Technology for the 21st Century Planner

Focus North Texas
March 26, 2015
Texas Emerging Planning Leaders

• enhance communication between emerging and experienced planning professionals

• provide for professional advancement in the field by identifying employment opportunities and through targeted training and education

• support the advancement of the planning profession through leadership opportunities
Session Panel

- **Drew Brawner, AICP**
  Planner, Kimley-Horn and Associates

- **Steven Duong**
  Transportation Planner, Texoma Area Paratransit System

- **Doug McDonald, AICP**
  Senior Planner, City of Plano

- **Vince Tam**
  Architectural Designer, JHP Architecture

**Moderator: Kendall Wendling, AICP**
Transportation Planner, NCTCOG
Focus One

Emerging public engagement and visualization techniques
Keypad Polling: Input

How important is it for your community to encourage redevelopment of existing commercial areas?

1. Not important at all
2. Not very important
3. Neutral
4. Important
5. Very important
Keypad Polling: Input
Keypad Polling: Analysis

Results By Demographic

Demographic(s): Male (Gender)

1.) Turning Technologies is located in Youngstown, Ohio. (True / False)

<table>
<thead>
<tr>
<th>Responses</th>
<th>Percent</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>True (c)</td>
<td>66.67%</td>
<td>2</td>
</tr>
<tr>
<td>False</td>
<td>33.33%</td>
<td>1</td>
</tr>
<tr>
<td>Totals</td>
<td>100%</td>
<td>3</td>
</tr>
</tbody>
</table>

67% True
33% False
Q: What’s your preferred method to engage with the public?

A. Public Meeting
B. Small Stakeholder Meetings
C. Social Media
D. Print Media
E. Not at All
Plano Tomorrow Public Outreach Campaign Tools

Your participation and ideas regarding the City of Plano Comprehensive Plan Survey is important, so that our planners understand the major issues and priorities for the next phase of the Plano Tomorrow project.

We value your time — to reward the survey takers, there will be a random drawing of all those who complete the survey to win one of three $100 VISA gift cards. To be eligible, enter your email address at the end of the survey.

Take the Case for PLANO TOMORROW
A GENERAL PLAN

HOST PACKET

Sea parte de la planificación del futuro de Plano tomando la encuesta “Plano Tomorrow.”

plano.gov/PlanoTomorrowSurvey
Summarizing Data

### PLANO TOMORROW

**STEP 1**

**Survey the Public to Identify Issues**

*July 2013 - January 2014*

- **Take the Case - 2012 through 2013**
  - Citizen led "Take the Case" meetings were held over a 2-year period. A total of 36 meetings with 250 participants collected input from neighborhood groups, community groups, schools, and PTAs.

- **Online and Paper Surveys - July to November 2013**
  - The City developed and made available a survey for residents to provide input on the future of the city. The survey included multiple choice options, ranking, visuals, and the ability to provide suggestions and comments. Nearly 1,400 participated in the online survey!

- **Virtual Town Hall Meeting - November 21, 2013**
  - A "Virtual Town Hall" meeting was held on November 21, 2013. This provided residents an opportunity to participate in the planning process in one of 3 ways: attend in person at City Hall, call in to voice comments and concerns, or participate online. A total of 275 citizens participated.

- **Plano Balloon Festival and Plano International Festival - September and October 2013**
  - Booths were set up at both the Plano Balloon Festival and the Plano International Festival. Over 200 residents visited the booths to provide their input on the city's future.

- **Libraries and Recreation Centers - September 2013 to January 2014**
  - Plano residents were given the opportunity to provide further comments and suggestions on "Idea Boards" set up at ALL Plano libraries and recreation centers. Hundreds of people participated and provided the city with over 320 specific comments on varying aspects of Plano's future.
Interactive, Web-Based Plans

Ohio Kentucky Indiana Regional COG Strategic Plan (howdowegrow.org)

Los Angeles Zoning Code (recode.la)

Kenton County Comprehensive Plan (direction2030.org)

City of Plano Comprehensive Plan (planotomorrow.org)
Interactive, Web-Based Plans

Transit-Oriented Development (TOD) - DRAFT

Transit-Oriented Development Policy

Plano will proactively encourage and incentivize development within walking distance of existing and future rail stations or bus transit centers to create an integrated mix of medium to high density uses including residential, employment, retail, and civic spaces.

<table>
<thead>
<tr>
<th>Transit-Oriented Development Action Statements</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop Criteria for Review of Transit-Oriented Developments and update as necessary.</td>
<td>PENDING</td>
</tr>
<tr>
<td>Prioritize and prepare station area plans to guide development patterns within 1/2 mile of identified transit stations.</td>
<td>PENDING</td>
</tr>
<tr>
<td>Rezone property within 1/2 mile of transit stations to encourage urban design and increase development density.</td>
<td>PENDING</td>
</tr>
<tr>
<td>Establish parking maximums in transit-served areas and identified Compact Complete Centers.</td>
<td>PENDING</td>
</tr>
<tr>
<td>Develop plans for the K Avenue/DART light rail and the 14th Street/Cotton Belt commuter rail corridors to address redevelopment of retail and multifamily sites and encourage dense development around transit stations.</td>
<td>PENDING</td>
</tr>
</tbody>
</table>

Give Your Feedback

How important is the Transit-Oriented Development policy to you?
- Very Important
- Important
- Somewhat Important
- Not Important

Submit

Plano’s Partners

Transit-Oriented Development Partners
- North Central Texas Council of Governments
- Dallas Area Rapid Transit
- Transit Oriented Development
Is Video Format the Future?
Infographics

The Current Status and Ridership of TAPS FRISCO DEMAND RESPONSE SERVICE

JULY 2015 ➞ APRIL 2014

- 246
- 425
- 590
- 613
- 615
- 477
- 700
- 691
- 702
- 842

342% INCREASED RIDERSHIP

Breakdown of Personal Mobility
- 94% AMBULATORY
- 6% WHEELCHAIR

Breakdown of Disability
- 77% NOT DISABLED
- 23% DISABLED

Gender Breakdown
- 72.2% Female
- 27.8% Male

Average Age of Frisco Riders
- Fourty Seven

NCTCOG
BICYCLE PEDESTRIAN PROGRAM
PEDESTRIAN AND BIKE SAFETY NUMBERS

Cycling & Biking Fatalities

10th in Fort Worth Metro Area for cyclists, pedestrians

344 Pedestrian Fatalities Statewide

13% of cyclists killed were children

16% of all traffic fatalities in Texas

70% of cyclist fatalities are in urbanized areas

48 Cyclist Deaths in Texas

1.6% of Cyclist Deaths in Texas

Dallas

344

(344) PEDESTRIAN FATALITIES STATEWIDE
Infographic Web Tools

Piktochart
make information beautiful

infogr.am

https://infogr.am/app/#!/create
Online Engagement and Feedback

Baptist Health System - San Antonio Commuter Survey

Introduction

This survey is distributed by Baptist Health System in cooperation with a Texas Department of Transportation travel options study.

The purpose of this survey is to:
1. Determine how our employees travel to and from work;
2. Determine how many of our employees would be interested in car or vanpools, public transportation and/or the use of fuel-efficient vehicles; and
3. Determine if other travel options would be desirable.
Question Explorer
View interesting stats and related data about each of your questions.

**Question**
3. How many miles do you travel one-way from your home to work?

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**Results**
- **20 miles**: 35 responses
- **30 miles**: 22 responses
- **15 miles**: 15 responses
- **20 miles**: 14 responses
- **10 miles**: 12 responses
- **5 miles**: 10 responses
- **less than 1 hour**: 9 responses
- **1 hour**: 7 responses
- **1 hour 15 minutes**: 4 responses
- **1 hour 30 minutes**: 1 response

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*Note: The images show three graphs representing data from different sources (Baptist Health System - San Antonio, Port San Antonio - Commuter Survey, University of Texas Health Science Center) with metrics labeled as 'Complete', 'Partial', and 'Disqualified'.
4. On average, how much time does it take to go from home to work?

![Pie chart showing the distribution of travel times to work.]

- 5 minutes: 1.5%
- 10 minutes: 9.2%
- 15 minutes: 13%
- 20 minutes: 19.8%
- 30 minutes: 23.1%
- 40 minutes: 16.9%
- 50 minutes: 7.1%
- All Others: 9.5%

<table>
<thead>
<tr>
<th>Travel Time</th>
<th>Percentage</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 minutes</td>
<td>1.5%</td>
<td>5</td>
</tr>
<tr>
<td>10 minutes</td>
<td>9.2%</td>
<td>31</td>
</tr>
<tr>
<td>15 minutes</td>
<td>13.0%</td>
<td>44</td>
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<tr>
<td>20 minutes</td>
<td>19.8%</td>
<td>67</td>
</tr>
<tr>
<td>30 minutes</td>
<td>23.1%</td>
<td>78</td>
</tr>
<tr>
<td>40 minutes</td>
<td>16.9%</td>
<td>57</td>
</tr>
<tr>
<td>50 minutes</td>
<td>7.1%</td>
<td>24</td>
</tr>
<tr>
<td>60 minutes</td>
<td>6.5%</td>
<td>22</td>
</tr>
<tr>
<td>70 minutes</td>
<td>0.6%</td>
<td>2</td>
</tr>
<tr>
<td>80 minutes</td>
<td>0.6%</td>
<td>2</td>
</tr>
<tr>
<td>90 minutes</td>
<td>1.2%</td>
<td>4</td>
</tr>
</tbody>
</table>
Traditional Engagement and Feedback
Online Engagement and Feedback

Thank you for helping shape the first City of Edmond Bicycle Master Plan. We need your comments!

We are looking for comments on four items:
1) Destinations you ride (or might ride) to
2) Critical Intersections that need special consideration
3) Locations where bike parking is needed
4) Additional comments relating to bicycling in Edmond

How to comment:
**Please Comment for Destinations**
*Critical Intersection* (Please Comment in Text Box)
*Bike Parking* (Please Comment in Text Box)
*Other Comments* (Please Comment in Text Box)
*Destinations (Please Comment for Destinations)*
Online Engagement and Feedback

How often do you ride a bike?

- Never
- Once a month
- Once a week
- 2+ times a week

Respond at PollEv.com/marvin
Text MARVIN to 22333 once to join, then A, B, C, or D
Focus Two

Emerging efficiency tools for planners
Analysis Tools: Mapbox Studio

- **Your brand, your design, your map**
  Full design control over everything, from colors to data to visibility of features.

- **Custom fonts**
  Customize map labels with a huge typeface library and TrueType font support, you can use Mapbox custom fonts.

- **Textures and illustrations**
  Alpha channel support allows for adding textures and illustrations with a few lines of code.

- **Custom markers**
  Add markers to a map in minutes. Customize icons for markers and typography for labels.
• Interactive Maps
• Publish to Web + Mobile App
• Near limitless flexibility
• Works great in workflow with GIS
Analysis Tools: ArcGIS Online
Analysis Tools: ArcGIS Online

City of Mansfield
On-Street Bicycle Plan
Bicycle Facilities

Shared Lanes:
- Example Projects:
  - Cardinal Dr
  - Broad St (Downtown)
  - Neighborhood Trails

Bike Lanes:
- Example Projects:
  - Cannon Dr
  - Pleasant Ridge Rd
  - Colburne Rd

Shoulder Bike Lanes:
- Example Projects:
  - SH 155
  - FM 117
  - Nolen/Patterson Rd

Buffered Bike Lanes:
- Example Projects:
  - R Main St (BUS 287)

Bicycle Signage:
- Example Projects:
  - Broad St
  - Methodist Rd
  - Dublin Ln

Sidepaths:
- Example Projects:
  - Park Ln
  - Heritage Park
  - R Main St (Bexar County High School)
  - R Main St (Rosedale)

Road Diet Option:
- Before: 4-Lane Undivided
- After: 3-Lane Undivided with Bike Lanes

Legend:
- Park
- Existing Trail
- Trails Plan
- Proposed Bicycle Facilities:
  - Shared the Road Signage
  - Shared Lanes
  - Bike Lanes
  - Shoulder Bike Lanes
  - Buffered Bike Lanes
  - Sidewalk
- Dashed Lines indicate a future Road Project

Mansfield On-Street Bicycle Master Plan

MANSFIELD
TEXAS

MAY 2014

Kimley-Horn and Associates, Inc.
Analysis Tools: ArcGIS Online

- Historical United States Map
- United States Physical Landscape Map
- Adults That Exercise Regularly
- Alcoholic Beverage Spending in the U.S.
- Average Household Income in the U.S.
- Average Household Size in the U.S.
- Car Dealership Market Opportunity
- Child Care Spending in the United States
- Clothing/Accessory Store Market
- Coffee Maker Ownership in the U.S.
Analysis Tools: SketchUp
Project Production Tools

Transportation Planning

Multi-modal Planning Documents

- Travel Model Presentations
- Dl Manager's Meeting
- Data Purchase Costs
- Testing Outlook connection with shared documents

Announcements

There are currently no active announcements. To add a new announcement, click "Add new announcement" below.

Sharepoint Concourse
Q: Which of the following engagement and analysis methods do you plan to use in the next six months?

1. Keypad Polling
2. Text Polling
3. MindMixer
4. Infographics
5. Videos
6. Map-based feedback
7. SketchUp
8. MapBox Studio
9. ArcGIS Online
10. Google Drive
Contact Information

**Drew Brawner**: Text Polling, Map-Based Feedback, ArcGIS Online
drew.brawner@kimley-horn.com

**Steven Duong**: Infographics, MapBox Studio
stevenduong@tapsbus.com

**Doug McDonald**: Telephone Town Hall, Constant Contact, Web-Based Plans
dougm@plano.gov

**Vince Tam**: SketchUp, City Engine
vtam@jhparch.com

**Kendall Wendling**: Keypad Polling, Texas Emerging Planning Leaders
kwendling@nctcog.org
Links

Keypad Polling: https://www.turningtechnologies.com/
Text Polling: http://www.polleverywhere.com/
MindMixer: http://mindmixer.com/
Wordle: http://www.wordle.net/
Infographics: https://infogr.am/app/#/create
MapBox Studio: https://www.mapbox.com/mapbox-studio/#win64
ArcGIS Online: https://www.arcgis.com/home/
SketchUp: http://www.sketchup.com/
ESRI City Engine: http://www.esri.com/software/cityengine