DRAFT MEETING NOTES
KINGWOOD AREA MOBILITY STUDY
STEERING COMMITTEE MEETING # 3

Date: May 27, 2014
Time: 6:00 PM
Location: Kingwood Community Center, Kingwood, TX

STEERING COMMITTEE:
Stan Sarman, Chair  Charlie Dromgoole, Member
Carol Sutton, Member  Philip Ivy, Member

CONFERENCE CALL ON MAY 30, 2014
Stan Sarman, Chair  Mark Micheletti, Member  Corinn Price, Member
Jeff Nielsen, Member  Brian Manning, Member

OBSERVERS:
Council Member Dave Martin  Allie Smart, Chief of Staff  Residents
Cynthia Calvert, Tribune  Nate Brown, The Observer

GUNDA TEAM:
Ramesh Gunda  Raghu Veturi  Michael Blasdel
Allie Norman  Tara Rabinek

MEETING MINUTES:
1. Steering Committee Chair Stan Sarman opened the meeting with an overview
   the project and thanked all the steering committee members for working on this
   project.
2. Ramesh gave a brief recap of previous steering committee meetings and
   stakeholder meeting # 1.
3. The GUNDA team presented data and public input received through various
   sources such as Survey, E-mail, Kingwood.com, and Handwritten Notes.
4. The GUNDA team then presented the Improvement Tool Box based on the input
   obtained from residents.
5. There was a hands-on exercise to obtain input from Steering Committee Members on what they would like to see analyzed from Improvement Tool Box.
6. Online survey to be open until June 30, 2014.
7. A discussion about presenting improvements in a visual format so everybody can see the proposed improvements. Potentially a fly-through of the corridor with and without improvements.

HANDS-ON EXERCISE:

The following items were discussed during the exercise session.

1. Alternate Parallel Road extending Russell Palmer Road to the south to Hamblen Road. There could be some potential flooding issues.
2. Green Oak Drive is planned/scheduled for future expansion.
3. Grade Separation of North Park Drive @ US 59 with overpass on the Railroad
   a. Investigate possible wetlands area in ditch between 494 & railroad crossing.
4. Right turn lanes are needed at the following intersections:
   a. Kingwood Drive & Woodland Hills Drive – Eastbound Right Turn Lane
   b. Northpark Drive & West Lake Houston Parkway – Eastbound Right Turn Lane
   c. Kingwood Drive & Trailwood Village Drive – Eastbound Right Turn Lane
   d. Northpark Drive EB & Hidden Pines Drive – Eastbound Right Turn Lane
5. The intersections of Kingwood Drive & LP 494 and Northpark Drive & LP 494 have some major issues.
6. In general, review the need for extending existing turn lanes to provide more storage capacity for turning vehicles.
7. Review Sorters Road for potential widening to four lanes, lot of trucks using this roadway currently.
8. Look at median crossovers on Kingwood Drive west of Woodland Hills Drive and remove unnecessary median openings.
9. Signal synchronization was discussed several times. Especially the intersections of Kingwood Drive & Woodland Grove and Kingwood Drive & Trailwood Village Drive.
10. Repaving of some of the area along Kingwood and Northpark are required.
11. Look into benefits of adding right-turn lanes for village entrances.
12. Review sight-distance issues & possible need for cutbacks.

COMMENTS BY CITIZENS:

At the end of the presentation and hands-on exercise, the citizens were allowed to make a comment. The comments are as follows:

1. Another stakeholder meeting with more steering committee meetings are required to obtain more public input.
2. Consider road signs/message boards for upcoming meetings.
3. Review the existing width of Kingwood Drive and look at the possible outside expansion.
4. Please share kingwoodmobilit@gundacorp.com e-mails with everybody.
5. Review the radiuses at driveways for commercial establishments.
6. How many people are there in the Steering Committee? Chairman Stan Sarman responded.
7. Citizens asked about the schedule and process to which Steering Committee members, Council Member Martin and GUNDA team responded.

NEXTSTEPS:

- Next Steering Committee Meeting # 4 on September 23, 2014 at 6:00 PM
- Upcoming Stakeholder Meeting # 2 on October 14, 2014 at 5:30 pm

NOTES FROM CONFERENCE CALL ON MAY 30, 2014

A follow-up conference call was organized for Steering Committee members unable to attend the meeting on May 27, 2014. The following items were discussed during the conference call:

1. GUNDA team presented the findings, input and feedback received from citizens as of May 26, 2014.
2. Does the survey include a question about sacrificing trees for safety? GUNDA team responded by saying not directly, but citizens have opportunity to express their safety concern in another question.
3. Look for opportunities to not remove tree when not needed.

4. Review alternative access connections, such as connection from Kingwood Drive to Huffman on the east and connection from Woodland Hills to FM 1960.

5. Widen Hamblen Road to four land and connect Woodland Hills to Hamblen Road. This also requires some improvements to the intersection of US 59 & Hamblen Road.

6. Kingwood Drive & Kingwood Place (west of US 59) is not cycling properly. People have to wait 3 to 4 cycles during 4:30 pm to 6:30 pm to cross the intersection of US 59 & kingwood Drive. This intersection is expected to have a lot more traffic as there are new developments coming in.

7. Another conference call with Steering Committee members is needed before September 23, 2014 to discuss the improvement options. This meeting will prepare members to address citizens concerns during the meeting.

8. Steering Committee members will provide GUNDA team with their mark-ups on improvement tool box and options to analyze.

Attachments
Sign-In Sheet
Agenda
Copy of Presentation
Draft Agenda

1. Introductions

2. Additional Data Collected since last meeting

3. Findings from Stakeholder Meeting # 1

4. Website

5. Comments/Survey Discussion
   a. Kingwood Mobility E-mail
   b. Kingwood.com Emails
   c. Survey Monkey Results
   d. Comments received at Stakeholder Meeting # 1
   e. Most Common Comments

6. Additional Data Requests
   a. Turning Movement Counts
   b. Speed
   c. Sight Distance
   d. Travel Times

7. Areas of Concern

8. Improvement Tool Box

9. Hands-On Exercise

10. Next Steps
    a. Alternatives Evaluation
    b. Next Steering Committee Meeting Date: September 15, 2014 (Tentative)
    c. Next Stakeholder Meeting Date: October 13, 2014 (Tentative)

11. Questions
# Kingwood Area Mobility Plan
## Steering Committee Meeting #3

**GUNDA Project No. 14004-01**
**Date:** May 27, 2014
**Location:** Kingwood Community Center

## SIGN-IN SHEET

<table>
<thead>
<tr>
<th>NAME</th>
<th>FIRM/AGENCY</th>
<th>E-MAIL</th>
<th>TELEPHONE</th>
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<tr>
<td>Amin Plan</td>
<td>Tribune Newspapers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fred Boyce</td>
<td>Resident</td>
<td><a href="mailto:fprmb@kingwoodcancer.org">fprmb@kingwoodcancer.org</a></td>
<td>281-358-5769</td>
</tr>
<tr>
<td>Mike Grant</td>
<td>Observer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James Alexander</td>
<td>Resident</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tom DeBose</td>
<td>Resident</td>
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<td>281-395-2959</td>
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<tr>
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<td>281-361-2016</td>
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<td>Michael Day</td>
<td>KJWV</td>
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<td></td>
</tr>
<tr>
<td>Jerry &quot;Duke&quot; Atkins</td>
<td>HPD</td>
<td><a href="mailto:jayd@att.net">jayd@att.net</a></td>
<td></td>
</tr>
<tr>
<td>Sara Foley</td>
<td>Resident</td>
<td>sjfoley@cebridgenet</td>
<td>281-360-4044</td>
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Introductions/Remarks

- Steering Committee
- Project/Consultant Team

GOALS & MOE'S

**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
Recap

PROJECT KICKOFF
COLLECTION & REVIEW OF DATA
EVALUATION OF EXISTING CONDITIONS
STEARING COMMITTEE MEETING #2
STAKEHOLDER MEETING # 1
STEARING COMMITTEE MEETING #3
ANALYSIS & IDENTIFY SOLUTIONS
STEARING COMMITTEE MEETING #4
STAKEHOLDER MEETING # 2
AGENCY COORDINATION
STEARING COMMITTEE MEETING #5
STEARING COMMITTEE MEETING #1

May 27, 2014

Additional Data

- Signal Reliability
  - Requested from COH
- Union Pacific Railroad
  - 20 Trains per day (Average)
  - No defined schedule
  - Length of the train varies
  - 60 mph for freight trains, 70 mph for passenger trains

Findings from Stakeholder Meeting #1

- 75 Citizen Comments received so far to Kingwood Mobility
- 766 responded to Survey
- Handwritten notes provided during May 13, 2014 meeting
- 231 responded to kingwood.com Survey
Website

http://gundacorp.com/kingwood-mobility

Comments/Survey Discussion

- Kingwood Mobility E-mail
- Results from Survey Monkey
- Most Common Comments
- Priority @ Kingwood Emails

kingwoodmobility@gundacorp.com

- 75 e-mails received as of May 26, 2014.
- Input varied from concerns, recommendations, and other ideas.
Survey

- 766 responded as of May 26, 2014
- Survey is still active
- 94% responded are local residents

Question 1: Which category best describes your interest?

Question 2

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

- Kingwood Drive @ LP 494
- Kingwood Drive @ Randall’s Entrance
- Kingwood Drive, west of Woodland Hills
- Northpark Drive @ Hidden Pines/Woodridge Parkway
- Northpark Drive @ West Lake Houston Parkway
- Northpark Drive @ Mills Branch Road
- Kingwood Drive @ Mills Branch Road
- Woodland Hills @ Tree Lane
- Kingwood @ Railroad Tracks
- Northpark @ Railroad Tracks

Question 3

What transportation-related issues in the Kingwood area concern you the most?

- Congestion
- Travel Time
- Signal Outage
- Rail Road
- Safety
- Limited Access to Community
Question 4
Other than for recreation, do you or your employees/students walk to work/school in Kingwood?

Question 5
Would you walk if it was more convenient?

Question 6
What areas of Kingwood do you walk along or across? What is your destination?
598 answered; 168 skipped
- None
- Only on Greenbelts
- West Lake Houston Parkway
- Are you kidding? Are you from Texas?
Question 7
Other than for recreation, do you or your employees/students bicycle to work/school in Kingwood?

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Question 8
Would you bicycle in Kingwood if it was more convenient?

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<td>55.9%</td>
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<td>44.1%</td>
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Question 9
Where do you start and end your bike ride?
481 answered; 285 skipped
- None
- Greenbelts
- Local neighborhoods
- House
**Question 10**

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

702 answered; 64 skipped

- Traffic signal synchronization
- Overpass/Underpass at Rail Road Gates
- Do Not Cut Trees
- Widen Kingwood and Northpark
- Traffic Signal at Northpark & Woodridge/Hidden Pines
- No Widening

**Question 11**

Are there any traffic-related safety concerns in Kingwood? Do you have any suggestions for these issues?

512 answered; 254 skipped

- Longer turn lanes
- Coordinate with Union Pacific to adjust Railroad timings
- Traffic Signals at:
  - Northpark @ Hidden Pines/Woodridge
  - Northpark @ Mills Branch
  - Kingwood @ Mills Branch
- Safety Issues
- Sight Distance Issues
- Woodland Hills @ Tree Lane

**Question 12**

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

754 answered; 12 skipped

- I am willing to sacrifice a single tree, even if it means travel times continue to increase.
- I am willing to sacrifice one tree as long as an equal number of trees are replanted.
- I am willing to sacrifice 50% of trees along major thoroughfares for travel time savings of 20 minutes every day.
- I am willing to sacrifice 75% of trees along major thoroughfares for travel time savings of 20 minutes every day.
- I am willing to sacrifice some trees, along major thoroughfares for travel time savings, but an equal number of trees are replanted.
- I do not want to sacrifice a single tree, even if it means travel times continue to increase.
**Question 13**

Do you have any other general comments on the information presented at the Stakeholder Meeting?

323 answered; 443 skipped

- Mobility Issues are common sense; removing trees is not the solution
- Study Mills Branch Road, several safety issues
- Study Hamblen for potential cut-through traffic issues
- Do not build bridge to Huffman
- Please don’t let a few people with loud comments keep us from improving our streets
- Impossible to adequately review, assimilate and come to conclusions at that time.

**Question 14**

Did we cover all areas of mobility concerns? If not, please give us the areas you would like to see studied.

220 answered; 546 skipped

- Study Kingwood High School and Kingwood Park High School- Benefit from HPD Assistance
- Widen Kingwood Drive to 3 lanes from Woodland Hills Dr. to US 59. We need more alternative modes of transportation other than autos.
- North Park and Woodridge a real problem as the community expands without a traffic light
- Forest Cove- people drive through to avoid traffic.

**Kingwood.com Survey**

- Focused on one question with an option to comment:
- Do you support adding additional lanes to Kingwood Drive?
  - 231 responses as of May 26, 2014:

  ![Survey Chart]

  - 108 Yes
  - 110 No
  - 13 Undecided

  Source: Kingwood.com Survey
Additional Data Needs

- Turning Movement Counts @ 5 Intersections
- Travel Time
- Speed Data
- Sight Distance
- Signal warrant Study for Northpark @ Mills Branch
- Review Woodland Hills @ Tree Lane
- Review Lake Houston Parkway @ Magnolia Cove

Areas of Concerns

- Congestion
- LP 494 intersections with Kingwood and Northpark
- Northpark & Woodridge Parkway/Hidden Pines
- Rail Road Operations
- Mills Branch
- Forest Cove Cut-through

Improvement Tool Box

Access Management
- Driveways
- Median Closures
- Traffic Signals
- Traffic Signal Timing
- Turn Lanes

Traffic Signals
- When Warranted

Traffic Signal Timing
- Coordination/Synchronization
**Improvement Tool Box**

**Intelligent Transportation Systems**
- CCTV
- Dynamic Message Signs
- Change Lane Message Signs
- Reversible Lanes
- Rail Monitoring

**Innovative Intersection Improvements**
- Roundabouts
- Diverging Diamond Interchanges
- Michigan Left-Turns
- Super Streets

**Transit opportunities**
- Bus
- Trolley

**Travel Demand Management**
- Bus
- Carpool
- Vanpool
- Congestion Pricing
Improvement Tool Box

Capacity Improvements
- Widening
- Direct Connectors/Grade Separations

Improvement Tool Box

Alternative Corridor Improvements
- More Connectivity Bridges
- Alternative access

Hands-On Exercise

Mark-ups on Maps and Exhibits
Next Steps

- Analysis and Alternatives Evaluation
- Next Steering Committee Meeting Date:
  - September 23, 2014 @ 6:00 PM
- Next Stakeholder Meeting Date:
  - October 14, 2014 @ 5:30 PM

Questions?