

# **Meeting Agenda**

- 1. Welcome/Introductions (3 mins)
- 2. Project Overview and Re-Cap (5 min)
- 3. Purpose and Need (6 min)
- 4. Alternatives Evaluation (6 min)
- 5. Break (10 min)
- 6. Alternatives Descriptions and Evaluation (80 min)
- 7. Wrap-Up/Next Steps (10 min)

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### **Project Team Introductions**



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Steve Schilke, P.E. Project Manager

Anna Kutryn, P.E. Project Engineer

### SUBCONSULTANTS

Dave Palia, Blue Daring Veronica Cruz, Blue Daring



### Michael Baker

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Wendy L. Vachet, AICP Environmental & Public Involvement Lead

Isaac Yun, P.E. Project Engineer

Jim Peyton, P.G. Environmental Support







### CAG Meeting #1 – Jan. 24, 2017



The at-grade crossings of the Belt Railway Company of Chicago (BRC) tracks at 63<sup>rd</sup> and 65<sup>th</sup> Streets near IL 43 (Harlem Avenue) have limited the mobility and access to the surrounding communities.

#### TOP ISSUES IDENTIFIED

- Infrastructure (Pedestrian, ADA)
- Displacement / Relocations
- Traffic Near CPS Schools
- Safety / Emergency Vehicle Blockage
- Construction Timeline / Limited
  Business Access
- Belt Railway Company of Chicago Safety
- Traffic / Congestion
- Regional Impacts
- Economic / Freight
- Drainage / Flooding
- Turning Lanes

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## CAG Meeting #2 – Mar. 22, 2017

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### **Suggested Improvements:**

- Extend or add double right turn lane
  Add right turn lane on 71st on Harlem Ave. (northbound) to turn onto 65th Street.
- Crosswalk improvements to Harlem Ave and 63<sup>rd</sup> and 65<sup>th</sup> Streets.
- Increase speed bumps on Nottingham Ave. between 63rd and 65th Streets.
- Consider adding traffic light on 65<sup>th</sup> Street near new Dore Elementary.
- Overpass or underpass at 63<sup>rd</sup> and 65th Streets.

- Street to south on Harlem Ave.
- Better in/out coordination with Toyota Park.
  - Improve traffic signal timing and visibility for ramp - more signage needed.
- Widen Harlem Ave.
- Resurface Nottingham Ave.





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This statement is a summary of a 30+page document, which will be available for your review on the project website.





911 Critical Crossing - When trains are stopped or anticipated to obstruct the crossing, the train crew must notify the BRC immediately. City Ordinance #9-28-030 defines a reporting process that is to be followed for obstructions at 911 critical crossings. When moving or stopped trains obstruct the crossing for more than five minutes, the Chicago Transportation Coordination Office (CTCO) must immediately notify the 911 emergency telephone system, and alert them when the crossing is clear.





LOS Criteria by Intersection Type							
Average Delay Pe	r Vehicle (seconds)						
Letter Grade	Signalized	Unsignalized					
Α	≤10	≤10					
В	>10-20	>10-15					
С	>20-35	>15-25					
D	>35-55	>25-35					
E	>55-80	>35-50					
F	>80	>50					
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LOS of Project Study Area Intersections							
Intersection	<b>2016 (existing)</b> No Train Train Present		<b>2040 (no build)</b> No Train Train Present				
63 <sup>rd</sup> St @ Harlem Ave Jughandle	В	D	В	D			
Harlem Ave @ 63 <sup>rd</sup> St	С	Е	С	Е			
Harlem Ave @ 65 <sup>th</sup> St	В	С	В	С			
	REATE			1'			

The level of service results obtained from our simulations are shown in this table. The values represent the overall intersection delay. Both the no-train and the with train scenarios use exactly the same variables, except for the BRC train blockage.

Street	Direction of	2016 (existing)		2040 (no build)	
	Travel	No Train	Train Present	No Train	Train Presen
W. 63 <sup>rd</sup> St.	Eastbound	1 cycle	2-3 cycles	1 cycle	2-3 cycles
	Westbound	1 cycle	1-2 cycles	1 cycle	1-2 cycles
W 65 <sup>th</sup> St.	Eastbound	1 cycle	1-2 cycles	1 cycle	2-3 cycles
	Westbound	1 cycle	2-3 cycles	1 cycle	2-3 cycles

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Maximum queue lengths were also determined from simulation. While level of service identifies the impacts at a refined scale, queue lengths were utilized as a measure to evaluate alternatives at the corridor level. This is a useful parameter for representing the worst condition, but is not necessarily typical of what an average driver would experience.



The blue lines represent the maximum queue lengths without a train, and the red lines represent the train blocking scenarios. It's estimated that it will take a minimum of 4 traffic signal cycles after the train clears both 63rd and 65th Streets before the queuing is cleared (e.g. congestion cleared). Queues on both 63rd Street and 65th Street back up for several blocks, negatively impacting the traffic on blocked side streets. With no improvements, queue lengths would increase even more due to the projected traffic growth on 63rd Street and 65th Street.























### Group 2: BRC Elevated/Depressed





Completely elevate BRC tracks at 63<sup>rd</sup> and 65<sup>th</sup> Streets

Completely depress BRC tracks at 63<sup>rd</sup> and/or 65<sup>th</sup> Streets

Partially elevate BRC tracks at partially depressed 63<sup>rd</sup> and 65<sup>th</sup> Streets

Partially depress BRC tracks at partially elevated 63<sup>rd</sup> and 65<sup>th</sup> Streets

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## Group 2 : Elevated Hybrid





## Group 2 : All Depressed





















# Group 4 : 63<sup>rd</sup> St. Depressed





Depress 63<sup>rd</sup> St. under BRC and Harlem Ave. with two-way jughandle

Depress 63<sup>rd</sup> St. under BRC and Harlem Ave. with ramps to/from Harlem Ave.

Depress 63<sup>rd</sup> St. under BRC and depress Harlem Ave./63<sup>rd</sup> St. intersection

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# Group 5 : 65<sup>th</sup> St. Elevated





Elevate 65<sup>th</sup> St. over BRC and Harlem Ave. with urban interchange & ramps

Elevate 65<sup>th</sup> St. over BRC and raise Harlem Ave./65<sup>th</sup> St. intersection

Elevate 65<sup>th</sup> St. over BRC and Harlem Ave. with elevated roundabout

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