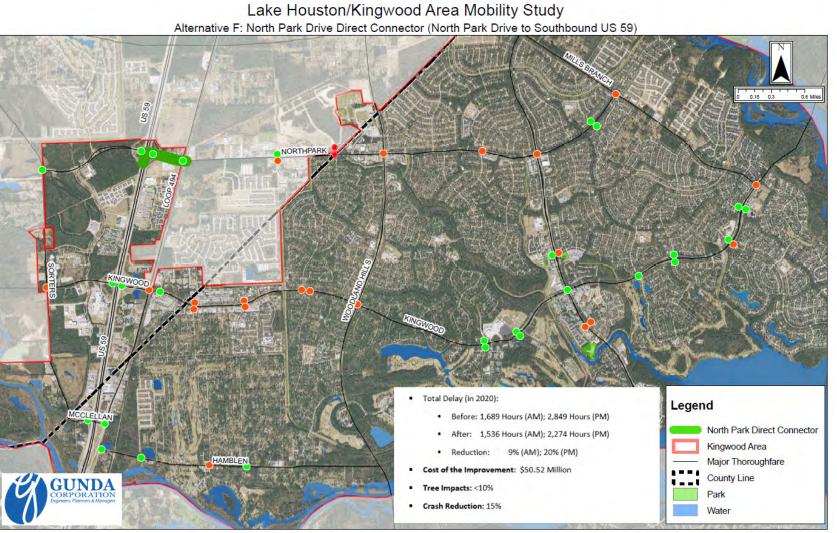


Alternative E

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,432 Hours (AM); 2,265 Hours (PM)
 - Reduction: 15% (AM); 21% (PM)
- Cost of the Improvement: \$50.72 Million
- Tree Impacts: <10%
- Crash Reduction = 15%
- Number of Intersections at LOS E/F with Improvements (2020) = 17
- Pros: Reduces Travel Time, Congestion, by eliminating turning movements at LP 494 and US 59
- Cons: Some tree impacts, High Cost, Aesthetics, Environmental Clearances



Alternative F



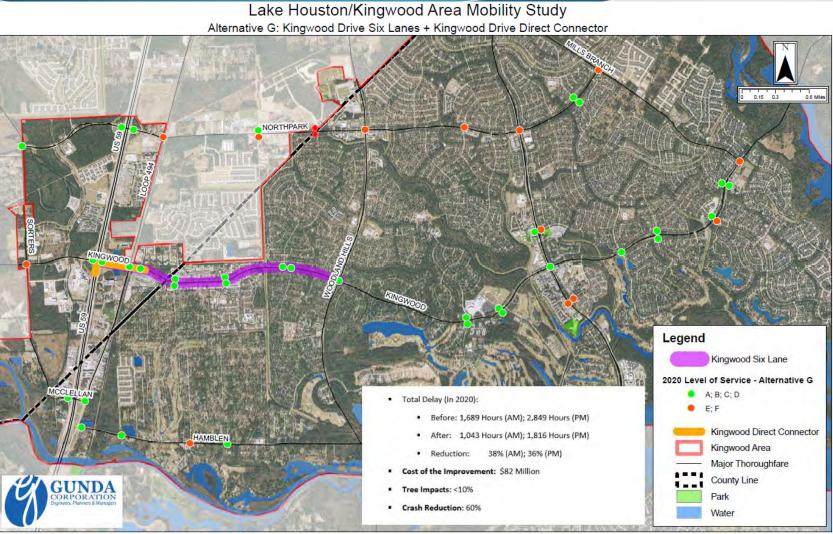


Alternative F

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,536 Hours (AM); 2,274 Hours (PM)
 - Reduction: 9% (AM); 20% (PM)
- Cost of the Improvement: \$50.52 Million
- Tree Impacts: <10%
- Crash Reduction: 15%
- Number of Intersections at LOS E/F with Improvements (2020) = 17
- Pros: Reduces Travel Time, Congestion at Loop 494 near rail road
- Cons: Some tree impacts, High Cost, Aesthetics, Environmental Clearances



Alternative G



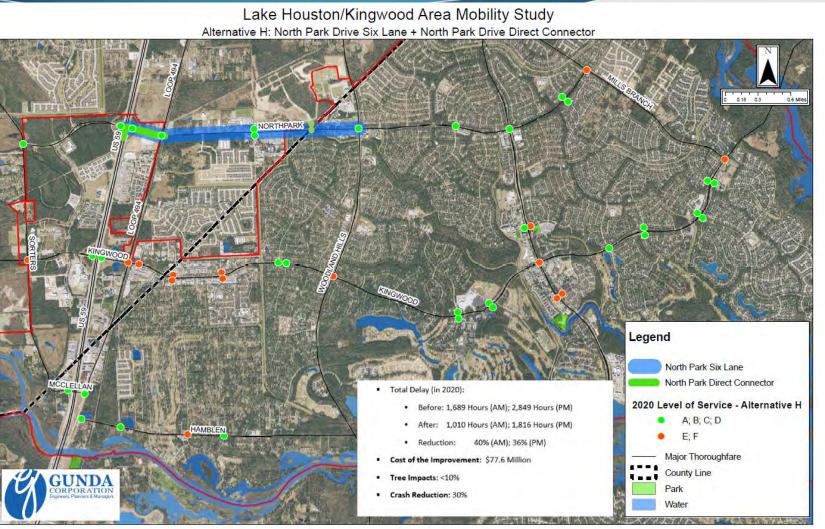


Alternative G

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,043 Hours (AM); 1,816 Hours (PM)
 - Reduction: 38% (AM); 36% (PM)
- Cost of the Improvement: \$82 Million
- Tree Impacts: <10%
- Crash Reduction: 60%
- Number of Intersections at LOS E/F with Improvements (2020) = 12
- Pros: Reduces Travel Time and Congestion, Already funded for widening
- Cons: Some tree impacts, High Cost, Aesthetics, TxDOT coordination, Environmental Clearances for over pass



Alternative H



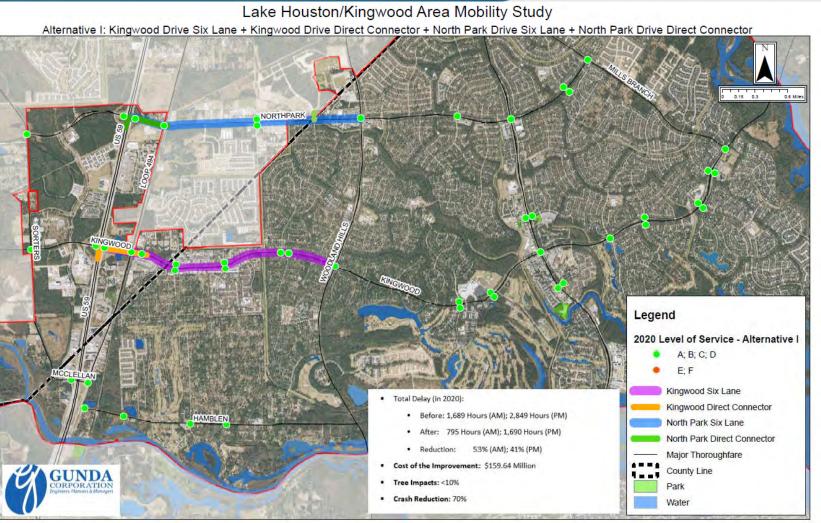


Alternative H

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,010 Hours (AM); 1,816 Hours (PM)
 - Reduction: 40% (AM); 36% (PM)
- Cost of the Improvement: \$77.6 Million
- Tree Impacts: <10%
- Crash Reduction: 30%
- Number of Intersections at LOS E/F with Improvements (2020) = 12
- Pros: Reduces Travel Time, Congestion
- Cons: Some tree impacts, High Cost, Aesthetics, TxDOT coordination, Environmental Clearances for over pass, multiple agency coordination, Montgomery County Road



Alternative I





Alternative I

Total Delay (in 2020):

Before: 1,689 Hours (AM); 2,849 Hours (PM)

After: 795 Hours (AM); 1,690 Hours (PM)

• Reduction: 53% (AM); 41% (PM)

■ Cost of the Improvement: \$159.64 Million

■ Tree Impacts: <10%

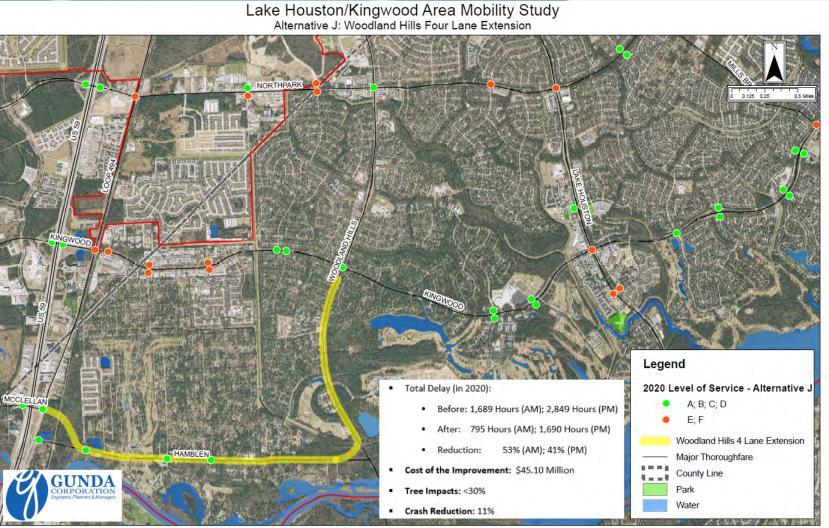
Crash Reduction: 70%

■ Number of Intersections at LOS E/F with Improvements (2020) = 0

Pros: Reduces Travel Time, Congestion, Already funded for widening

 Cons: Some tree impacts, High Cost, Aesthetics, TxDOT coordination, Environmental Clearances for over pass, Cost Prohibitive, Multiple Agency Coordination

Alternative J





Alternative J

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 795 Hours (AM); 1,690 Hours (PM)
 - Reduction: 53% (AM); 41% (PM)
- Cost of the Improvement: \$45.10 Million
- Tree Impacts: <30%
- Crash Reduction: 11%
- Number of Intersections at LOS E/F with Improvements (2020) = 16
- Pros: Reduces Travel Time and Congestion on Kingwood Drive,
 Provides a reliable alternative route for the area
- Cons: Significant tree impacts, not funded, ROW, environmental clearances



Alternative K

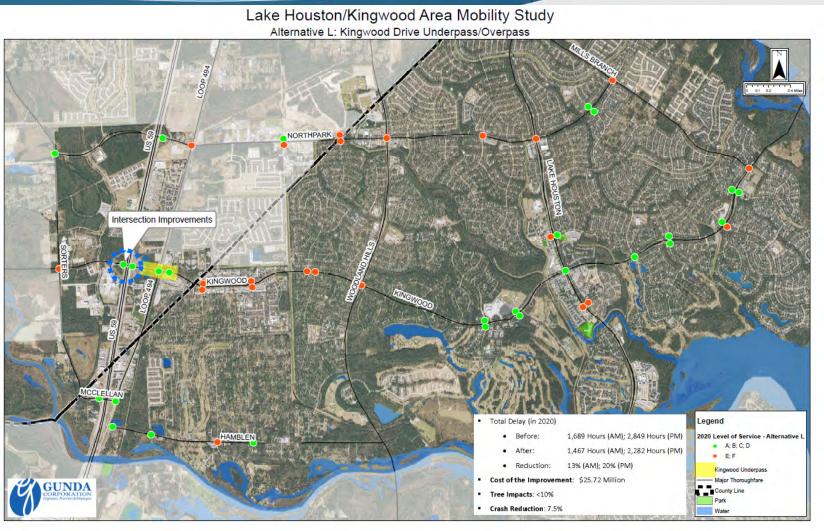
Lake Houston/Kingwood Area Mobility Study Alternative K: Kingwood Six Lanes (US 59 to Woodland Hills) + North Park Six Lanes (US 59 to Woodland Hills) Legend 2020 Level of Service - Alternative K A; B; C; D Total Delay (in 2020): Before: 1,689 Hours (AM); 2,849 Hours (PM) North Park Six Lane • After: 951 Hours (AM); 1,759 Hours (PM) Kingwood Six Lane 44% (AM); 38% (PM) · Reduction: Major Thoroughfare · Cost of the Improvement: \$58.4 Million County Line Tree Impacts: <10% Park Crash Reduction: 70% Water



Alternative K

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 951 Hours (AM); 1,759 Hours (PM)
 - Reduction: 44% (AM); 38% (PM)
- Cost of the Improvement: \$58.4 Million
- Tree Impacts: <10%
- Crash Reduction: 70%
- Number of Intersections at LOS E/F with Improvements (2020) = 9
- Pros: Reduces Travel Time and Congestion, Partly funded
- Cons: More tree impacts, multiple agency coordination, need to identify funding for Northpark Road

Alternative L

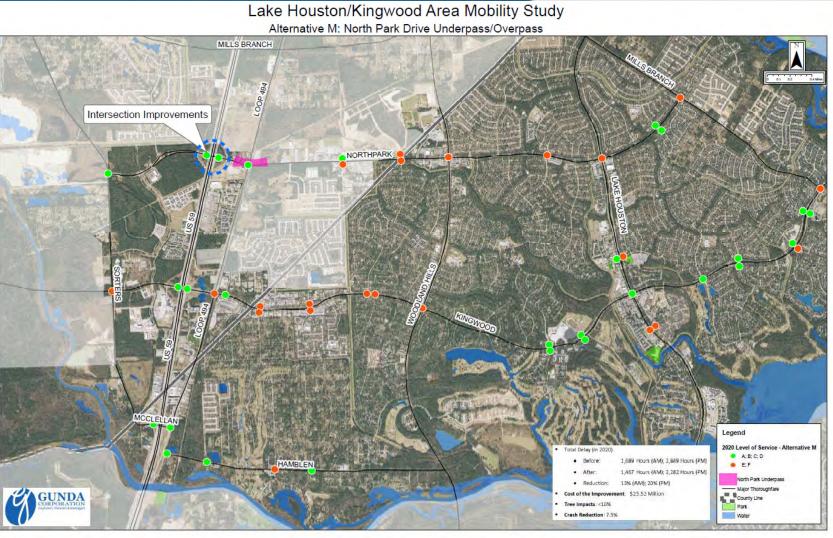




Alternative L

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,467 Hours (AM); 2,282 Hours (PM)
 - Reduction: 13% (AM); 20% (PM)
- Cost of the Improvement: \$25.72 Million
- Tree Impacts: <10%
- Crash Reduction: 7.5%
- Number of Intersections at LOS E/F with Improvements (2020) = 12
- Pros: Reduces Travel Time and congestion at Loop 494 near Railroad
- Cons: Some tree impacts, all trees between US 59 & Loop 494,
 TXDOT and UP Rail Road Coordination, Impact to Retail Driveway at Royal Forest Drive

Alternative M



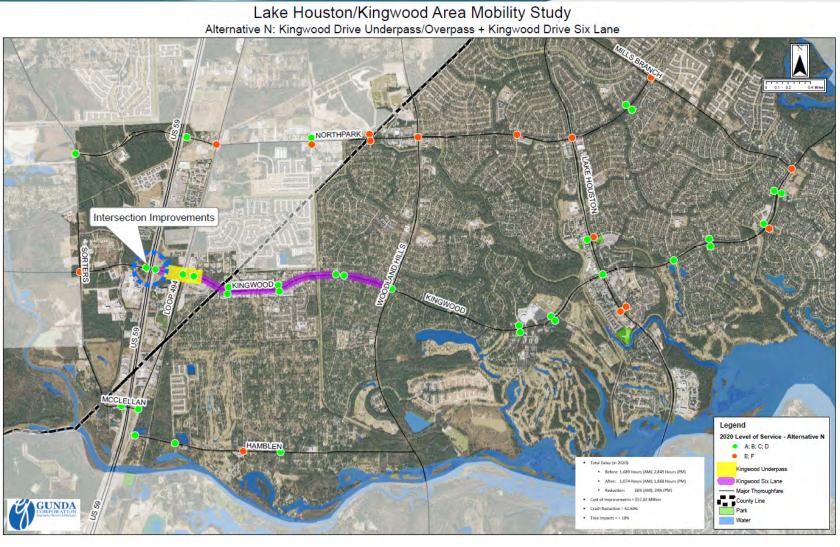


Alternative M

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,554 Hours (AM); 2,288 Hours (PM)
 - Reduction: 8% (AM); 20% (PM)
- Cost of the Improvement: \$25.52 Million
- Tree Impacts: <10%
- Crash Reduction: 7.5%
- Number of Intersections at LOS E/F with Improvements (2020) = 16
- Pros: Reduces Travel Time and congestion at Loop 494 near Railroad
- Cons: Some tree impacts, all trees between US 59 & Loop 494, TXDOT and UP Rail Road Coordination.



Alternative N





Alternative N

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,074 Hours (AM); 1,868 Hours (PM)
 - Reduction: 36% (AM); 34% (PM)
- Cost of the Improvement: \$57.02 Million
- Tree Impacts: <10%
- Crash Reduction: 7.5%
- Number of Intersections at LOS E/F with Improvements (2020) = 12
- Pros: Reduces Travel Time and congestion at Loop 494 near Railroad
- Cons: Some tree impacts, all trees between US 59 & Loop 494, TXDOT and UP Rail Road Coordination.



Alternative O

Lake Houston/Kingwood Area Mobility Study Alternative O: North Park Drive Underpass/Overpass + Six Lane North Park Drive Intersection Improvements Legend 2020 Level of Service - Alternative O A; B; C; D Before: 1,689 Hours (AM); 2,849 Hours (PM) After: 1,019 Hours (AM): 1,806 Hours (PM) Reduction: 40% (AM); 37% (PM)



Alternative O

- Total Delay (in 2020):
 - Before: 1,689 Hours (AM); 2,849 Hours (PM)
 - After: 1,019 Hours (AM); 1,806 Hours (PM)
 - Reduction: 40% (AM); 36% (PM)
- Cost of the Improvement: \$52.62 Million
- Tree Impacts: <10%
- Crash Reduction: 30%
- Number of Intersections at LOS E/F with Improvements (2020) = 12
- Pros: Reduces Travel Time and congestion at Loop 494 near Railroad
- Cons: Some tree impacts, all trees between US 59 & Loop 494, TXDOT and UP Rail Road Coordination.



Scoring Criteria

- Scoring MOE's
- Scoring Goals
- Weighting Factors
 - Community Input Weighting Factor to be Determined

	Community Input	Improve Mobility (Short- Term & Long-Term)	Maintain Same or Better Quality of Life	Identify Funding Sources	Safety	Transit	Facilities	Total Score
Improvements/Goals		Plan for Future				Public Transportation		
		Quick Fixes				Trolley System		
Category Code	А	В	С	D	E	F	G	A to G
Weighting Factor	TBD	30	25	5	30	5	5	100



Next Steps

- Receive public input on the options presented
- Last date to receive Ranking cards is: November 4, 2014
- Next Steering Committee Meeting Date: November 18, 2014 @ 6:00 PM
- Agency Coordination
- Report Preparation



Questions?





KINGWOOD AREA MOBILITY STUDY - ALTERNATIVES RANKING

OPTION	IMPROVEMENT ALTERNATIVE	RANK	COMMENTS
A	Intersection Improvements Only		
В	Left-Turn Prohibition in the Off-Peak Direction		
С	6-Laning of Kingwood Drive		
D	6-Laning of Northpark Drive		
E	Direct Connector from Kingwood Drive to US 59 SB		
F	Direct Connector from Northpark Drive to US 59 SB		
G	6-Laning of Kingwood Drive & Direct Connector from Kingwood Drive to US 59 SB		
Н	6-Laning of Northpark Drive & Direct Connector from Northpark Drive to US 59 SB		
I	6-Lane Kingwood Drive, 6-Lane Northpark Drive, Direct Connector from Kingwood Drive, and Direct Connector from Northpark Drive		
J	Woodland Hills Drive Extension to Hamblen Road and Widening Hamblen Road		
К	6-Laning of Kingwood Drive and 6-Laning of Northpark Drive		
L	Underpass on Kingwood Drive at Loop 494		
М	Underpass on Northpark Drive at Loop 494		
N	6-Laning of Kingwood Drive & Underpass at Loop 494		
0	6-Laning of Northpark Drive & Underpass at Loop 494		
-	No-Build		

Sign-In Sheet Kingwood Mobility Stakeholder Meeting #2

Tuesday, October 14, 2014

	Name		Name
1	Corena Lipstreuer	45	Richard Benzinger Jr.
2	Stan Sarman	46	Liz Jacob
3	Glen Ragsdale	47	Fred Flickinger
4	Beryn Ragsdale	48	Mary Romere
5	Ramona Reid	49	Tom Austin
6	Alice Rekeweg	50	Robin Taylor
7	Glen Rekeweg	51	Loretta Ilges
8	Mike Scruggs	52	Wayne Theis
9	Jack Taylor	53	Jon Taylor
10	Cynthia Landstad	54	Kyle Cavallo
11	Neil & Stacy Nethery	55	Kay Powledge
12	Carol Nagel	56	David Woerner
13	Chris Ward	57	Kathy Reedy
14	Neil Desmond	58	Peggy R.
15	Fred Bullough	59	Walt Hesser
16	Pat Maher	60	Ken Lipstreuer
17	Kevin McManis	61	Gene Graham
18	Nancy Graver	62	Mary Sheppard
19	Cryan Kimbro	63	Glenda McClendon
20	Les Broyles	64	Erv & Judie Ravemeyer
21	Fred McCarty	65	Colette Foley
22	Shirley Sellers	66	Tyler Francois
23	Larry Gross	67	Al Ramsey
24	Ray Rhodes	68	Bill King
25	Heather Blake	69	Dale Quinn
26	Howard Rose	70	Walt Carty
27	Renato Davia	71	Rick Ankrum
28	Ha; Opperman	72	Butch & Margie Standerfor
29	Christine Taylor	73	Ervin Baumeyer
	Sybil Magaritis	74	Colleen Hirschex
31	LT Duke Athens	75	David Hirschey
32	Tom Trigg	76	Marian Burrows
	Rosie Browrey		Suzanne Larson
34	J. Ravecha		Robin Taylor
	Dan Monks	79	Brenda Parker
36	Gwendolyn Conduleo	80	Hoan Hulett
37	Dee Price	81	Kenny Tidwell
38	Bryan Kirk	82	Jim Simmons
	Alice Braine		Bob & Linda Robertson
	Lynn Foster		Maryanne Fabor
	Jennifer Curley		Kenny & Judie Tidwell
	Helen Micheline	86	Linda Robertson
43	Rich Bowman		

44 John Stuart