

Transportation Committee

For the Metropolitan Council meeting of February 22, 2017

Subject: Railworks Track Systems, Inc. Construction Contract 16P310

Proposed Action

That the Metropolitan Council (Council) authorize the Regional Administrator to award and execute a construction contract with Railworks Track Systems, Inc. for construction in the amount of \$11,817,000 for the upgrades to the Park Avenue and Warehouse crossovers and replace the embedded rail at the intersections of Park Ave., Nicollet Ave. and Hennepin Ave.

Summary of Committee Discussion/Questions

Pat Jones, Tom McGannon and Mark Leemon presented and responded to questions.

Jones/McGannon answered questions from Committee members Dorfman and Barber regarding the expectations for the new track life expectancy and why the existing rail has received such wear. Mr. Jones responded that the existing crossovers experienced accelerated corrosion and wear due to salt water and stray current. Mr. McGannon responded that the rail being replaced is embedded with soft rail and no lubrication on the curves. The new track is made with a hardened head and will have lubrication. The life expectancy is estimated for 30 years.

Council Member Dorfman asked if this situation was a “lesson learned” and being corrected on all projects. Mr. Jones responded that the new design was consistent with the Green Line installation and the proposed Green and Blue Line extension projects.

Brian Lamb stated that the existing crossover at Park is single, manual and un-signalized and the new crossover would be a double, signalized and automated allowing RCC to operate the crossover. Park will also help downtown bus-bridging during a shutdown providing greater flexibility and use of US Bank stadium rather than the East Bank and Franklin stations.

Motion by Dorfman, seconded by Letofsky and passed.

Transportation Committee

Meeting date: February 13, 2017

For the Metropolitan Council meeting of February 21, 2017

Subject: Railworks Track Systems, Inc. Construction Contract 16P310

District(s), Member(s): District 7, Gary L. Cunningham

Policy/Legal Reference: Council Expenditure Policy 3-3

Staff Prepared/Presented: Brian Lamb, General Manager, 612-349-7510
Marilyn Porter, Director, E&F, 612-349-7689
Pat Jones, Assistant Director, E&F, 612-349-7606
Mark Leemon, Lead Project Manager, E&F, 612-349-7674
Tom McGannon, Principal Engineer, E&F, 612-349-7540

Division/Department: Metro Transit/Engineering & Facilities

Proposed Action

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Background

The Blue Line Enhancement – Park and Warehouse crossover project will replace existing embedded track work with new direct fixation track work, replacing the existing double crossovers at Warehouse and upgrading a single crossover at Park to a double crossover. The 13 year old crossovers have deteriorated to such an extent that total replacement is required. The proposed upgraded design is now being used at the Interchange and on the Green Line and is expected to be operational for 30 years. The embedded curved track at the intersections of Park, Nicollet and Hennepin Ave have worn down to the point that they need to be replaced by 2018. The replacement rail is being added to the Blue Line Enhancement project to reduce disruptions to Rail Operations.

An IFB was issued on December 17, 2017 seeking bids for construction. On February 1, 2017, two (2) bids were received and opened publicly. Railworks Track Systems, Inc. provided the low bid of \$11,817,000. The Office of Diversity and Equal Opportunity (ODEO) has reviewed and approved the two bids for DBE participation and good faith efforts. Staff has determined that the low bid submitted by Railworks Track Systems, Inc. is fair and reasonable and in the best interest of the Council.

Rationale

The execution of a construction contract in excess of \$2,500,000 requires Council approval.

Thrive Lens Analysis

This action promotes *stewardship* by providing for needed rehabilitation and replacement of existing rail assets.

Funding

Authorized funding is available to award this contract. Additional project funds identified in the 2017 CIP will be included in a future budget amendment.

Known Support / Opposition

There is no known opposition to this project.

Blue Line Enhancement Project – Park & Warehouse Crossovers



**Transportation Committee
February 13, 2017**

Metro Transit – Engineering & Facilities

Project Background

2015 TKDA Study:

- Warehouse and Park recommended to be replaced in 2 years.
- Previous Maintenance Efforts – 6 switch rebuilds.
- Increase safety by reducing failure of track and signal infrastructure.

Existing Conditions

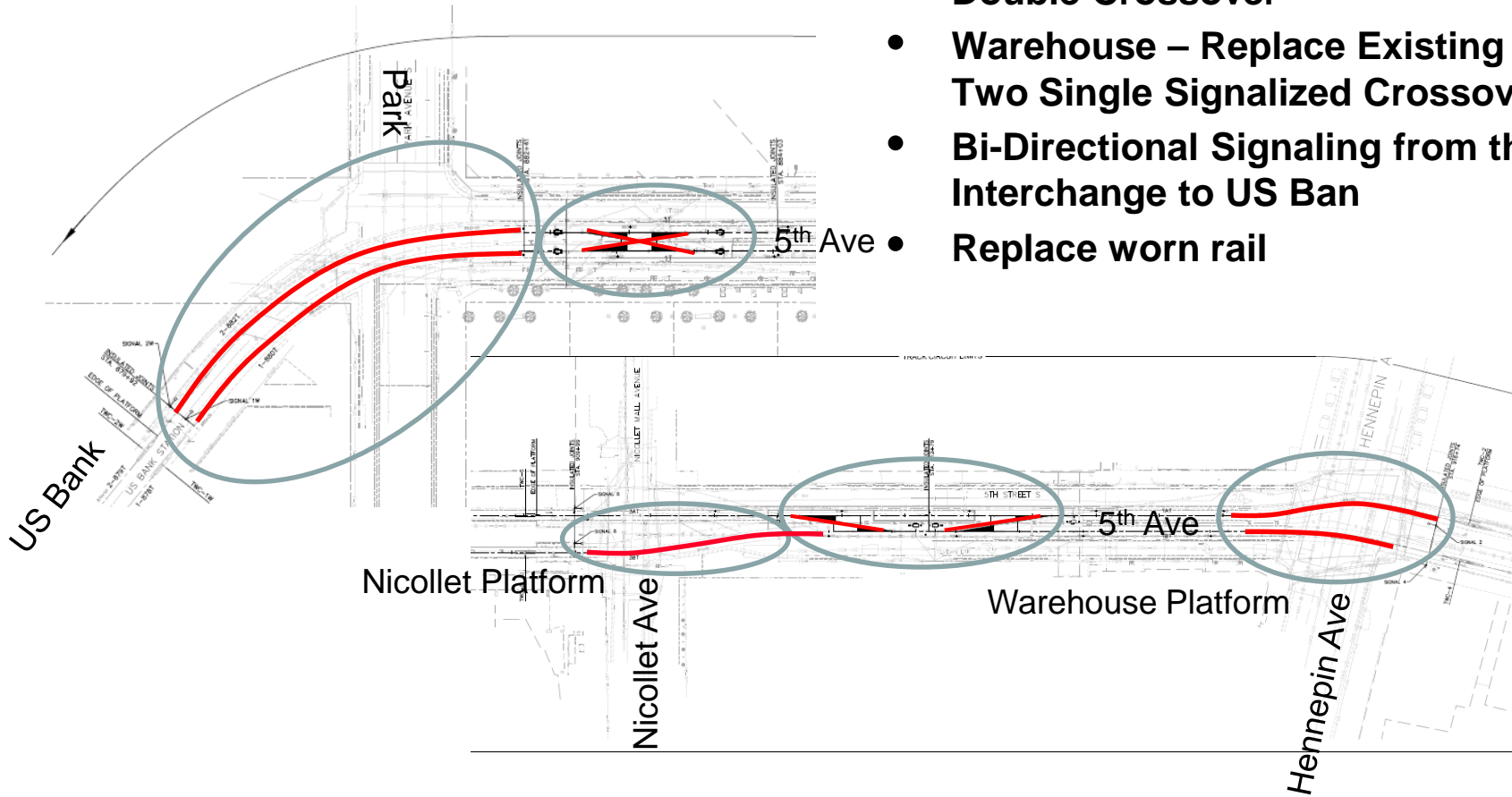
Water, Snow, and Salt

- Corrosion
- Rail to Rail Leakage Current
- Track Circuit Failures
- Shortens useful life of track



SCOPE

- Park Crossover – Existing Hand Throw Single to a Signalized Double Crossover
- Warehouse – Replace Existing Two Single Signalized Crossovers
- Bi-Directional Signaling from the Interchange to US Ban
- Replace worn rail



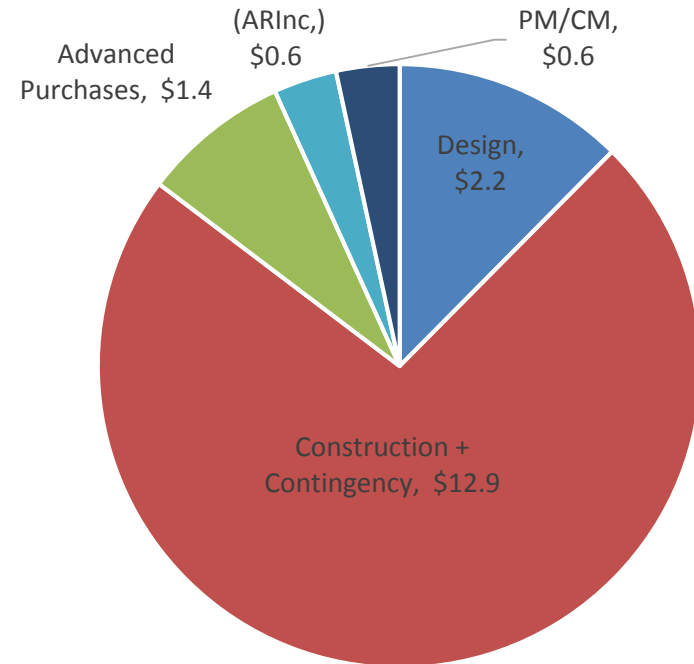
Funding and Budget Plan

Funding

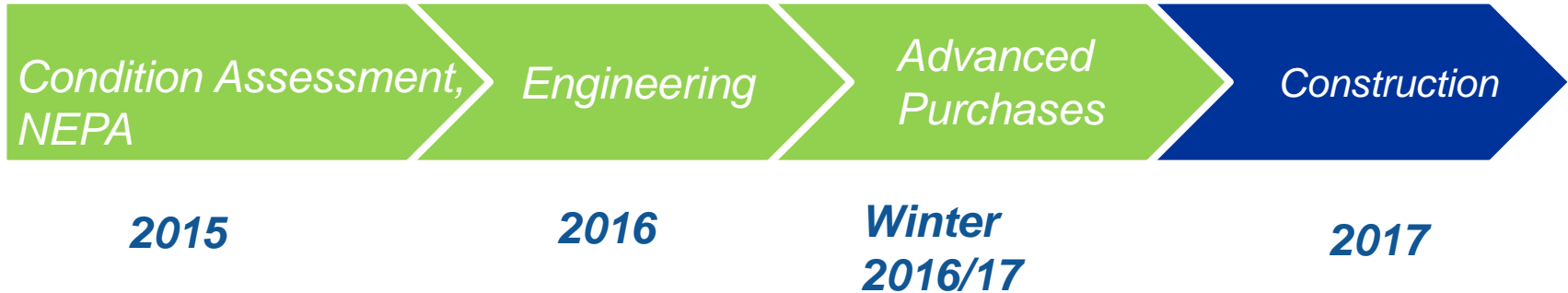
Federal (80/20)	\$ 16.5 M
2017 CIP - Federal	<u>\$ 1.2 M</u>
	\$ 17.7 M

Budget

Design:	\$ 2.2 M
Advanced Purchases:	\$ 1.4 M
Rockwell Colins (ARInc):	\$ 0.6 M
Construction w/Contingency:	\$ 12.9 M
<u>Project/Constr Mgmt:</u>	<u>\$ 0.6 M</u>
Total	\$ 17.7 M



Warehouse & Park Schedule



Next Steps

- March, 2017: Issue an NTP for construction
- June, 2017: 10 Day construction shutdown
- December 2017: Substantial Completion

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Questions

Tom McGannon

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612-349-7540