North Lake Shore Drive Phase I Study
Northern Terminus Traffic Study
October 30, 2019
Community Meeting
Meeting Agenda

• Introductions
• NLSD Phase I Study & Coordination
• Northern Terminus Traffic Study (NTTS) Overview and Meeting #1 Recap
• Alternatives Development and Evaluation
• Next Steps
• Finalist Alternatives Workshop
NLSD Phase I Study

• **Study area**
  - Grand Avenue to Hollywood Avenue
  - 11 neighborhoods, 6 wards
  - 24 bridges and tunnels
  - 12 cross-road junctions

• **Over 80 years old and in need of reconstruction**

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Project Study Group (PSG)

- Ensure compliance with design & environmental policies.
- Promote partnership with stakeholders.
- Work to achieve general project understanding.
- Make final project recommendations.
- Ultimate decisions are made by IDOT.
Corridor Planning Committee (CPC)
- Wards (2, 42, 43, 44, 46, 48)
- Historic Stakeholders & Oversight Agencies
- Federal Partners & Oversight Agencies
- Civic & Regional Stakeholders

Task Forces
- Environmental
- Transportation
- Park User
- Business & Institution
- 3 Residential (South, Central & North)
Meeting Goals & Objectives

• Discuss existing conditions within the NTTS area and feedback received
• Provide update on study progress
• Review NTTS alternatives under consideration
• Receive feedback on NTTS alternatives

Feedback will be used to:
  – Enhance the project team’s understanding of the NTTS area
  – Refine the alternatives under consideration
Northern Terminus Traffic Study Overview
Planning Level ADT Thresholds
2-Lanes  <19,000 vpd*
4-Lanes  19,000 – 39,000 vpd
6-Lanes  39,000-57,000 vpd
*vpd=vehicles per day
Existing Traffic Conditions

Existing Levels of Service at Key Intersections

- Analyzed **eight** intersections
- **Four** intersections are above capacity ("bottleneck intersections")
NTTS Context

• 74,000 vehicles per day pass through Hollywood/Sheridan/NLSD intersection

• Majority of regional traffic is destined to/from north on Broadway/Sheridan Road or to/from northwest on Ridge Avenue

• Regional travel demand causes safety, mobility & accessibility issues in neighborhood
NTTS Public Involvement

Stakeholder Meeting #1
April 2017, 22 Attendees

Community Meeting #1
June 2017, 63 Attendees

Topics
• Presentation and Needs Assessment Workshop
  – NLSD Phase I Study
  – Previous Plans/Initiatives
  – Goals and Objectives
  – Needs and Issues Identification
NTTS Goals and Objectives

Goals and objectives developed through project analysis and community feedback

• Improve **movement of vehicles** to/from NLSD while preserving **neighborhood quality of life**

• Improve **pedestrian and bicycle infrastructure** to enhance safety and mobility (Complete Streets)

• Reduce **potential conflicts** between different traffic modes and improve **safety** for all users
NTTS Goals and Objectives

Goals and objectives developed through project analysis and community feedback

- Achieve **improved distribution of traffic** better tailored to roadway context (Sheridan and Broadway)
- Eliminate **manual traffic control** at intersection of Hollywood, Sheridan and NLSD
NTTS Alternatives Development and Evaluation
Ongoing Projects - Baseline for Alternatives

- Viaduct Improvements
- Signal Interconnect
- Spot Complete Street Improvements
Alternatives Development

• The project team used *community feedback* and *technical analysis* to develop *four (4) alternatives* that best met project study goals

• Alternatives combine unique changes to:
  – Roadway configuration
  – Traffic distribution
  – Signalization
  – Pedestrian and bicycle infrastructure
Common Features

Complete Streets improvements on Broadway are compatible with all alternatives.

Bryn Mawr Avenue (west of Broadway) – Improvements ranging from curb extension to a cul-de-sac.

Broadway – Install center turn lanes.

Sheridan Road –
- Install center turn lanes
- Include pull out space for bus and delivery truck operations.
Alternative 1

**Sheridan/Hollywood Intersection** – Automate manual traffic control operation during weekday morning peak period through use of in-pavement directional lighting, reversible lanes and overhead lane use controls on east leg.

**Overhead Lane Use Controls for Reversible lanes:**

- Southbound LED Lane Use Control Signals
- Normal Operations Message
- Northbound LED Lane Use Control Signals
- Normal Operations Message

**NLSD** – Install automated lane control systems at northern terminus.

**Northern Terminus Traffic Study Area**

**CTA Red Line and Stations**
**Alternative 2**

**Hollywood Avenue** – Convert WB through/right lane at Broadway to right turn only lane and add a second right turn lane

**Sheridan/Hollywood Intersection** –
- Prohibit SB to EB left turns onto NLSD from Sheridan and redirect to Bryn Mawr
- Provide single WB to NB right turn lane on WB NLSD to NB Sheridan

**Broadway** – Provide 2 NB and 2 SB lanes and install center median

**Sheridan/Bryn Mawr** – Provide dual SB to EB left turn lanes on Sheridan

**Sheridan Road** – Reduce number of lanes to one SB and one NB lane with a center turn lane between Hollywood and Broadway
Alternative 3

**Hollywood Avenue** – Widen Hollywood between Sheridan and Kenmore (3 EB and 2 WB lanes)

**Broadway** – Provide 1 NB and 2 SB lanes and install center median

**Sheridan Road** – Narrow Sheridan between Hollywood and Broadway to provide 2 NB and 1 SB lane
**Hollywood Avenue** – Create two-level roadway facility between Ridge and NLSD
  - Upper-level: three lanes (1 EB and 2 WB lanes separated by tunnel opening)
  - Lower-level: four lanes (3 EB and 1 WB)

**Broadway** – Provide 2 NB and 2 SB lanes and install center median

**Hollywood/Broadway & Hollywood/Ridge** – Provide entrance and exit ramps to lower-level express lanes

**Sheridan Road** – Narrow Sheridan to three lanes between Hollywood and Broadway (1 NB, center turn lane, 1 SB)
NTTS Finalist Alternatives Workshop
Please join the table at the back of the room that matches the colored sticker on your nametag

- Each table will have the same information
- Facilitators will walk through key aspects of the alternatives
- Facilitators will record comments
- Fill out a comment form, or mail it by November 15, 2019
- Discussion will conclude at 9:00 p.m.
Next Steps

- Review your feedback and refine alternatives
- Complete alternatives review and present preferred alternative at final Community Meeting in winter 2019/2020