

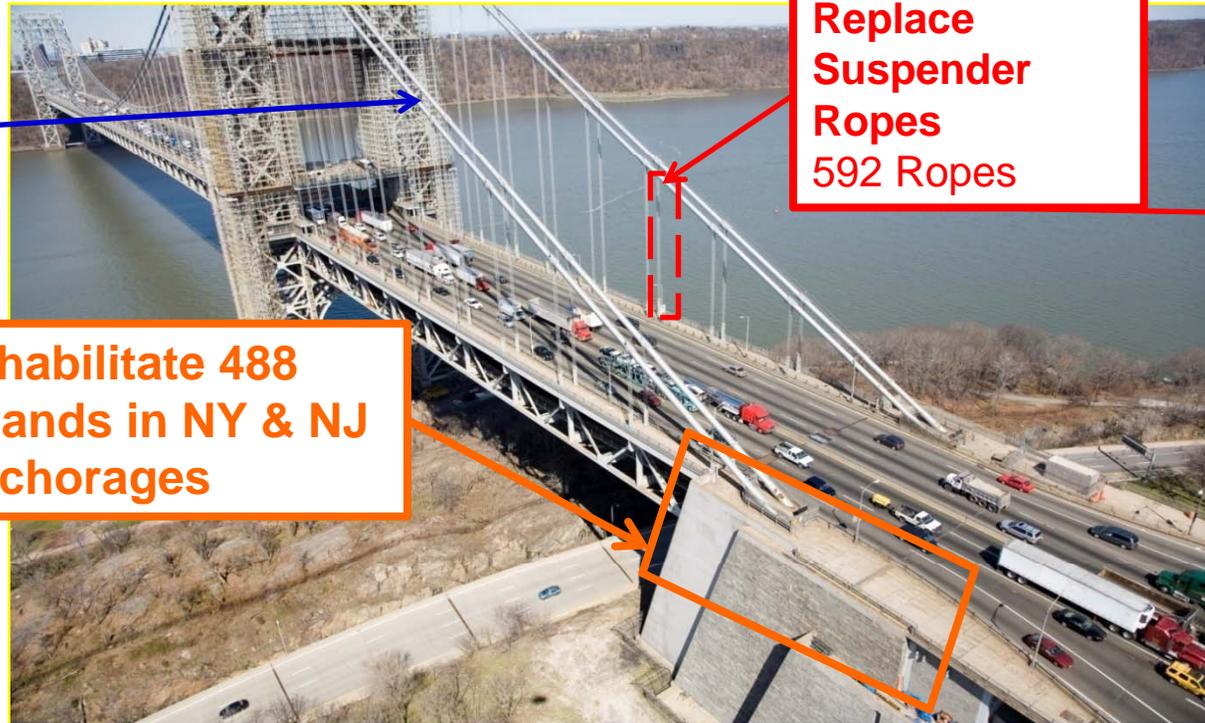
# ***GEORGE WASHINGTON BRIDGE REHABILITATION PROGRAM —***

Rehabilitation of Cable Strands in Anchorages and Relocation of Utilities on Main Span

Committee on Capital Planning, Execution and Asset Management  
November 15, 2012

# Suspension System Components – Project Scope

**Rehabilitate Main cable**  
4 -3ft Dia. Main Cables



**Replace Suspender Ropes**  
592 Ropes



**Rehabilitate 488 Strands in NY & NJ Anchorages**



## Overview

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- **GWB – top performing TB&T facility in volume and revenue**
  - Over 100 million vehicles per year
  - Generates approximately \$600 Million in revenue per year
  
- **Prior Authorizations**
  - Planning Authorization: \$4.5 Million – March 2009
  - Increase in Planning: \$15.5 Million – December 2011
  
- **Suspension System Program – State of Good Repair**
  - Rehabilitation of Cable Strands in Anchorages
  - Utility relocations in advance of suspender rope replacement work
  - Suspender Rope Replacement and Main Cables Rehabilitation

## *Rehabilitation of Cable Strands*

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- Objective
  - Rehabilitate cable strands in the anchorage
- Scope of Work
  - Strand wires have become deteriorated/broken
  - Strand wires will be repaired by splicing methods
  - Inspection, cleaning and painting

## *Relocation of Utilities on Main Span*

Existing utilities (high voltage power and communication cables) are located between suspender rope clusters beneath the sidewalks.

Relocation to the Lower Level center median area is necessary for suspender rope replacement under future project.



## ***Key Milestones / Schedule***

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- Project Authorization – November 2012
- Final Contract Documents/Procurement
  - Cable Strands: November 2012 through April 2013
  - Utility Relocations: November 2012 through June 2013
- Anticipated Award of Contract
  - Cable Strands: May 2013
  - Utility Relocations: July 2013
- Anticipated Construction Completion
  - Cable Strands: 1<sup>st</sup> Qtr 2016
  - Utility Relocations: 1<sup>st</sup> Qtr 2015

## *Recommendation – Project Summary (Cable Strands)*

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- Total Project Cost: \$33.3 M
  - Staff Cost: \$6.5 M
    - In-House: \$4.74 M
    - Consultant: \$1.76 M
  - Contract: \$20.7 M
- Jobs: 90 job-years ( on- and off-site)
- Wages: \$8 Million
- Project will produce 200 job-years, \$13 Million in wages and \$50 Million in economic activity

## *Recommendation – Project Summary (Utility Relocations)*

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- Total Project Cost: \$13.6 Million
  - Staff Cost: \$1.4 Million
    - In-House: \$0.8 Million
    - Consultant: \$0.6 Million
  - Contract: \$8.4 Million
- Jobs: 20 job-years (on- and off-site)
- Wages: \$2 Million
- Project will produce 60 job-years, \$5 Million in wages and \$22 Million in economic activity.