Agenda Item 1: Introductions

Hydraulic Planning Advisory Panel members

Technical Team members
Agenda item 2: Public Interaction and Feedback

Live Streaming

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>June 8, 2017</td>
<td>12</td>
</tr>
<tr>
<td>May 25, 2017</td>
<td>8</td>
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Agenda item 2: Public Interaction and Feedback (continued)

For the period June 6- June 21, 2017

- Email questioning how to access the livestream of the meeting today.
- Email stating that the individual is not able to attend the meeting today but would like to know how to contact members of the panel to provide input.
Agenda item 2: Public Interaction and Feedback (continued)

For the period June 7- June 21, 2017

• None

Website input
Agenda item 3: Response to Panel Feedback

- Other options that preserve turning movements at 29/Hydraulic intersection - Agenda item 4

- Difference between VDOT annual traffic counts and project traffic counts - Agenda item 4

- Example of small study areas where turns have been eliminated and the results - Agenda item 4

- Date for next charette - July 13th, 2:00 - 5:00 pm, Location - Research Council
Agenda item 4: Transportation Update

- But, before we begin, let's discuss an alternative to Concept 3A.

Option provides left turn movements in depressed lanes

Eliminate signal at Route 29 and Hydraulic Road for through and right turns

Potential for free-flow right turns

Potential for shared thru/LEFTS
Agenda item 4: Transportation Update

Current Travel Patterns

- Trips internal to study area
- Longer distance trips that begin / end in study area
- Through trips that traverse study area
Refresher about zone system used to report travel activity for study
Charlottesville Area MPO Travel Demand Model Zone Structure
Simplified Zone system Used to Report Travel Activity in Study Area
Source For Existing Travel Pattern Data
• Precise location information
• Passive collection from connected vehicles and mobile apps
• Personal and commercial vehicles
• Data aggregated to Zones and gates
In 2016, the Commonwealth of Virginia entered into a contractual agreement with StreetLight™ to allow access to this ‘Big Data’ as needed
Existing Conditions Results

Data reflective of:

• **January – April 2017**
• **Average weekday Tuesday – Thursday**
  • *Saturday data also collected*
• **Personal Vehicles only**
  • *Commercial vehicle data also collected*
Origin-Destination Matrix (Trip Table)

Results expressed as a percentage of total

X to X travel only reflects trips that traverse study area

<table>
<thead>
<tr>
<th>Travel Destinations</th>
<th>I1</th>
<th>I2</th>
<th>I3</th>
<th>X1</th>
<th>X2</th>
<th>X3</th>
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</table>
**Origin-Destination Matrix (Trip Table)**

**Five Highest Travel Flows**

*X to X travel only reflects trips that traverse study area*

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### Origin-Destination Matrix (Trip Table)

**Aggregated & Simplified Results**

**X to X travel only reflects trips that traverse study area**

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</table>

**Travel Origins**

**Travel destinations**

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[Route 29 Solutions]
Key Take-Aways From O&D Results

- StreetLight data is reflective of existing travel and is not a forecast.
- Forecasted (future) travel patterns can be presented in a similar way using different tools.
- Existing and future O&D patterns depend on type and intensity of land use as well as available transportation network.
- The existing data reveals information such as:
  - Of total travel within the study area, internal to internal travel is relatively small.
  - External to External travel through the study area is 37% of total.
  - The three largest observed travel patterns among sub-areas include:
    - X1 <-> X4
    - I2 <-> X4
    - I1 <-> X4
- O&D data such as this can be used to help estimate travel behavior as we test future land use scenarios.
Transportation Next Steps

• Work with Land Use team to arrive at assumptions about future land use type and intensity in study area

• Finish building model (VISSIM) for local transportation network to be used to test multimodal operations under various scenarios

• Test scenarios and make adjustments to land use and transportation network as a result of findings and trouble spots

• Work with Advisory Panel to arrive at preferred combination of land use and transportation network
Agenda item 5: Phase 1 Completed and Upcoming Tasks

To be complete by:

- **PROJECT KICK-OFF MEETING**  
  MAR 9 ✓
- **INITIAL SITE RECONNAISSANCE**  
  MAR 23 ✓
- **SITE RECONNAISSANCE**  
  MAR 31 ✓
- **DATA COLLECTION, RESEARCH AND MAP REVIEW**  
  APR 7 ✓
- **PROJECT BASE MAP DEVELOPMENT**  
  APR 7 ✓
- **REVIEW OF RELEVANT STUDIES**  
  APR 7 ✓
- **SITE INVENTORY AND ANALYSIS SUMMARY**  
  APR 7 ✓
- **BEGIN LAND USE PLAN DEVELOPMENT**  
  APR 7 ✓
- **CLIENT CHARETTE**  
  APR 11 ✓
Agenda item 5: Phase 1 Completed and Upcoming Tasks (continued)

To be complete by:

- **PUBLIC MEETING # 1**
  - APR 26 ✓

- **ALTERNATIVE LAND USE SCENARIOS**
  - MAY 15 ✓

- **INTERNAL TRANSPORTATION INPUTS**
  - MAY 15 ✓

- **EXTERNAL TRANSPORTATION INPUTS**
  - MAY 15 ✓

- **CONCEPT SCREENING**
  - JUL 14

- **EXTERNAL TRANSPORTATION INPUTS**
  - JUL 14

- **CORE AREA PLAN**
  - AUG 21

- **PUBLIC MEETING # 2**
  - AUG 23

- **DRAFT SMALL AREA PLAN**
  - SEP 15
Agenda item 5: Phase 1 Completed and Upcoming Tasks (continued)

To be complete by:

- FINAL SMALL AREA PLAN: SEP 29
- PROJECT ABSTRACT: SEP 29
- COUNTY PLANNING COMMISSION: SEP (date tbd)
- CITY PLANNING COMMISSION: SEP (date tbd)
Agenda item 5: Phase 1 Study Progress and Work Underway

Work completed since June 8 meeting
- Additional Land Use Concept Alternatives - in progress
- Concept Screening - in progress
- Initial External Transportation Inputs
- Final Vision Statement

Work currently underway
- Additional Land Use Concept Alternatives
- Concept Screening
- Transportation inputs
Agenda item 5: Phase 1 Study Progress and Work Underway (continued)

Conceptual Framework Plan Updates:

Framework Plans focus on block structure, circulation and key organizing principles (such as public space). Land Use is a secondary supportive element.

- **Revised Framework Concept 1**: Route 29 Over Hydraulic (No Plaza Space)
- Framework Concept 2: Route 29 Under – Upper Level Public Space
- Framework Concept 3: Zan Rd. Land Bridge (29/Hydraulic at grade)
- Framework Concept 3a: Zan Rd. Land Bridge + Angus Land Bridge (29/Hydraulic at grade)
- Framework Concept 4: Route 29 Over Hydraulic (Isolated Left Turns)
Agenda item 5: Phase 1 Study Progress and Work Underway (continued)
Agenda item 5: Phase 1 Study Progress and Work Underway (continued)
Agenda item 5: Phase 1 Study Progress and Work Underway (continued)
Agenda item 5: Phase 1 Study Progress and Work Underway (continued)

Route 29 Solutions

Route 29 at Hydraulic: Upper Level Plaza
Agenda item 5: Phase 1 Study Progress and Work Underway (continued)
Rt 29 Solutions

Agenda item 5: Phase 1 Study Progress and Work Underway (continued)
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Agenda item 5: Phase 1 Study Progress and Work Underway (continued)
Rt 29 Solutions
Agenda item 5: Phase 1 Study Progress and Work Underway (continued)

**Concept 4 Drainage Basins**

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**ILLUSTRATIVE AND FOR CONCEPTUAL PURPOSES ONLY: INTENDED TO ILLUSTRATE BROAD CONCEPTS AND ALTERNATIVE APPROACHES TO REPRESENT POTENTIAL FUTURE DEVELOPMENT SCENARIOS.**
Agenda item 5: Phase 1 Study Progress and Work Underway (continued)
Agenda item 5: Phase 1 Study Progress and Work Underway (continued)
Agenda item 5: Vision Statement: How are we doing?

The Hydraulic Small Area Plan promotes a strong sense of place; a vibrant, dynamic economy; and an equitable and environmentally sustainable community connected by an efficient, multimodal transportation network that accommodates local and regional traffic needs.
Agenda item 6: Neighborhood Outreach Plan Update

Hold small, informal neighborhood meetings with interested neighborhoods.

Meetings will be focused on listening to members of the community to shape desires into overall Hydraulic land-use and transportation plans.

Update since last meeting:

- Meeting held with stakeholder groups ✓
- Four meetings scheduled so far
  - Greenbrier - Location - Greenbrier Elementary, May 30th at 6:00 pm ✓
  - Senior Center - Location - Senior Center, June 6 at noon ✓
  - Places 29 Hydraulic CAC - Location - Greer Elementary, June 19th at 5:30 pm ✓
  - Meadows Neighborhood - Location - Holiday Inn, June 20th at 6:30 pm ✓
  - International Rescue Committee - Location - Church of Incarnation, Date and Time TBD?
Agenda item 6: Neighborhood Outreach Plan (continued)

Charlottesville PC Informational Presentation  FEB 14 ✓
HPAP 1  MAR  9 ✓
HPAP 2  MAR 23 ✓
HPAP 3 - First Charette  APR 11 ✓
Meadows Neighborhood Meeting  APR 12 ✓
Public Information Meeting  APR 26 ✓
HPAP 4  APR 27 ✓
HPAP 5  MAY 11 ✓
Housing/Neighborhood/Business Leader Meeting  MAY 15 ✓
Hold neighborhood meetings  MAY 22 - June 22 ✓
Agenda item 6: Neighborhood Outreach Plan (continued)

HPAP 6

MAY 25 ✓

Greenbrier Neighborhood Meeting

MAY 30 ✓

Senior Center Neighborhood Meeting

JUN 6 ✓

HPAP 7

JUN 8 ✓

Places 29 Hydraulic CAC

JUN 19 ✓

Meadows Neighborhood Meeting

JUN 20 ✓

HPAP 8

JUN 22 ✓

Second Charette

JUL 13

HPAP 9

AUG 10

Public Information Meeting # 2

AUG 23
Agenda item 6: Neighborhood Outreach Plan (continued)

Joint Planning Commission Work Session  
HPAP 10  
Joint Planning Commission Draft Review  
HPAP 11  
Draft Small Area Plan  
HPAP 12
Agenda item 7: Review of Upcoming Phase 1 Tasks

To be complete by:

SECOND CHARETTE  JUL 13
CONCEPT SCREENING  JUL 14
EXTERNAL TRANSPORTATION INPUTS  JUL 14
Rt 29 Solutions

Agenda Item 8: Panel open discussion and request for future agenda items

Agenda Item 9: New business and wrap up

Agenda item 10: Adjourn