Mega Projects of the Americas

Woodrow Wilson Bridge

Mike McGee, EI
Federal Highway Administration
Project Location
**Telegraph Road**
- Scope: 2 Interchanges
- Character: Urban Construction

**US Route 1**

**River Crossing**

**I-295**
- Scope: I-295 Improvements

**MD-210**

**VIRGINIA**
- Scope: 2 Interchanges
- Character: Urban Construction

**DISTRICT OF COLUMBIA**
- Scope: I-295 Improvements

**MARYLAND**
- Scope: 2 Interchanges
- Character: Over Water, Open
CONSTRUCTION CONTRACTS
Potomac River Bridge

Bridge SDC: Parsons Transportation Group

BR-1 Dredging
PG 3406173
(MDE - N/A)

- Advert 9/24/04
- Open ID 10/9/04
- Conf 7/17/04
- Complete 2/14/05
- Const. Budget $394,000
- Contractor: Weeks Marine

COMPLETED

- Goal: Dredging mud, sediment, pollution, debris, to restore channel for navigation
- Completed: 2005

BR-2 Foundations
PG 3406173
(MDE 01-SF-024)

- Advert 11/27/04
- Open ID 2/22/05
- Complete 6/14/05
- Const. Budget $1,166,000
- Contractor: Mutual / Blythe / Clark

COMPLETED

- Foundations: 100% complete

BR-3A Bascule Spans
PG 3465173
(MDE 02-EX-0017)

- Advert 1/22/05
- Open ID 4/23/05
- Conf 4/29/05
- Complete 11/4/05
- Const. Budget $350,000
- Contractor: American Bridge / Kiewit

55% COMPLETED

- Critical Dates:
  - Shovel traffic in new Outer Loop Bridge
  - Shovel traffic in new Outer Loop Bridge

BR-3B Virginia Approach Spans
PG 5175173
(MDE N/A)

- Advert 11/29/05
- Open ID 5/4/06
- Conf 6/15/06
- Complete 11/24/06
- Const. Budget $11,830,000
- Contractor: O'Kane Construction

49% COMPLETED

- Critical Dates:
  - Shovel traffic in new Outer Loop Bridge
  - Shovel traffic in new Inner Loop Bridge

BR-3C Maryland Approach Spans
PG 5155173
(MDE 50-SF-0020)

- Advert 6/21/06
- Open ID 3/27/07
- Conf 4/30/07
- Complete 10/30/07
- Const. Budget $123,000,000
- Contractor: Parsons Transportation Group

41% COMPLETED

- Critical Dates:
  - Shovel traffic in new Outer Loop Bridge
  - Shovel traffic in new Inner Loop Bridge

Please forward updates to:
valkening@parsonstransportation.com

Woodrow Wilson Bridge
Transportation Project

Date: JANUARY 2006

Plan Scale: 1/10,000

Legend:
- 300' 400' 500' 600' 700' 800' 900' 1,000'

- Please forward updates to:
  valkening@parsonstransportation.com
Existing Woodrow Wilson Bridge
Need For Replacement

- Safety
  . . . has nearly twice the accident rate of similar highways in Maryland and Virginia as well as the American Legion Bridge . . .

- Traffic Volume
  . . . is burdened with seven hours of congestion daily and frequent several-mile backups . . .
Design Contest
Design Contest

entrant a

HNTB Corporation
Design Contest

entrant t

HNTB Corporation
Design Contest

entrant c

Figg Engineering Group/Johnson, Mirmiran & Thompson
Design Contest

entrant d

T.Y. Lin International
Design Contest

entrant q

Figg Engineering Group/Johnson, Mirmiran & Thompson
Design Contest

Parsons Transportation Group (formerly Steinman/DeLeuw)
Design Contest

winning entry b

Parsons Transportation Group (formerly Steinman/DeLeuw)
Design Contest
Design Contest
Design Contest
Design Contest
Design Contest
Design Contest
Design Contest
General Engineering Consultant
Potomac Crossing Consultants

- Joint Venture
  - Parsons Brinckerhoff (Lead)
  - URS Corporation
  - Rummel Klepper & Kahl
BR-1 Dredging Operation

- Weeks Marine Inc.
- $14.5 M Contract
- Sept. 00 - March 01
- 300,000 cubic yards
- Used to fill 50-acre hole at the Shirley Plantation on the James River that was mined for sand and gravel
BR-2 Foundations Contract

- Joint Venture
  Tidewater/Kiewit/Clark
- $125M Contract
- 5/2001 - 7/2003
- 72” Pipe Piles (Bascule)
- 35 Per Foundation x 4
BR-2 Foundations Contract

- Installed With Ringer Crane 300’ Boom
- -210’ Tip Depth
- Sunk Up To -70’ Under Self Weight
- Excavated & Filled W/Concrete To -135’
BR-2 Foundations Contract
BR-2 Foundations Contract
BR-2 Foundations Contract
BR-2 Foundations Contract
BR-2 Foundations Contract
CONSTRUCTION CONTRACTS
Potomac River Bridge

Bridge SDC: Parsons Transportation Group

BR-1 Dredging
PG 3465173 (MDE - N/A)

ADVER 8-21-01A
OPEN BD 8-24-01A
NTP 8-27-01A
COMPLETE 9-4-01A
CONTRACTOR WEIRS MARINE

COMPLETED
Critical Dates
Dredging only permitted between October 15
and February 14

Lagged Dredging
333,000 CY
Disposal of
Wetwash - non in VA

BR-2 Foundations
PG 3465173 (MDE 015F-0284)

ADVER 5-12-01A
OPEN BD 5-12-01A
NTP 5-12-01A
COMPLETE 7-4-01A
CONTRACTOR KALIDCO

COMPLETED
Critical Dates
Every foundation had a completion date

Foundations
100% Dredged
95% Over / 75% Under
84,000 CY of Mud/Clay
14,000 TP of Concrete
3,600 CY of Concrete
8,000 CY of Dredging

BR-3A Bascule Spans
PG 3465178 (MDE 035-E-0017)

ADVER 9-2-02A
OPEN BD 11-2-02A
NTP 1-3-03A
COMPLETE 7-4-03A
CONTRACTOR AMERICAN BRIDGES /
KRAESER

55% COMPLETED
Critical Dates

BR-3B Virginia Approach Spans
PG 5175173 (MDE N/A)

ADVER 10-4-02A
OPEN BD 12-4-03A
NTP 4-24-03A
COMPLETE 4-25-03A
CONTRACTOR $28,000
CONTRACTOR GRAHAM /
AMERICAN BRIDGES / KRAMM

4% COMPLETED
Critical Dates

BR-3C Maryland Approach Spans
PG 5115773 (MDE 055-S-0020)

ADVER 10-4-02A
OPEN BD 1-3-03A
NTP 4-24-03A
COMPLETE 4-24-03A
CONTRACTOR $275,000
CONTRACTOR $275,000

41% COMPLETED
Critical Dates

Please forward updates to:
calanqing@parsons.com
BR-3A Bascule Spans
Bascule contract work from existing operator's tower

BR-3A Bascule Spans
BR-3A Bascule Spans

Finished V1 OL Pier
BR-3A Bascule Spans
BR-3A Bascule Spans
BR-3A Bascule Spans
BR-3A Bascule Spans
BR-3A  Bascule Spans
BR-3A Bascule Spans
BR-3A Bascule Spans
BR-3A Bascule Spans
BR-3A Bascule Spans
BR-3B Virginia Fixed Spans
BR-3B Virginia Fixed Spans

Current Design
View Looking Toward Maryland From Virginia
BR-3B Virginia Fixed Spans
BR-3B Virginia Fixed Spans
BR-3C  Maryland Approach Spans
BR-3C Maryland Approach Spans
BR-3C  Maryland Approach Spans
Virginia Right-of-Way Considerations

Relocation/Property Management
VA-3 Hunting Tower Demolition
VA-4 Virginia Tie-In Contract
Urban Deck
VA-4 Virginia Tie-In Contract

Early Tie-In Proposal
Current Status

- On schedule
- On budget
- Excellent Safety Record
- Excellent Environmental Record
Questions?

www.wilsonbridge.com
mike.mcgee@fhwa.dot.gov