

O AND P STREETS REHABILITATION GEORGETOWN, WASHINGTON, DC

**District of Columbia
Department of Transportation**

September, 2010



Evolution of Streetcar Operation

- July 29, 1862 – Began streetcar rail service with horse drawn cars in the District between Capitol and White House
- 1864 – Service reached to Georgetown
- 1890 to 1897 – Cable cars used but terminated due to destruction of cable powerhouse by fire
- 1888 – Initiated overhead trolley service
- 1900 – Underground conduit third-rail system adopted within L'Enfant City and in Georgetown
- By 1920 – Conduit tracks extended to 115 miles in the District



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Evolution of Streetcar Operation...contd.

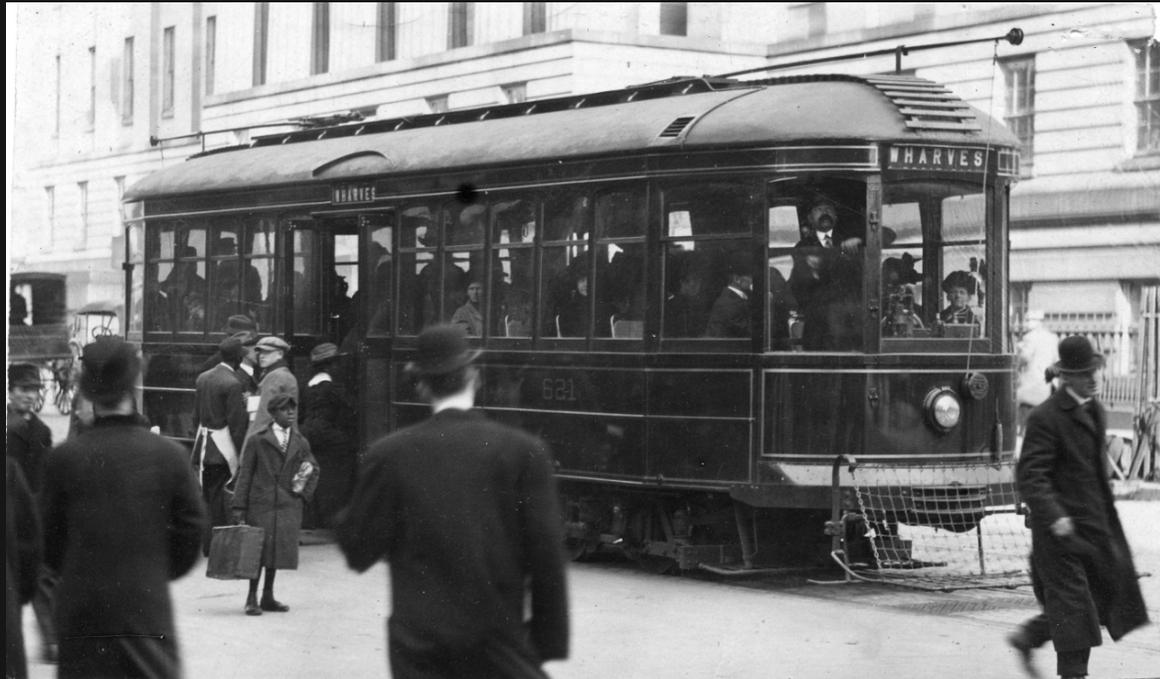
- 1933 – Capital Transit Company formed from merger between Capital Traction Co. and Washington Railway and Electric Co.
- 1955 – Workers went on strike for higher wages
- 1956 – O. Roy Chalk took over the entire streetcar operation and made significant changes, changing the name to D.C. Transit
- 1958 – Conversion of the lines to bus operation begins
- January 28, 1962 – Last day for the streetcar service
- The District started paving over and/or removing streetcar tracks
- Today besides a small section of conduit system streetcar track in London, the streetcar tracks on O and P Streets are the only surviving examples of the conduit track system



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O AND P STREETS REHABILITATION – GEORGETOWN, WASHINGTON, DC

Social, Racial and Gender Characteristics



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Streetcar's Return

- **2012 – Two lines to begin service**
 - **Anacostia, SE**
 - **H Street/Benning Road, NE**
- **37-mile network**
 - **Expected completion, 2030**
 - **Eight proposed lines**



O AND P STREETS REHABILITATION

PUBLIC ENGAGEMENT AND ENVIRONMENTAL/HISTORIC REVIEWS



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Project Description

- Repair structural integrity of O & P Streets between Wisconsin Avenue and 37th Street
- Rehabilitate existing granite pavers, bluestone curb / gutters, and brick sidewalks
- Replace old water mains and house water service connections
- Restore existing streetcar tracks and yokes



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Streetcar Tracks on P Street



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Streetcar Tracks on O Street



Proposed Improvements

STREETCAR TRACKS

- Remove, restore and re-install tracks (122-491 girder rails and 67-344 slot rails) on substructure (yokes); add flowable materials to yoke open space on O and P Streets from Wisconsin Avenue to 35th Street.
- Remove, refurbish and re-install track manholes and junction boxes
- Remove tracks and all substructure on P Street between 35th and 36th Streets (in bad shape and covered underneath existing pavement)
- Remove tracks and all substructure on 36th Street between O and P Streets (in bad shape and covered underneath existing pavement)



Proposed Improvements

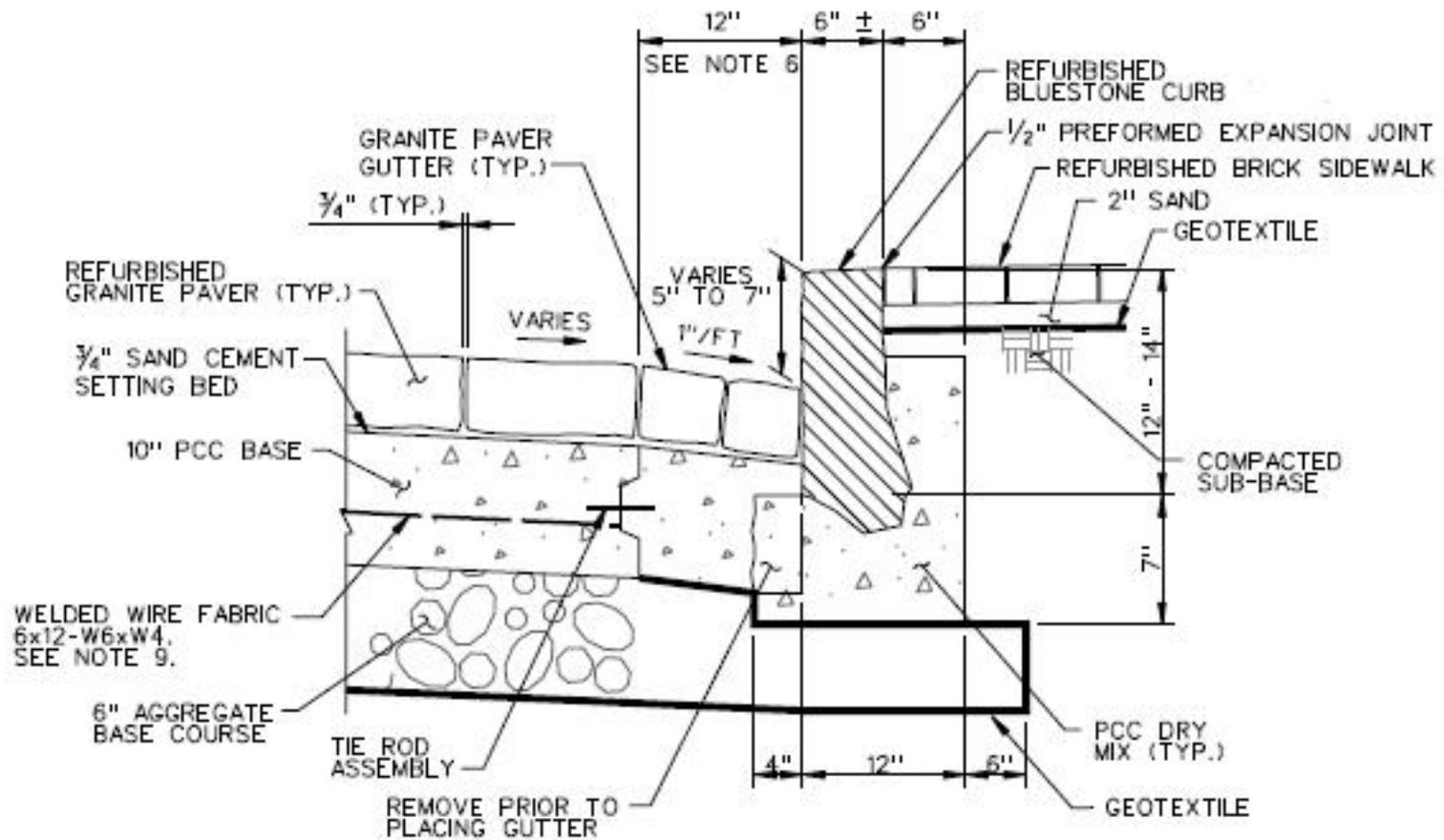
ROADWAY

- Rehabilitate and repair O and P Streets between Wisconsin Avenue and 35th Street, and rehabilitate existing granite paves to obtain uniformity, solid base, and consistent slope for drainage purposes,
- Reset existing bluestone curbs and replace existing concrete curbs with bluestone or granite.
- Reset/replace existing brick sidewalks (reuse existing brick) and remove concrete/asphalt sidewalks and replace with brick.
- Upgrade streetlight, drainage, streetscape, tree planting with Georgetown tree guards/railings



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Bluestone Curbing Detail



BLUE STONE CURB WITH GRANITE PAVERS GUTTER DETAIL

NOT TO SCALE



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Bluestone Curb

- Irregular in shape/size and rough finished
- Prison labor used for dressing bluestone curbs

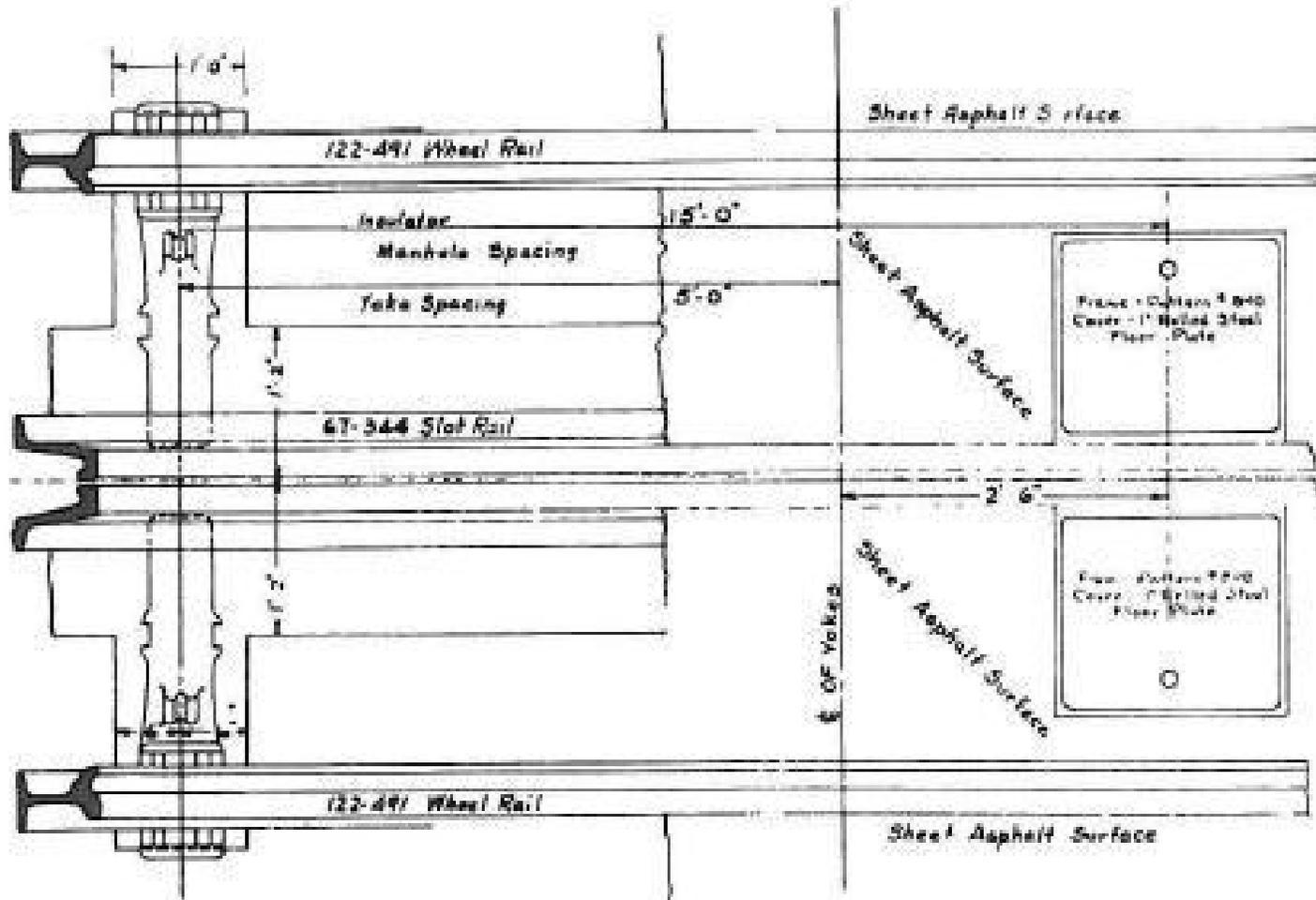


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Streetcar Track Details (Existing)



PLAN SHOWING PAVING AND MANHOLE CASTINGS

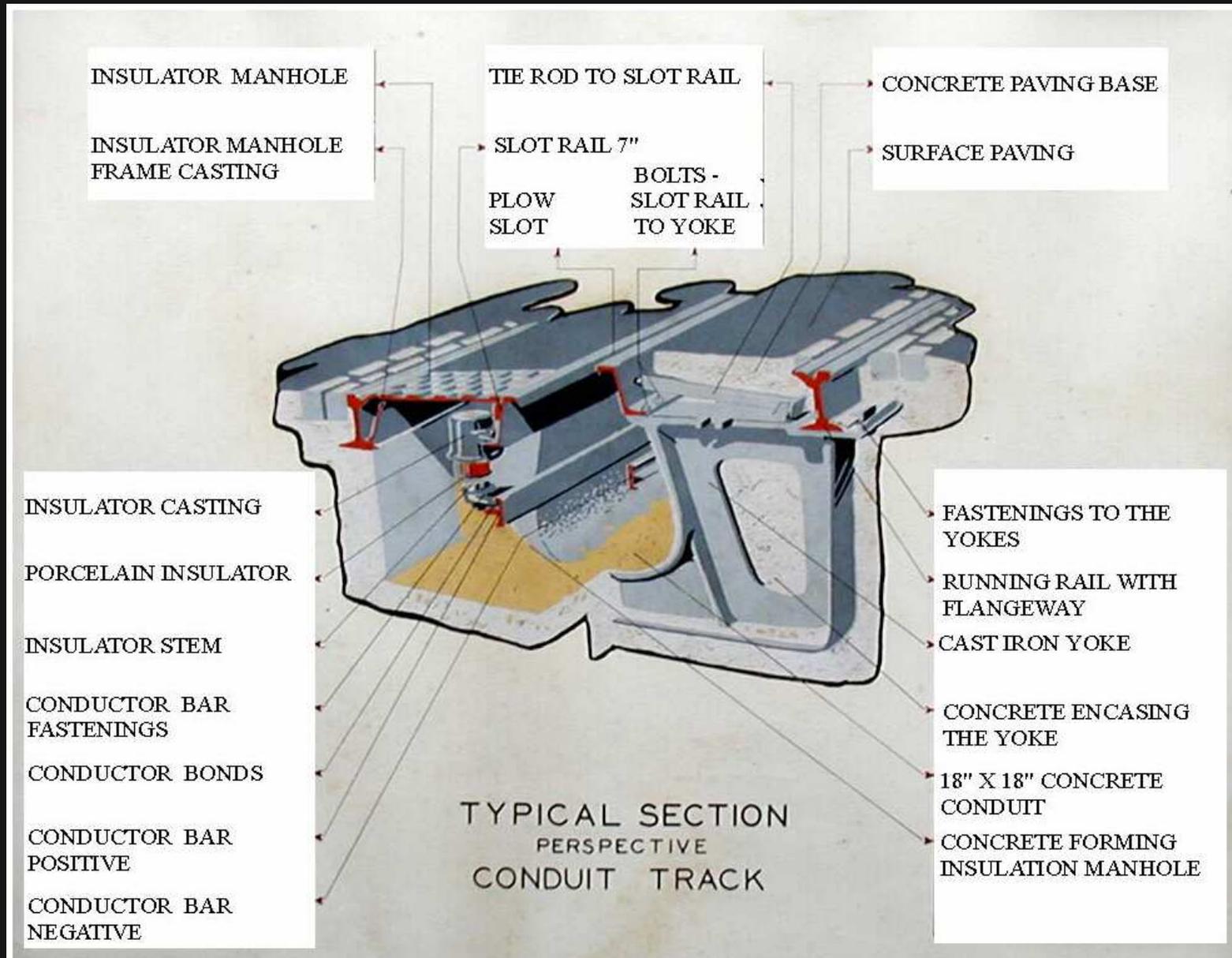
SCALE = 1" = 1'-0"

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Streetcar Track Details (Existing)



Streetcar Track Support Structure

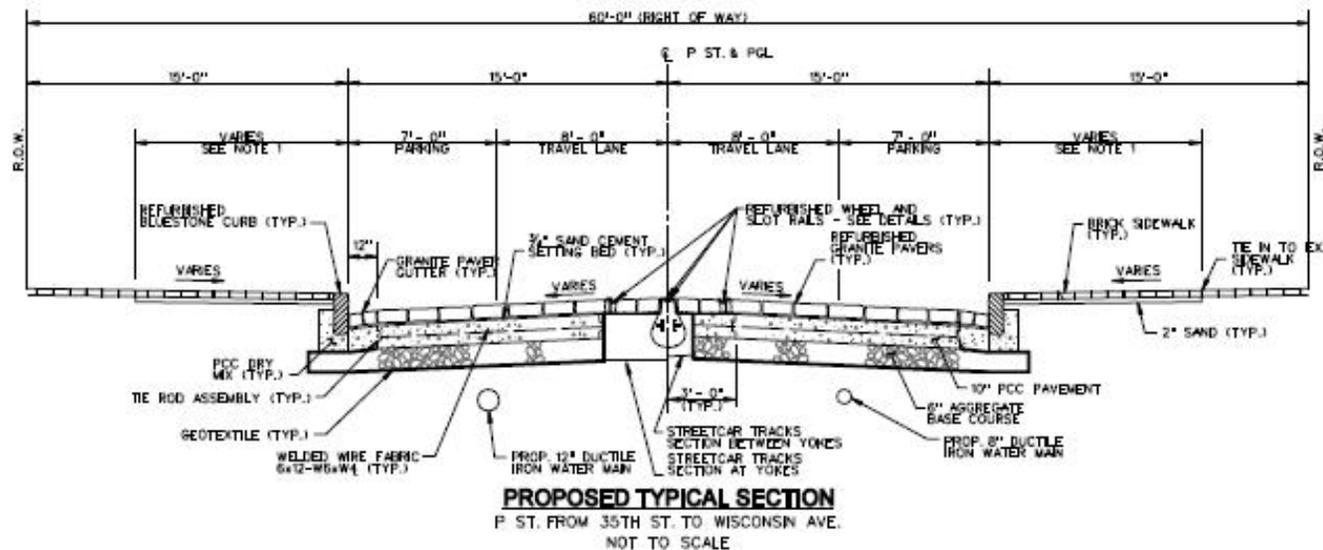
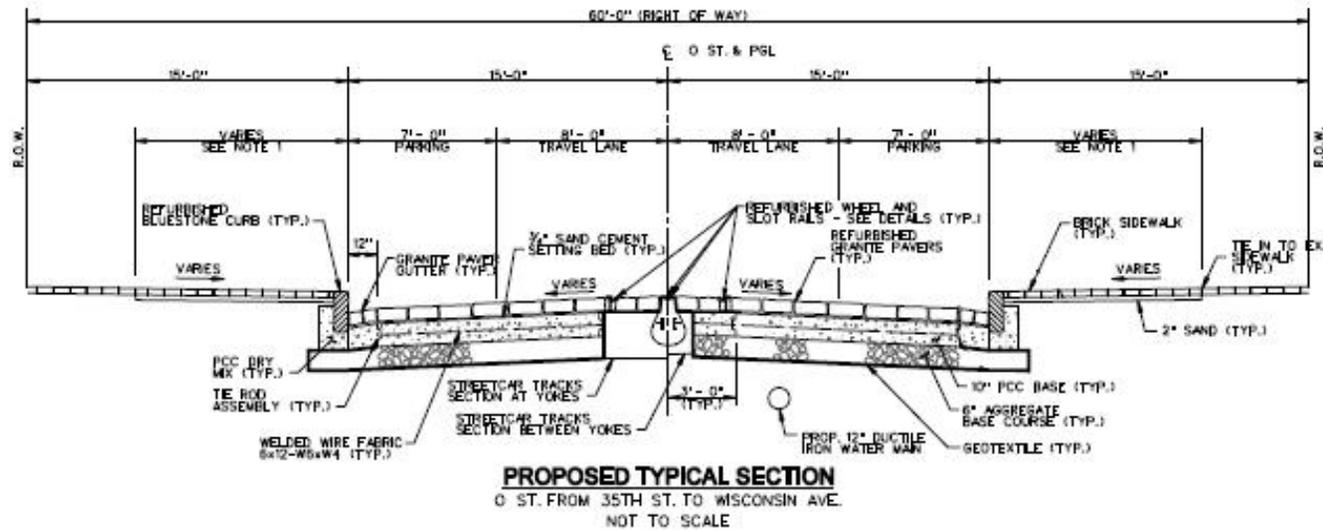


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Proposed Typical Sections

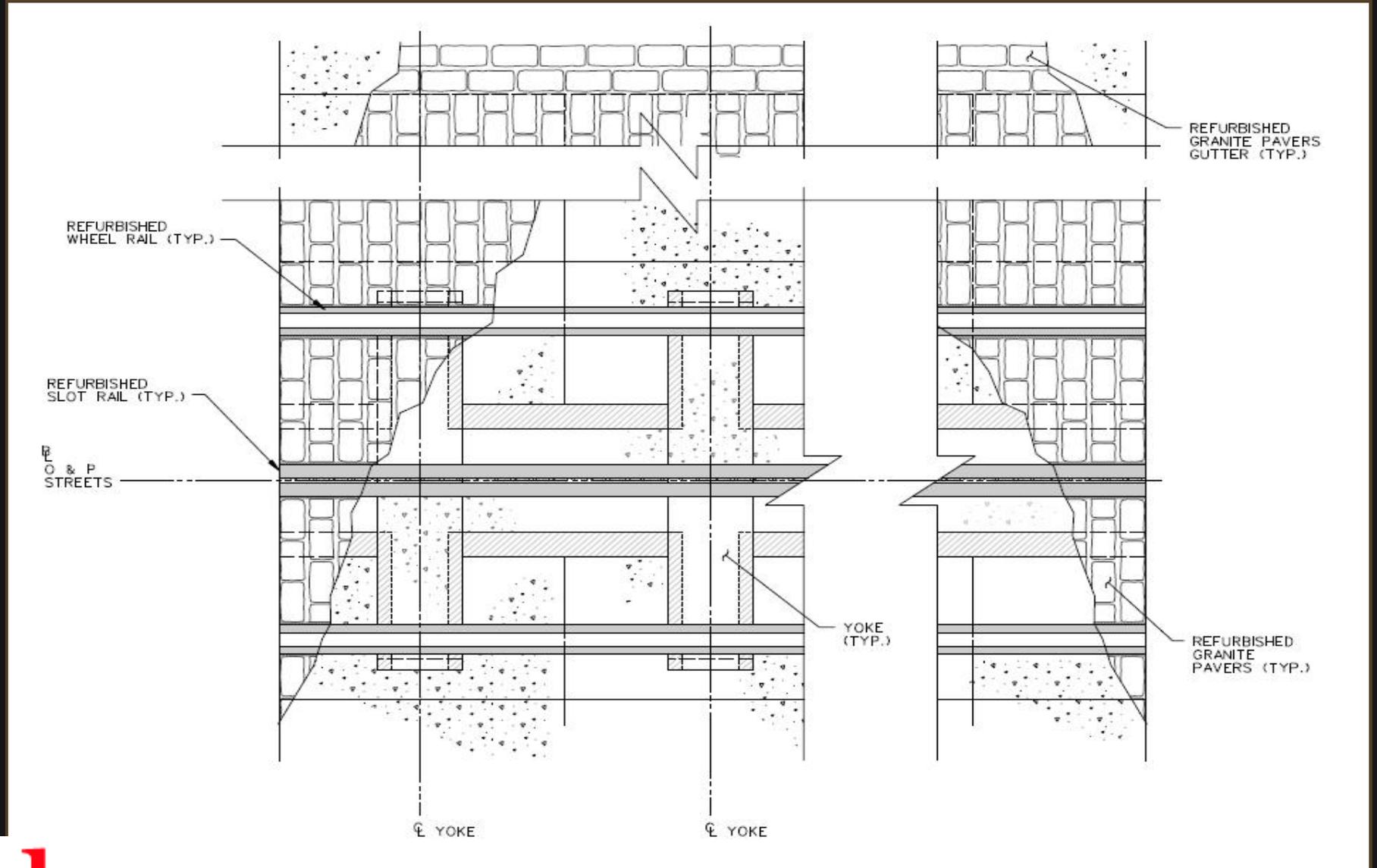


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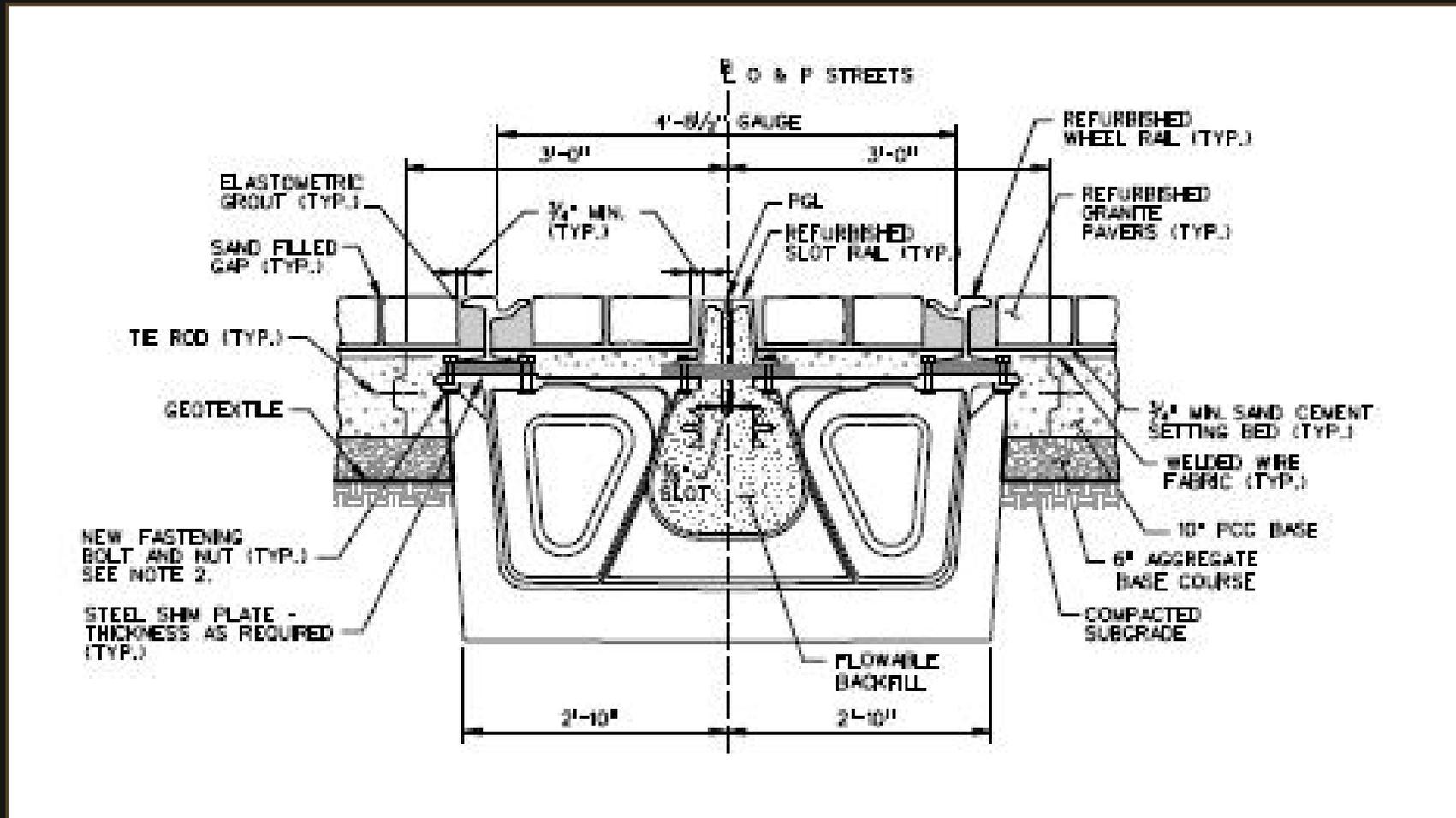
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Streetcar Track Rehabilitation



Streetcar Track Rehabilitation



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Project Status

- 
- Design is all completed
 - Must have historic restoration experts for tracks and granite pavers installation
 - Vibration and noise monitoring throughout the construction phase
 - Project is under procurement process
 - Start Construction in Fall, 2010

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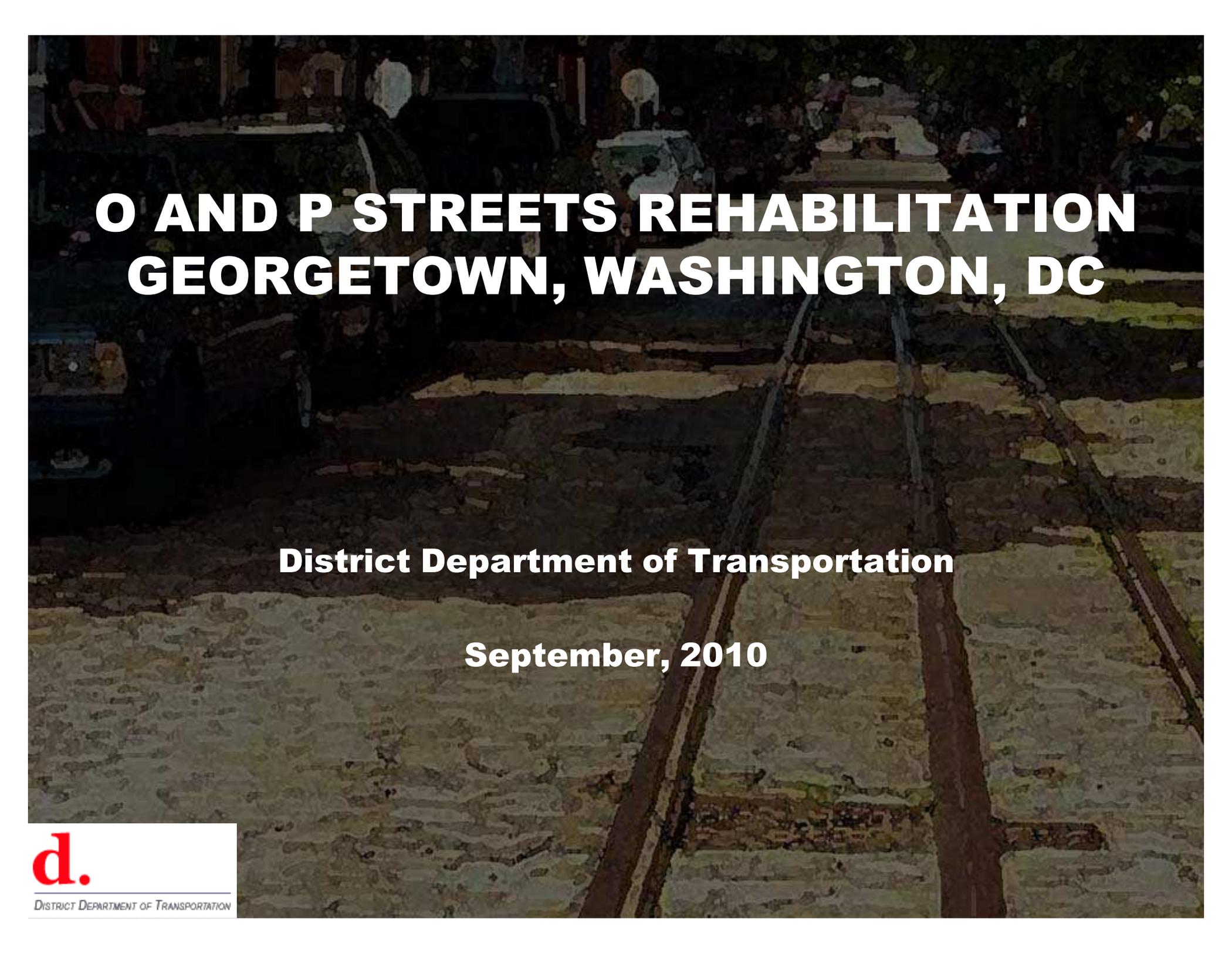


Q&A

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