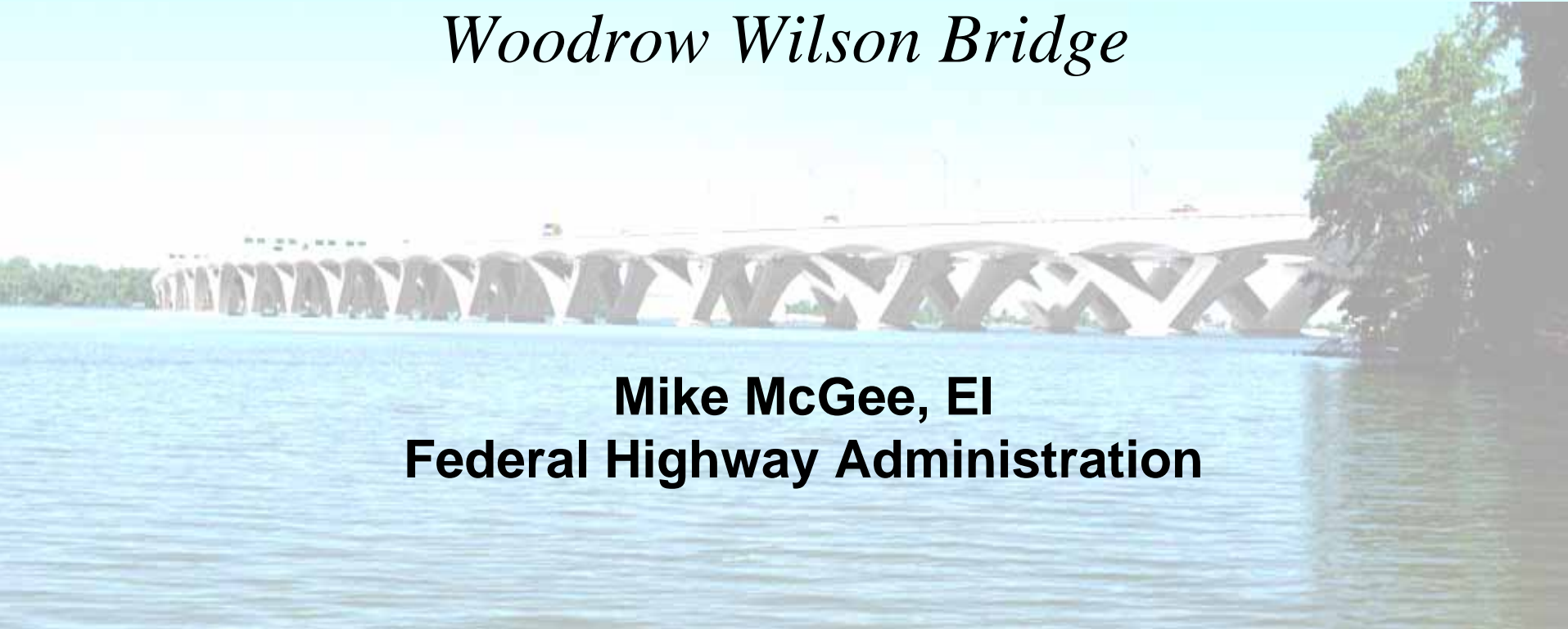


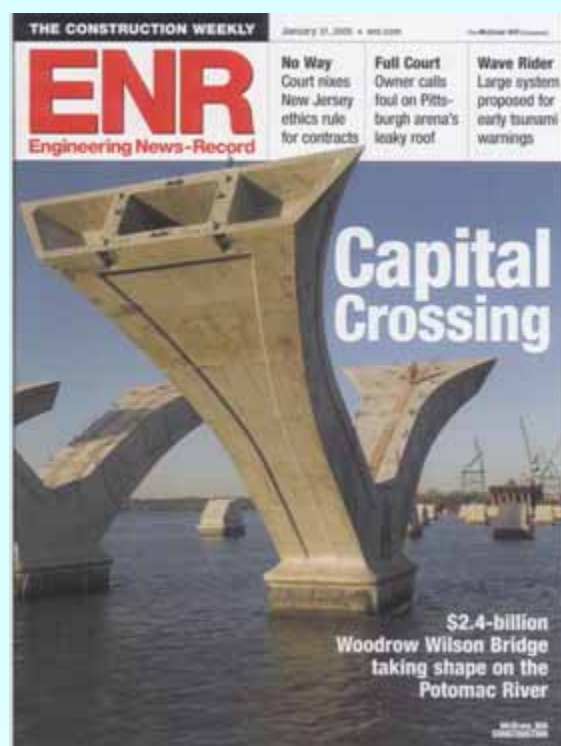


Mega Projects of the Americas

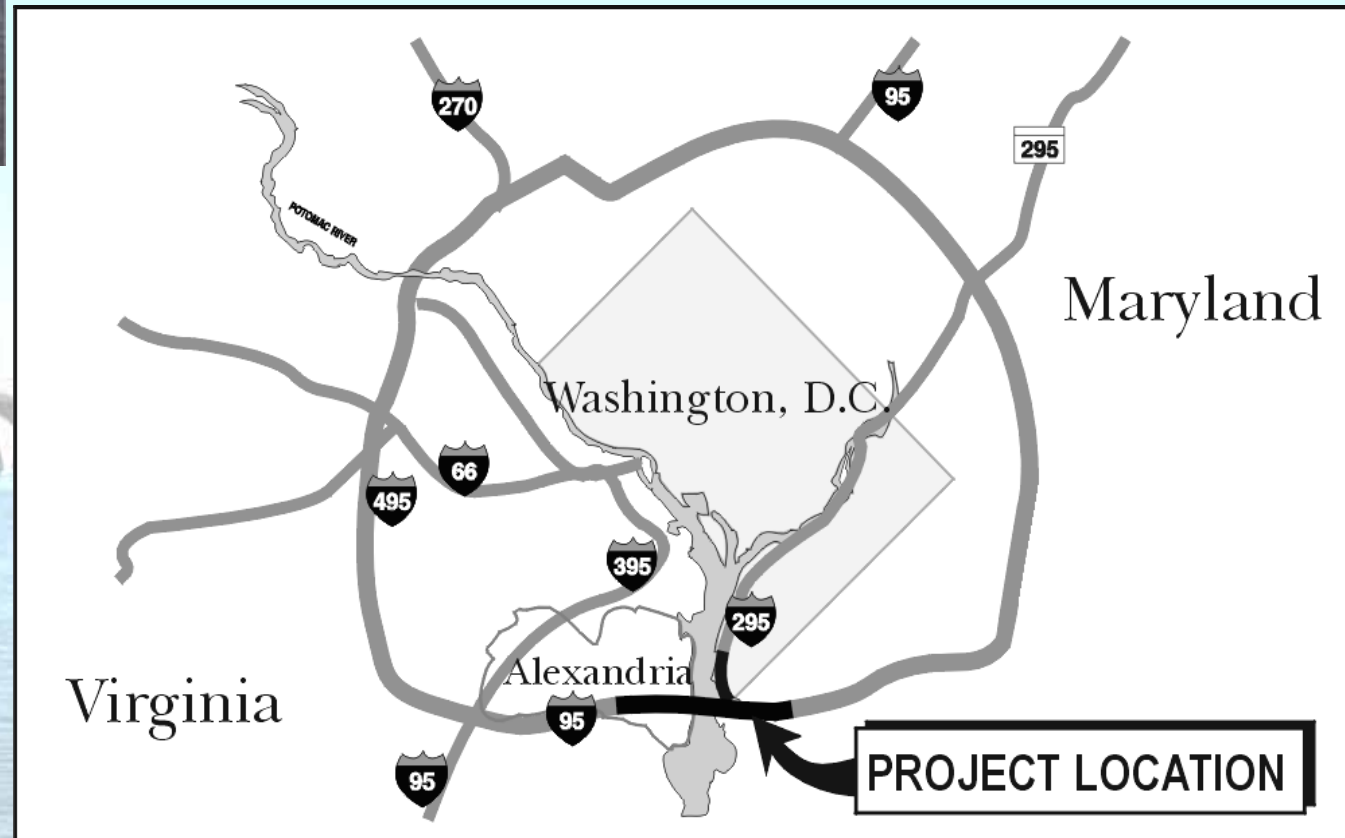
Woodrow Wilson Bridge

Mike McGee, EI
Federal Highway Administration





Project Location





Telegraph Road

US Route 1

River Crossing

I-295

MD-210

VIRGINIA

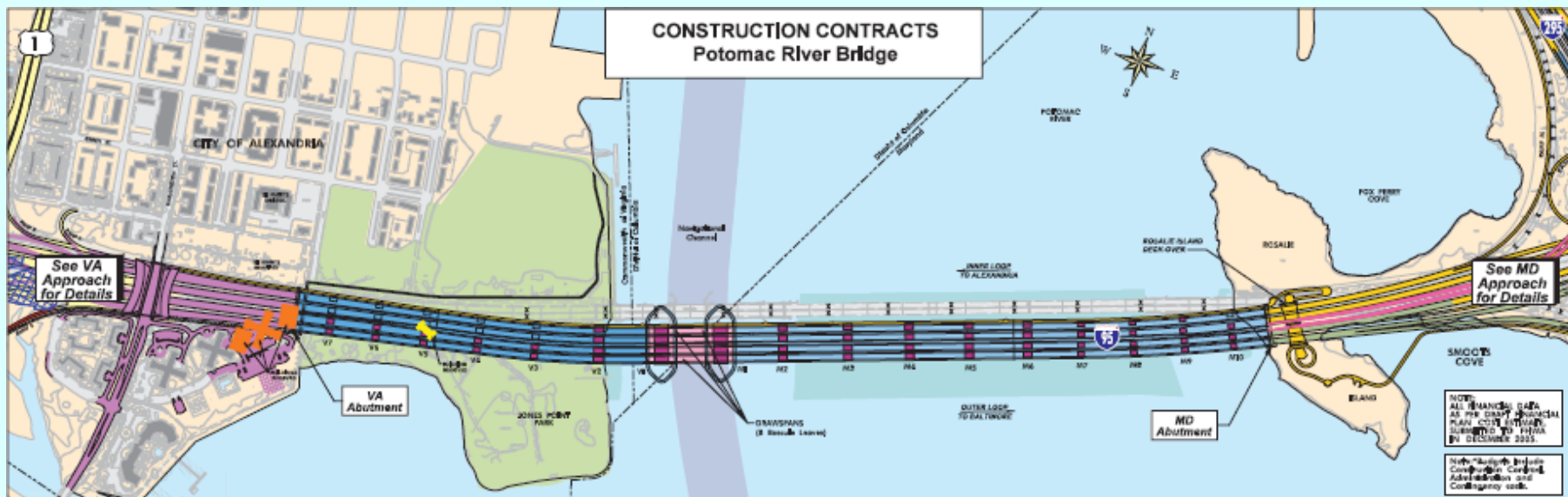
- Scope
2 Interchanges
- Character
Urban Construction

DISTRICT OF COLUMBIA


- I-295 Improvements

MARYLAND

- Scope
2 Interchanges
- Character
Over Water, Open



Bridge SDC: Parsons Transportation Group

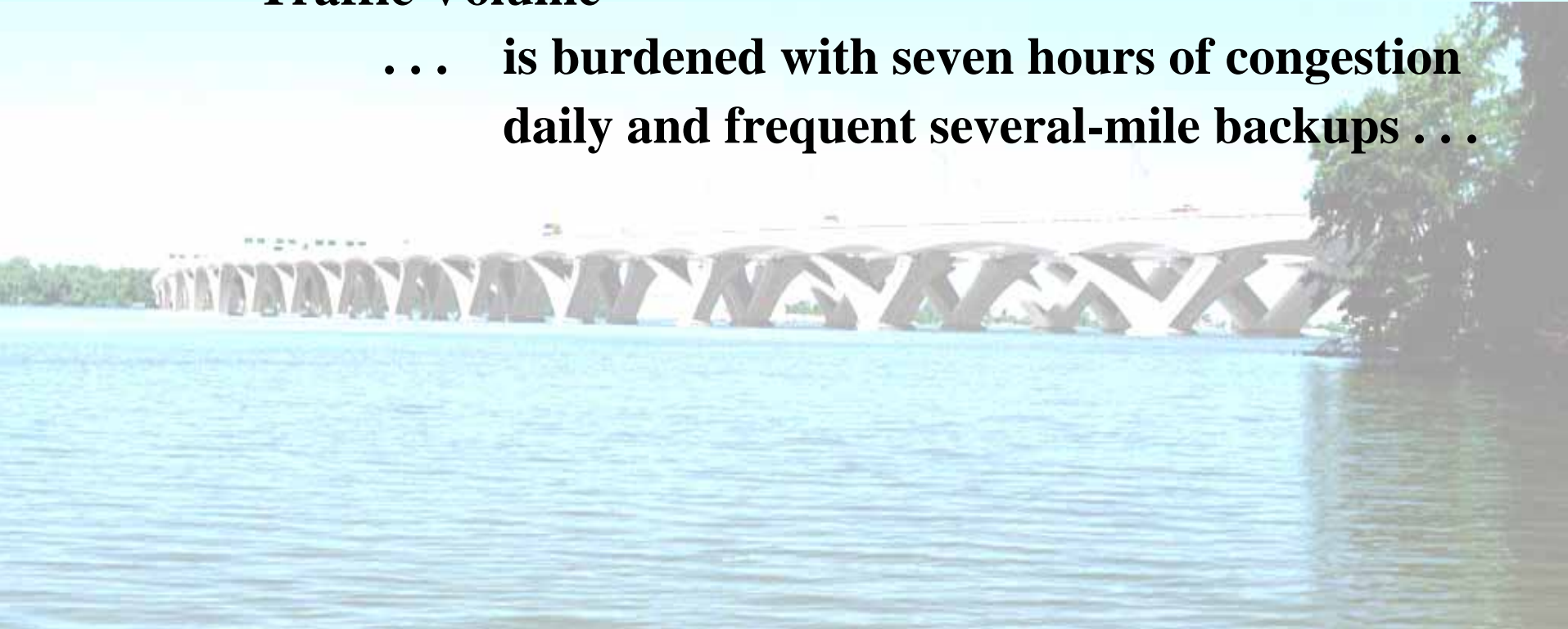
<p>BR-1 Dredging</p> <p>PG 3405173 (MDE - N/A)</p> <p>ADVER 9-23-00A OPEN 9-24-00A NTP 10-26-00A COMPLETE 3-10-01A CONSTR BUDGET \$16.0M* CONTRACTOR: WEEKS MARINE</p> <p>COMPLETED</p> <p><u>CRITICAL DATES</u> Dredging only permitted between October 15 and February 14</p> <p><u>Initial Dredging</u> (323,000 CY) Deposited at Weanock site, in VA</p>	<p>BR-2 Foundations</p> <p>PG 3415173 (MDE 01-SF-0284)</p> <p>ADVER 2-22-01A OPEN 3-22-01A NTP 5-27-01A COMPLETE 7-1-03A CONSTR BUDGET \$146.0M* CONTRACTOR: HENRY CLARK</p> <p>COMPLETED</p> <p><u>CRITICAL DATES</u> Every foundation had a completion date</p> <p><u>Foundations</u> 100% Outer / 75% Inner Loops 114,000 LF of Steel Pipe Piles (4' to 6' Dia.) 11,000 LF of Concrete Piles (24" x 24") 113,500 CY Concrete (103,900 CY of Dredging)</p>	<p>BR-3A Bascule Spans</p> <p>PG 3455173R (MDE 02-EX-0017)</p> <p>ADVER 7-5-02A OPEN 11-2-02A NTP 2-21-03A COMPLETE 8-15-08 CONSTR BUDGET \$224.0M* CONTRACTOR: AMERICAN BRIDGE / KRAMER</p> <p>55% COMPLETED</p> <p><u>CRITICAL DATES</u> Should traffic to New Outer Loop Bridge mid-2006 Should traffic to New Inner Loop Bridge by mid-2008</p> <p>Bascule Piers, Superstructure, Operator's House and Some Demolition of Existing Bridge 38,800 CY of Concrete 14,105,000 Lbs Structural Steel 8,000,000 Lbs Rebar</p>	<p>BR-3B Virginia Approach Spans</p> <p>PG 5175173 (MDE N/A)</p> <p>ADVER 10-15-02A OPEN 2-13-03A NTP 4-23-03A COMPLETE 8-15-08 CONSTR BUDGET \$236.2M* CONTRACTOR: GRANITECORIAN</p> <p>49% COMPLETED</p> <p><u>CRITICAL DATES</u> Should traffic to New Outer Loop Bridge mid-2006 Should traffic to New Inner Loop Bridge by mid-2008</p> <p>Piers, Superstructure, Inner Loop Foundations in Jones Point Park, and some demolition of Existing Bridge 11,400 CY Concrete 27,300,000 Lbs Structural Steel 5,800,000 Lbs Rebar</p>	<p>BR-3C Maryland Approach Spans</p> <p>PG 5155173 (MDE 02-SF-0020)</p> <p>ADVER 1-1-03A OPEN 5-1-03A NTP 6-1-03A COMPLETE 12-1-08 F.P. BUDGET \$230.4M* CONTRACTOR: KRAMER / AMERICAN BRIDGE/STUBBINS</p> <p>41% COMPLETED</p> <p><u>CRITICAL DATES</u> Should traffic to New Outer Loop Bridge mid-2006 Should traffic to New Inner Loop Bridge by mid-2008</p> <p>Piers, MD Abutment, Superstructure, Fender Ring and some demolition of Existing Bridge 43,100 CY Concrete 40,003,000 Lbs Structural Steel 11,346,000 Lbs Rebar</p>	<p> </p> <p> PLAN SCALE</p> <p>Date: JANUARY 2006</p> <p>Please forward updates to: dadkins@rkkengineers.com</p>
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Existing Woodrow Wilson Bridge

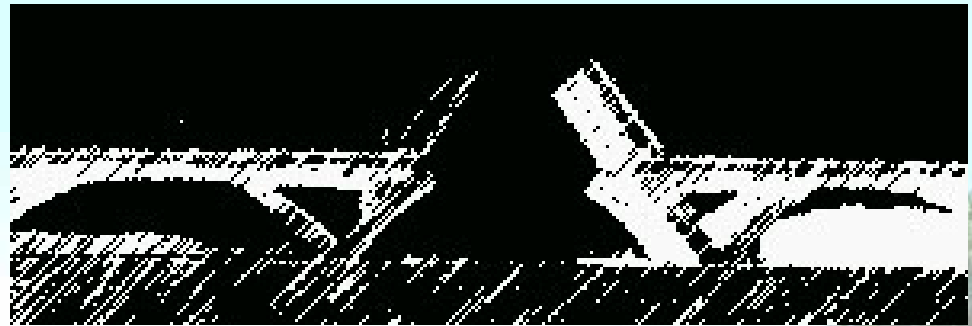
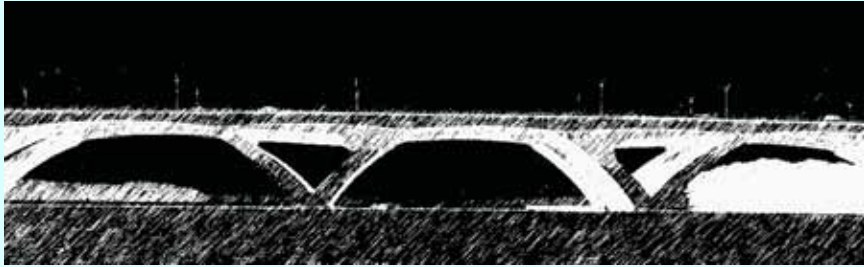


Need For Replacement

- **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 ...



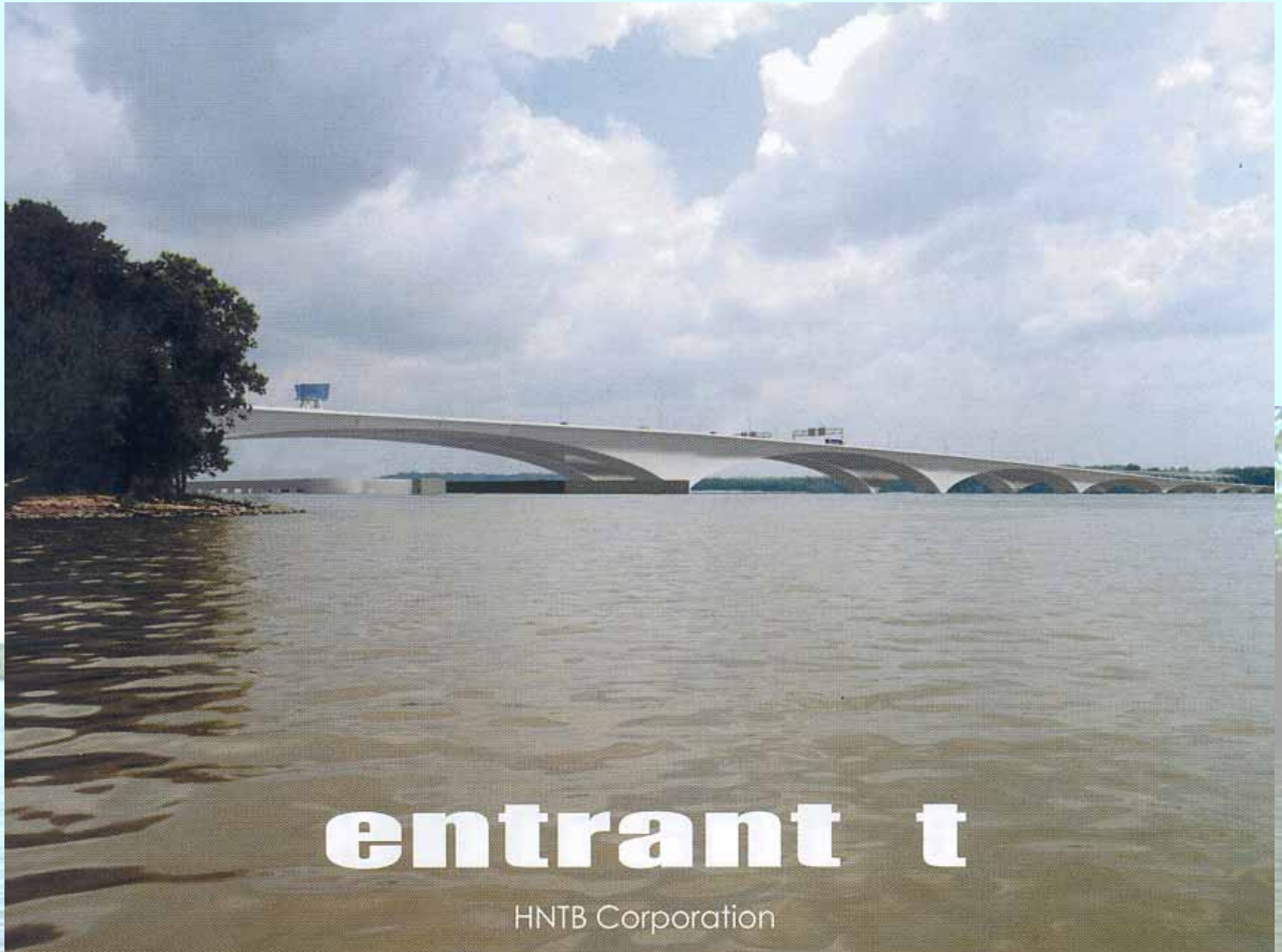
Design Contest



Design Contest



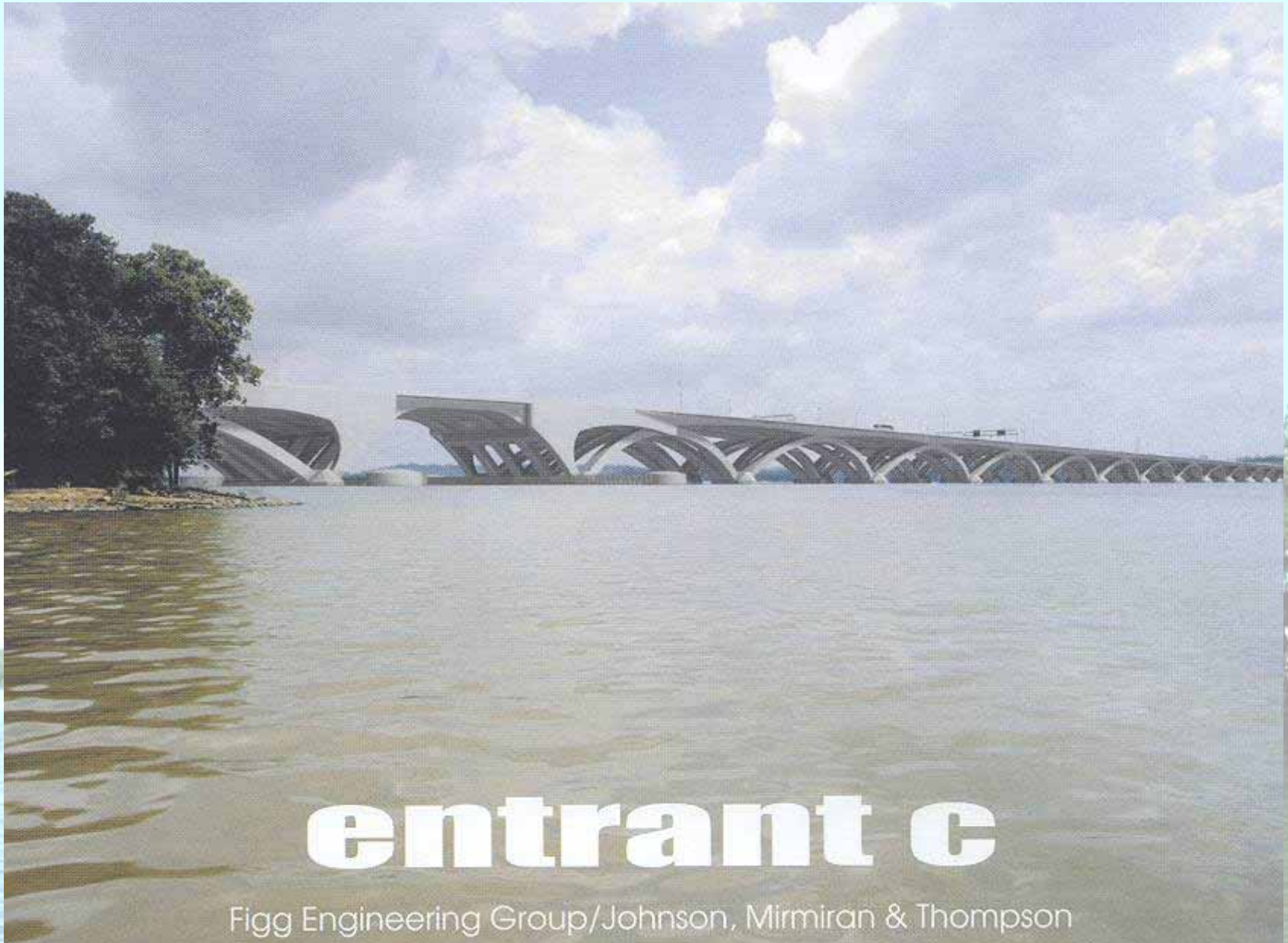
Design Contest



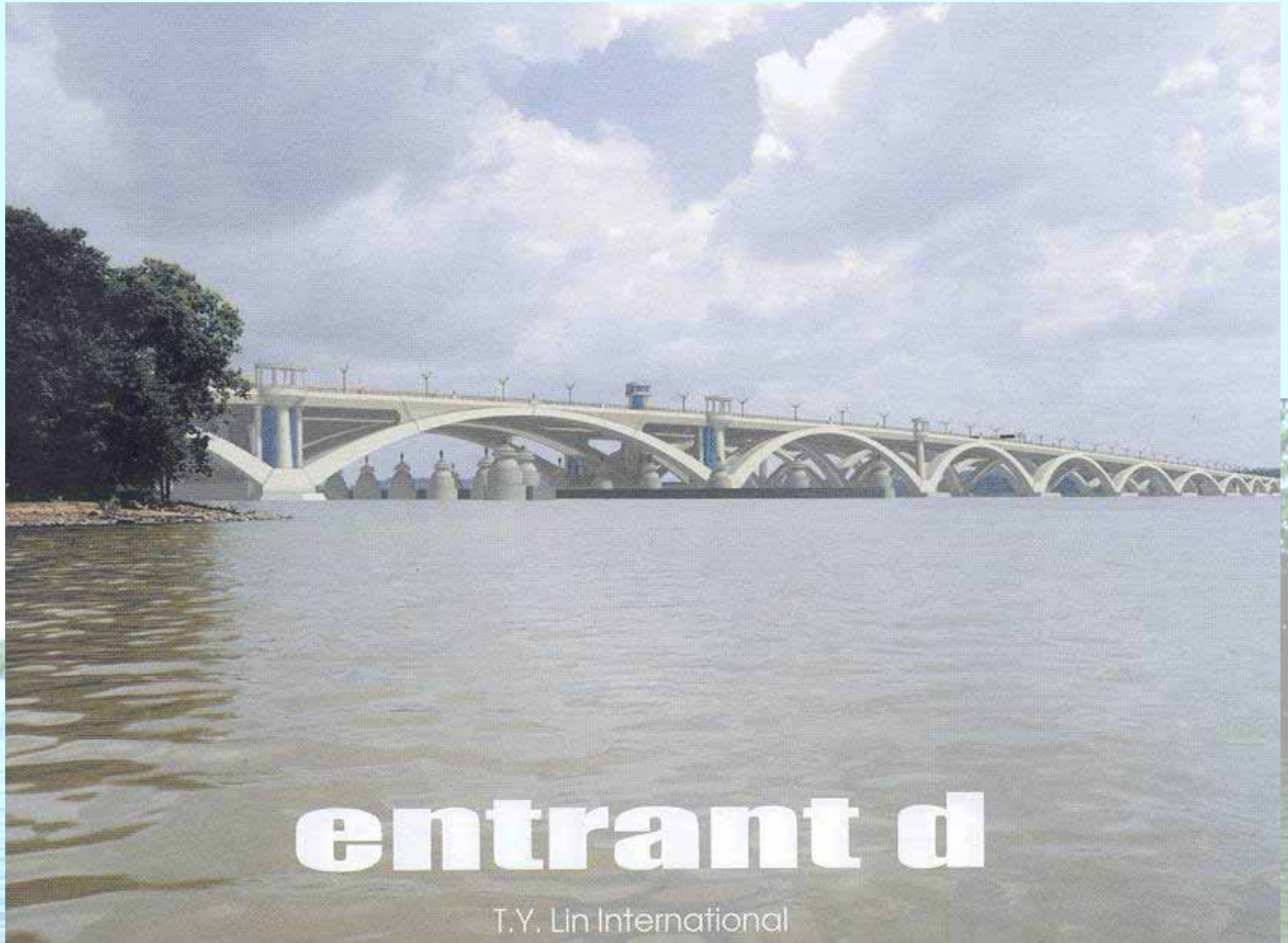
entrant t

HNTB Corporation

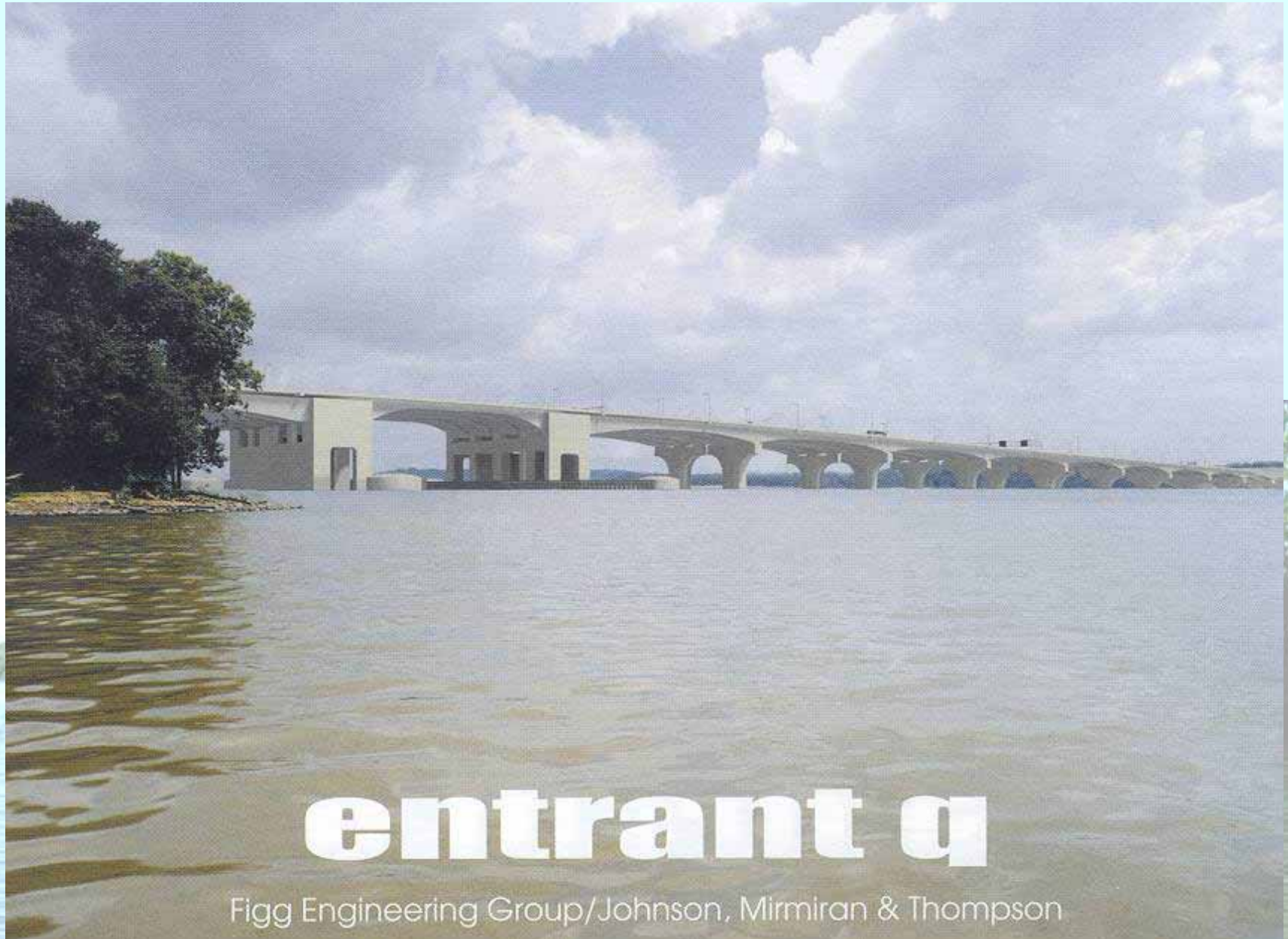
Design Contest



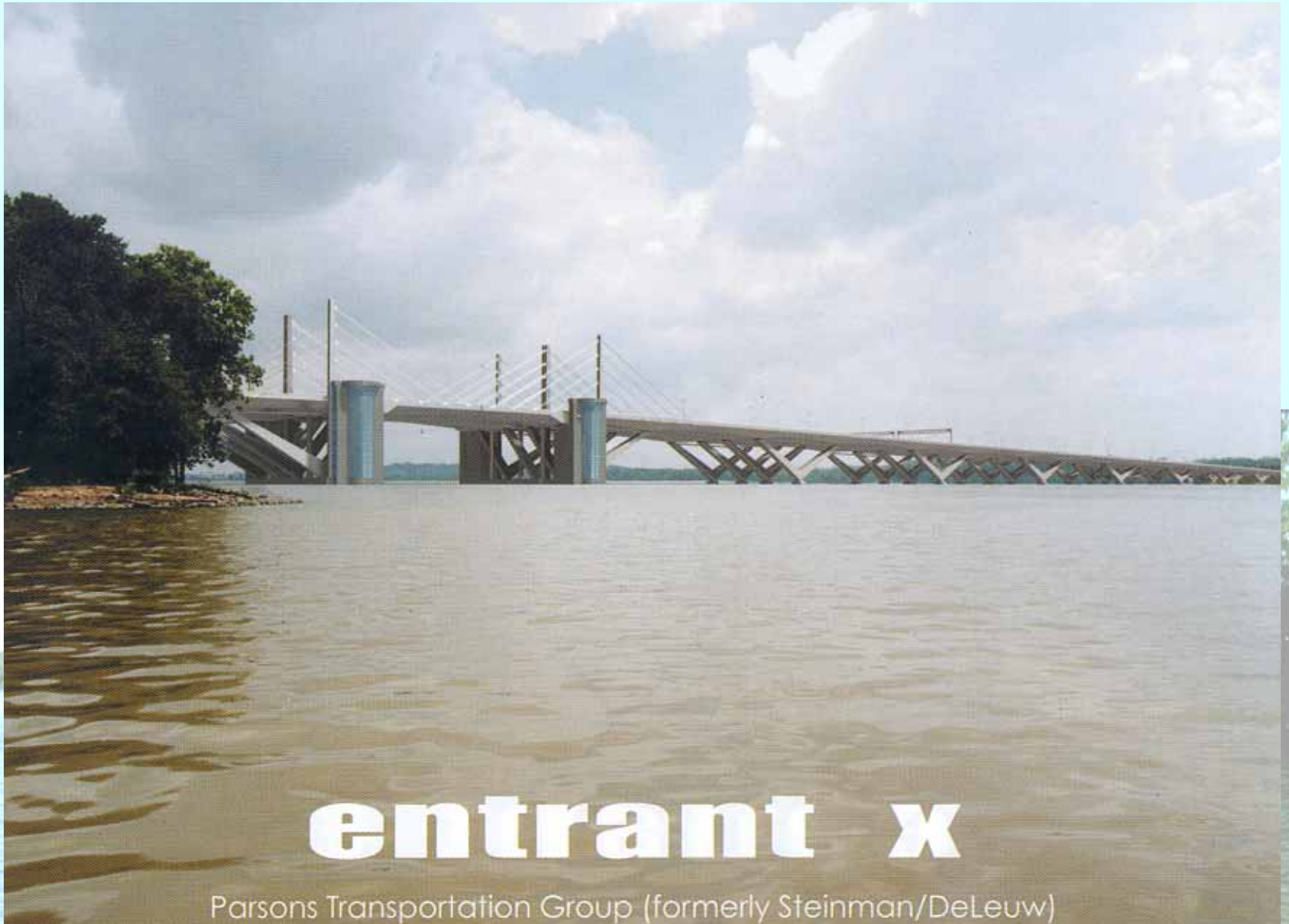
Design Contest



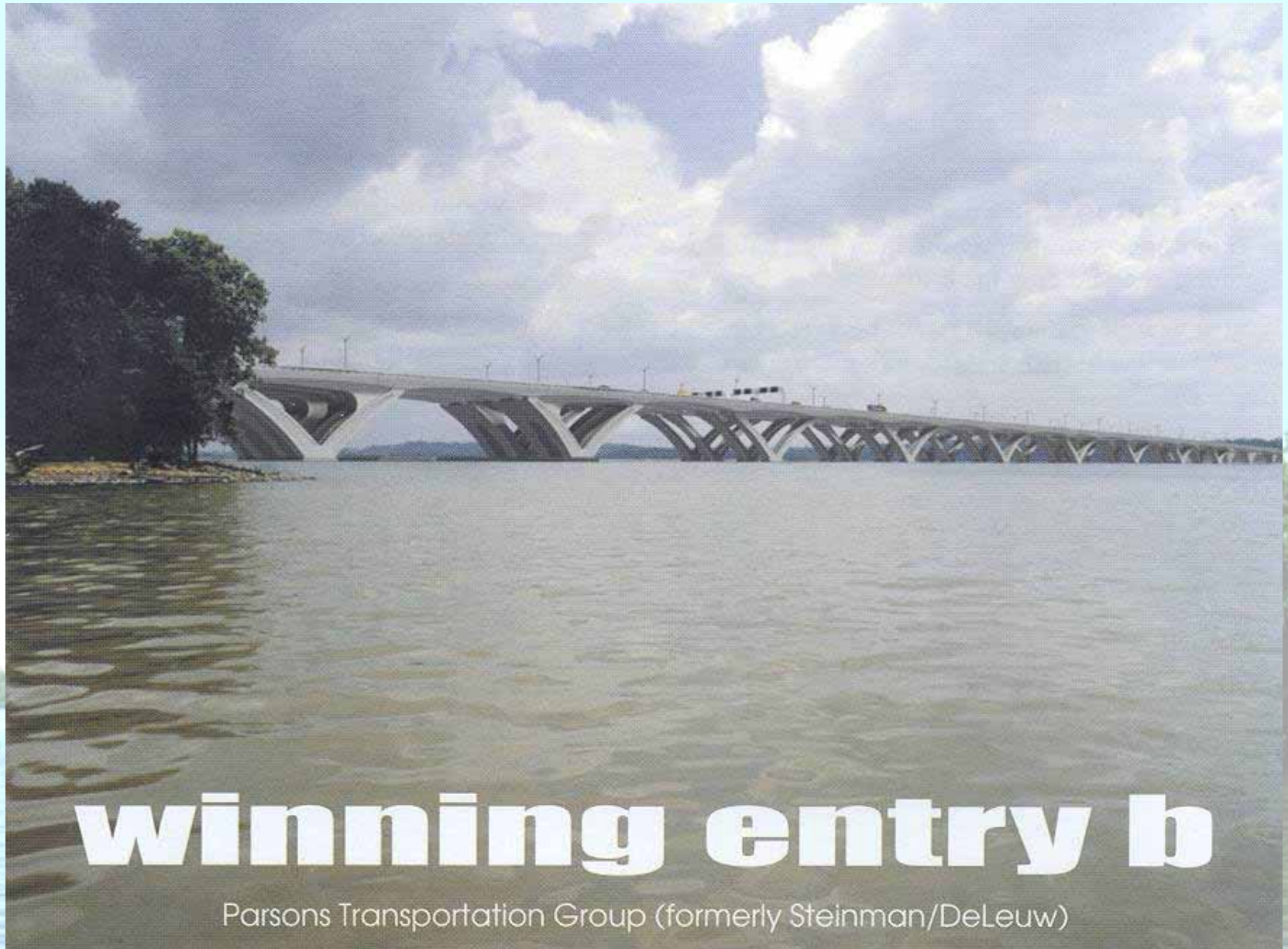
Design Contest



Design Contest



Design Contest



Design Contest



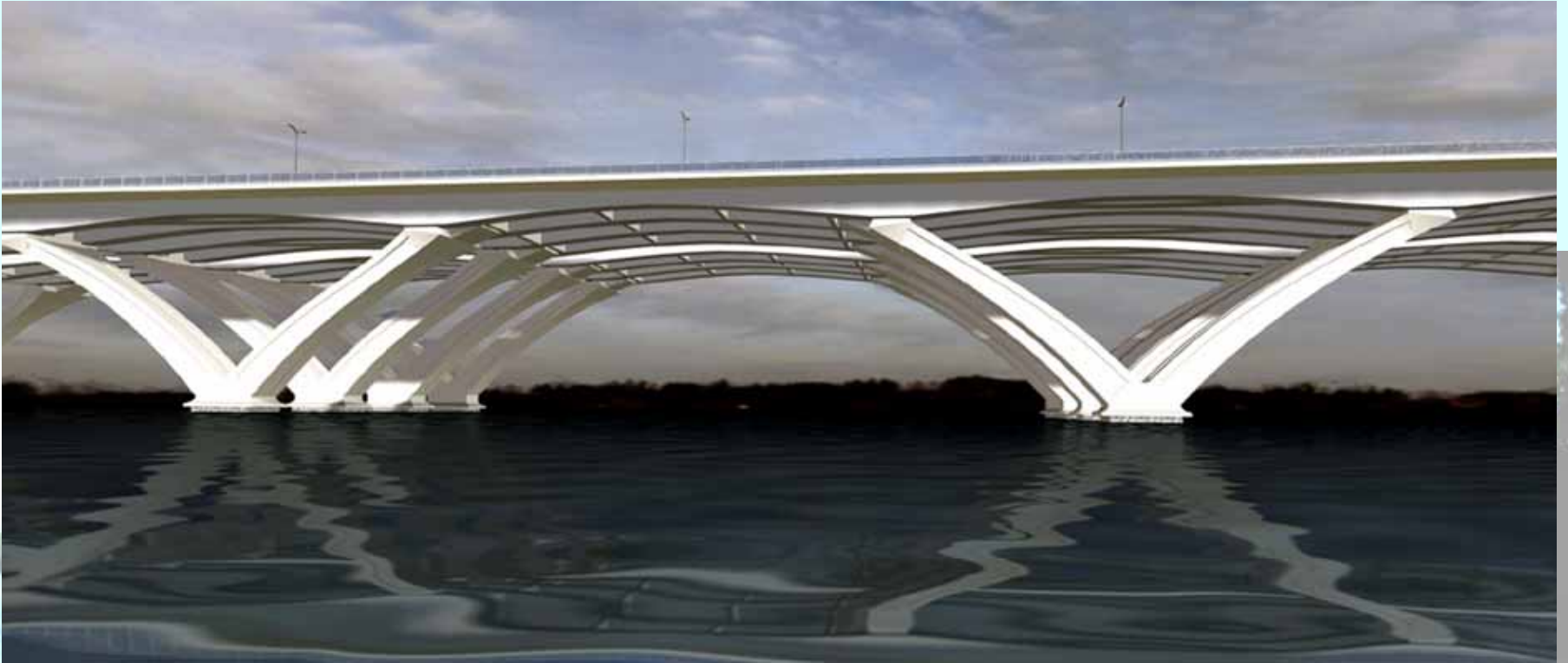
Design Contest



Design Contest



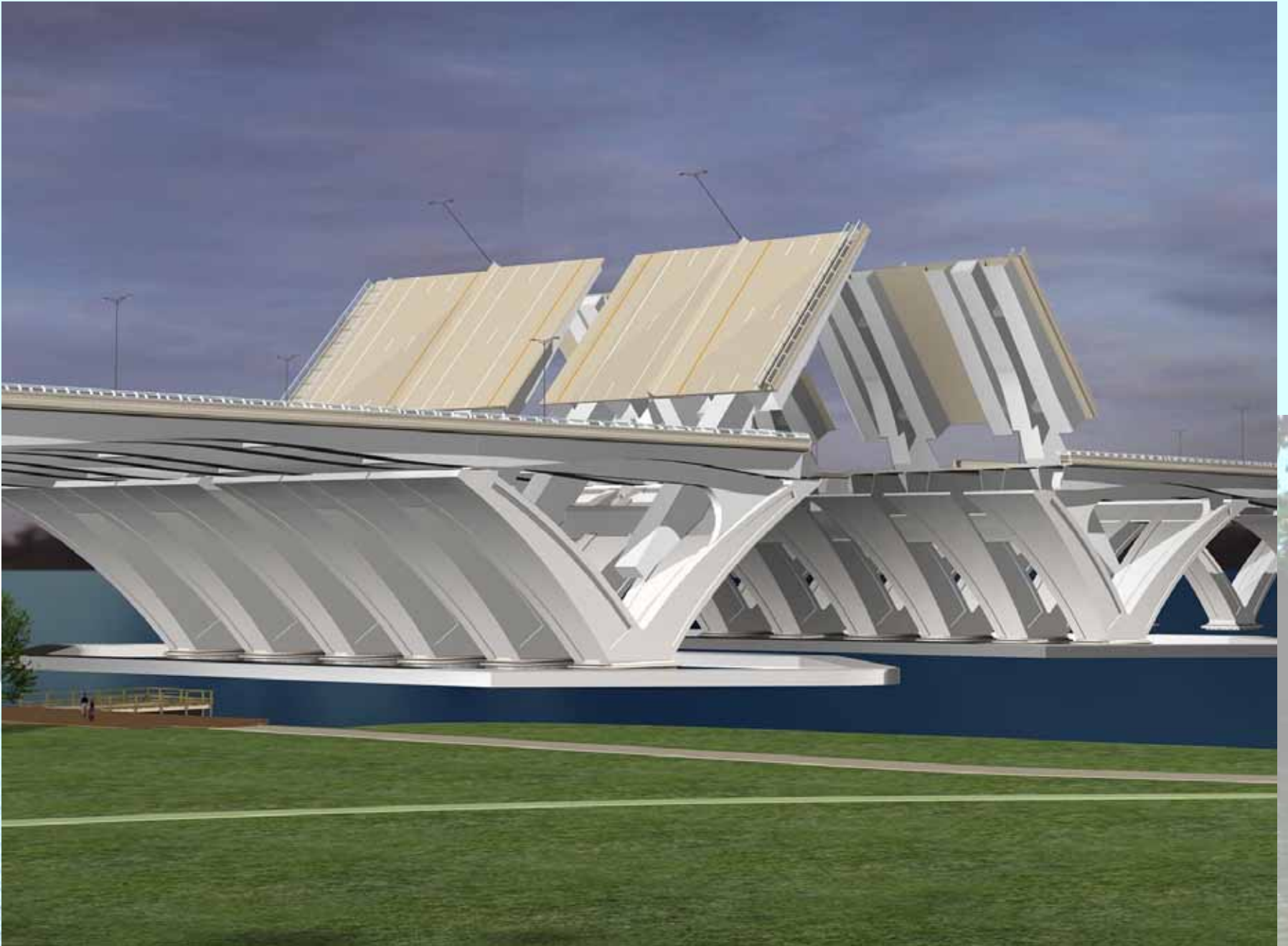
Design Contest



Design Contest



Design Contest



Design Contest



General Engineering Consultant Potomac Crossing Consultants

- Joint Venture
 - Parsons Brinckerhoff (Lead)
 - URS Corporation
 - Rummel Klepper & Kahl



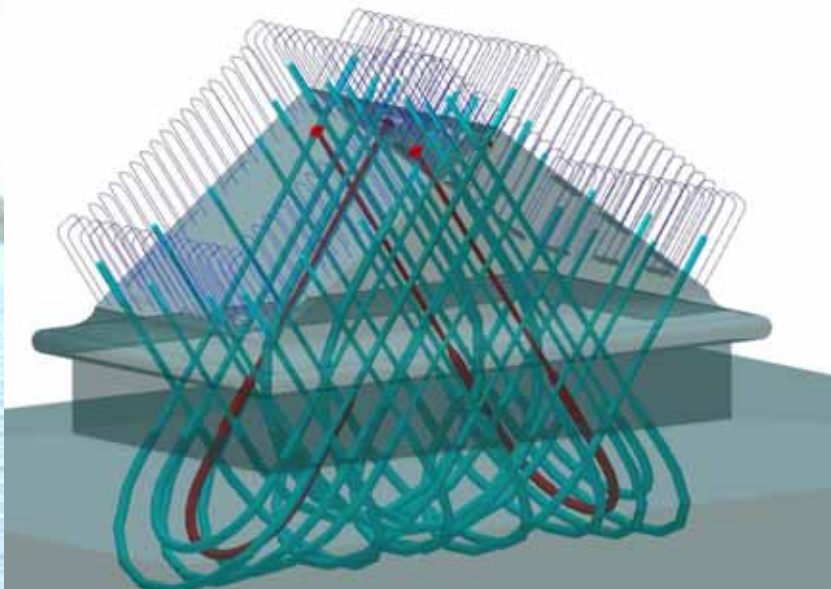
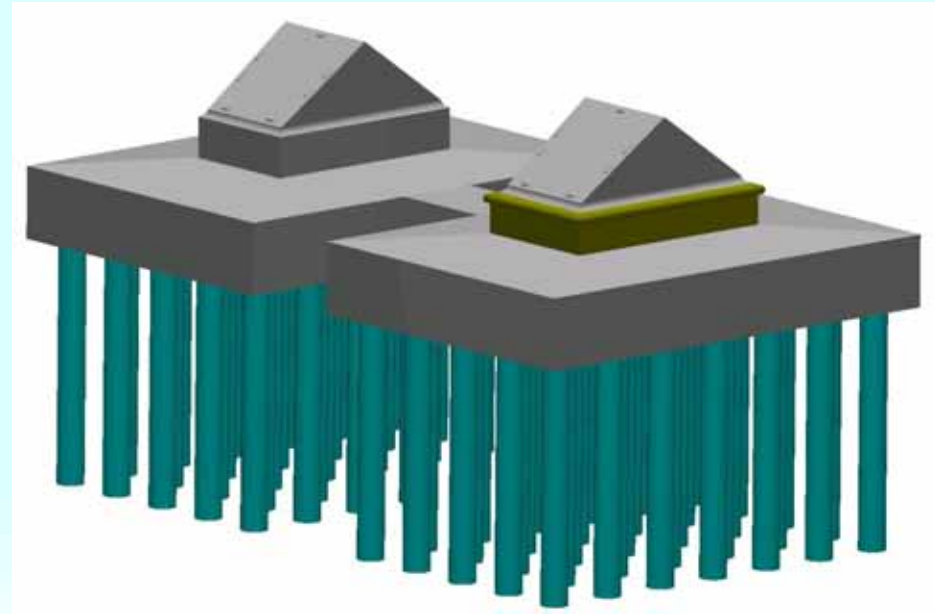
BR-1 Dredging Operation

- 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



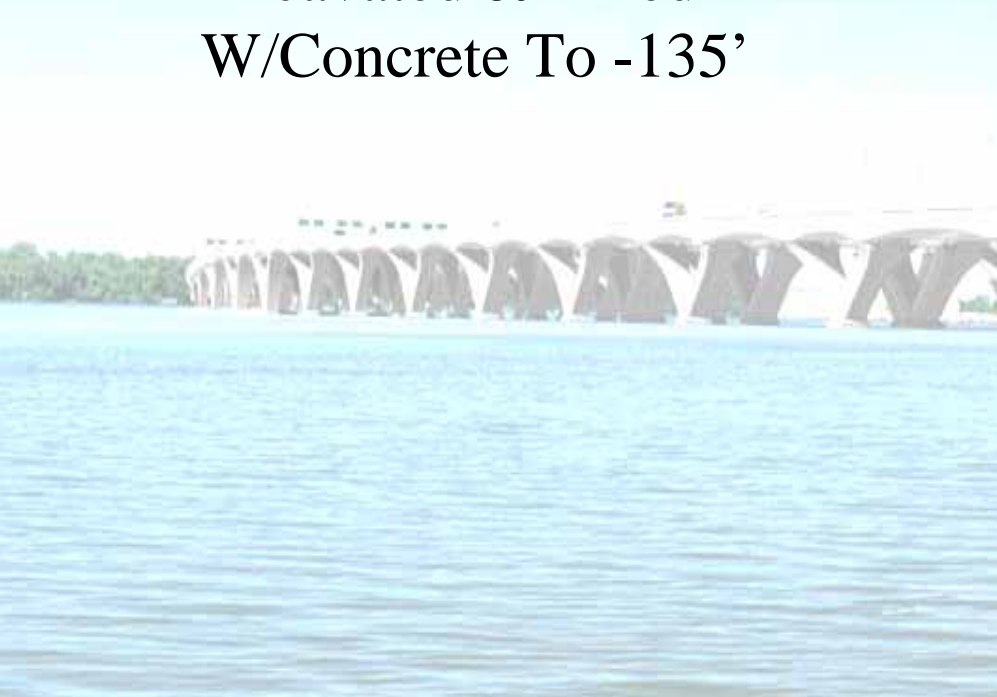
BR-2 Foundations Contract

- 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



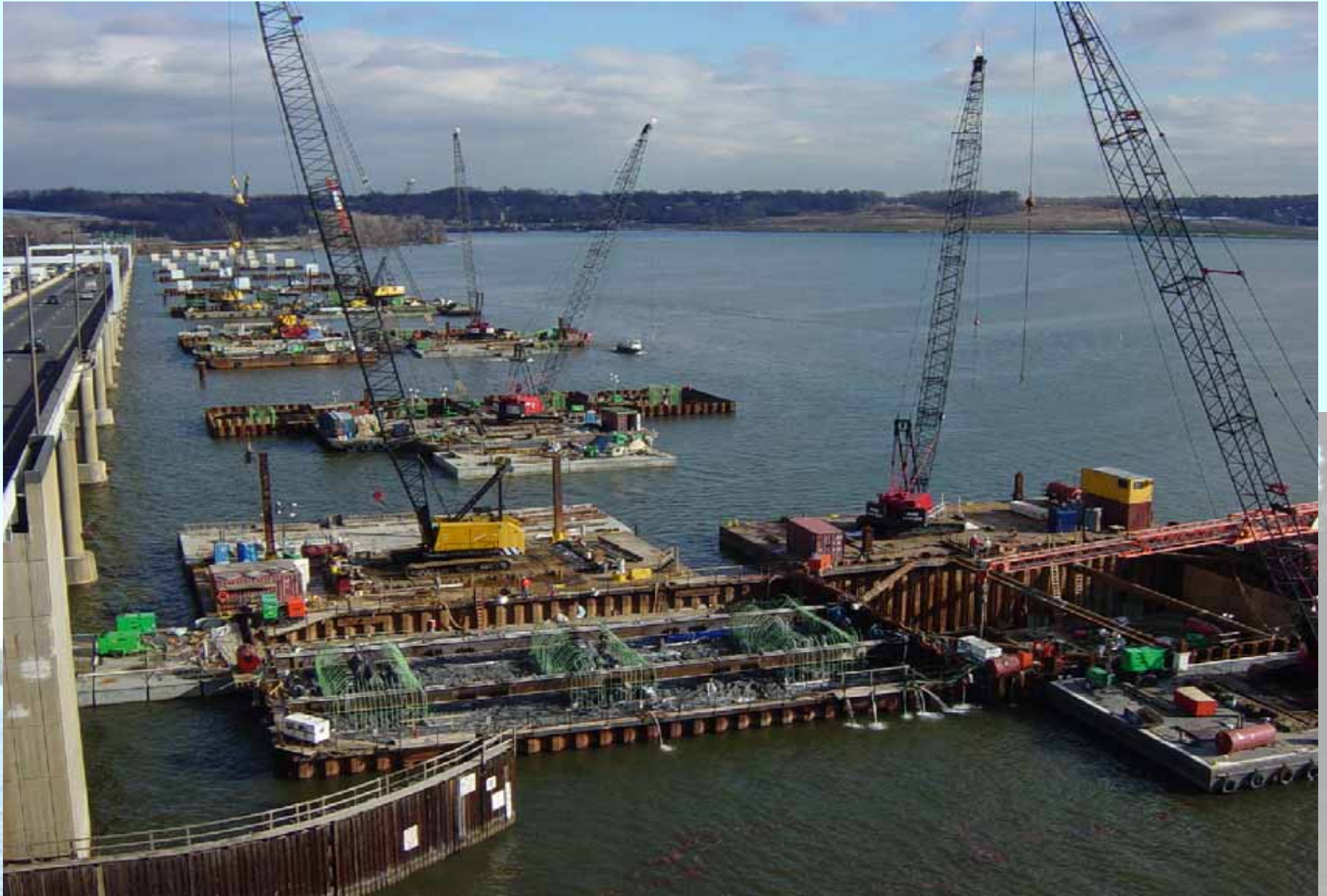
BR-2 Foundations Contract

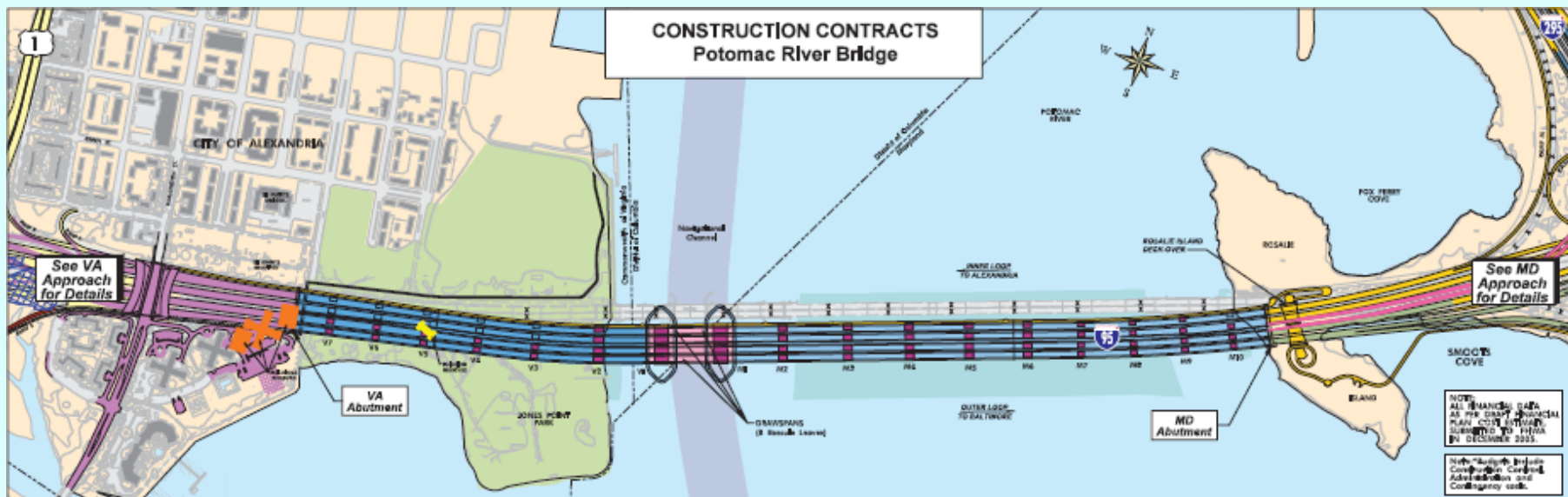


BR-2 Foundations Contract



BR-2 Foundations Contract





Bridge SDC: Parsons Transportation Group

<p>BR-1 Dredging</p> <p>PG 3405173 (MDE - N/A)</p> <p>ADVER 9-23-00A OPEN 9-24-00A NTP 10-26-00A COMPLETE 3-10-01A CONSTR BUDGET \$16.0M* CONTRACTOR: WEEKS MARINE</p> <p>COMPLETED</p> <p><u>CRITICAL DATES</u> Dredging only permitted between October 15 and February 14</p> <p><u>Initial Dredging</u> (323,000 CY) Deposited at Weanock site, in VA</p>	<p>BR-2 Foundations</p> <p>PG 3415173 (MDE 01-SF-0284)</p> <p>ADVER 2-22-01A OPEN 3-22-01A NTP 5-27-01A COMPLETE 7-1-03A CONSTR BUDGET \$146.0M* CONTRACTOR: HERRICK/CLARK</p> <p>COMPLETED</p> <p><u>CRITICAL DATES</u> Every foundation had a completion date</p> <p><u>Foundations</u> 100% Outer / 75% Inner Loops 114,000 LF of Steel Pipe Piles (4' to 6' Dia.) 11,000 LF of Concrete Piles (24" x 24") 113,500 CY Concrete (103,900 CY of Dredging)</p>	<p>BR-3A Bascule Spans</p> <p>PG 3455173R (MDE 02-EX-0017)</p> <p>ADVER 7-5-02A OPEN 11-2-02A NTP 2-21-03A COMPLETE 8-15-08 CONSTR BUDGET \$224.0M* CONTRACTOR: AMERICAN BRIDGE / KRAMER</p> <p>55% COMPLETED</p> <p><u>CRITICAL DATES</u> Should traffic to New Outer Loop Bridge mid-2006 Should traffic to New Inner Loop Bridge by mid-2008</p> <p>Bascule Piers, Superstructure, Operator's House and Some Demolition of Existing Bridge 38,800 CY of Concrete 14,105,000 Lbs Structural Steel 8,000,000 Lbs Rebar</p>	<p>BR-3B Virginia Approach Spans</p> <p>PG 5175173 (MDE N/A)</p> <p>ADVER 10-15-02A OPEN 2-13-03A NTP 4-22-03A COMPLETE 8-15-08 CONSTR BUDGET \$236.2M* CONTRACTOR: GRANITECORIAN</p> <p>49% COMPLETED</p> <p><u>CRITICAL DATES</u> Should traffic to New Outer Loop Bridge mid-2006 Should traffic to New Inner Loop Bridge by mid-2008</p> <p>Piers, Superstructure, Inner Loop Foundations in Jones Point Park, and some demolition of Existing Bridge 11,400 CY Concrete 27,300,000 Lbs Structural Steel 5,800,000 Lbs Rebar</p>	<p>BR-3C Maryland Approach Spans</p> <p>PG 5155173 (MDE 02-SF-0020)</p> <p>ADVER 1-1-03A OPEN 5-1-03A NTP 6-13-03A COMPLETE 12-1-08 F.P. BUDGET \$230.4M* CONTRACTOR: KRAMER / AMERICAN BRIDGE/STUMBULL</p> <p>41% COMPLETED</p> <p><u>CRITICAL DATES</u> Should traffic to New Outer Loop Bridge mid-2006 Should traffic to New Inner Loop Bridge by mid-2008</p> <p>Piers, MD Abutment, Superstructure, Fender Ring and some demolition of Existing Bridge 43,100 CY Concrete 40,003,000 Lbs Structural Steel 11,346,000 Lbs Rebar</p>	<p>Woodrow Wilson Bridge Project</p> <p>POTOMAC CROSSING CONSULTANTS A Division of Hensel Phelps Construction Company, Inc. PHILADELPHIA, PENNSYLVANIA</p> <p>PLAN SCALE</p> <p>1" = 300'</p> <p>0 300' 600' 900'</p> <p>0 0.30 0.60 0.90</p> <p>Date: JANUARY 2006</p> <p>Please forward updates to: dadkins@rkkengineers.com</p>
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BR-3A Bascule Spans



BR-3A Bascule Spans



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



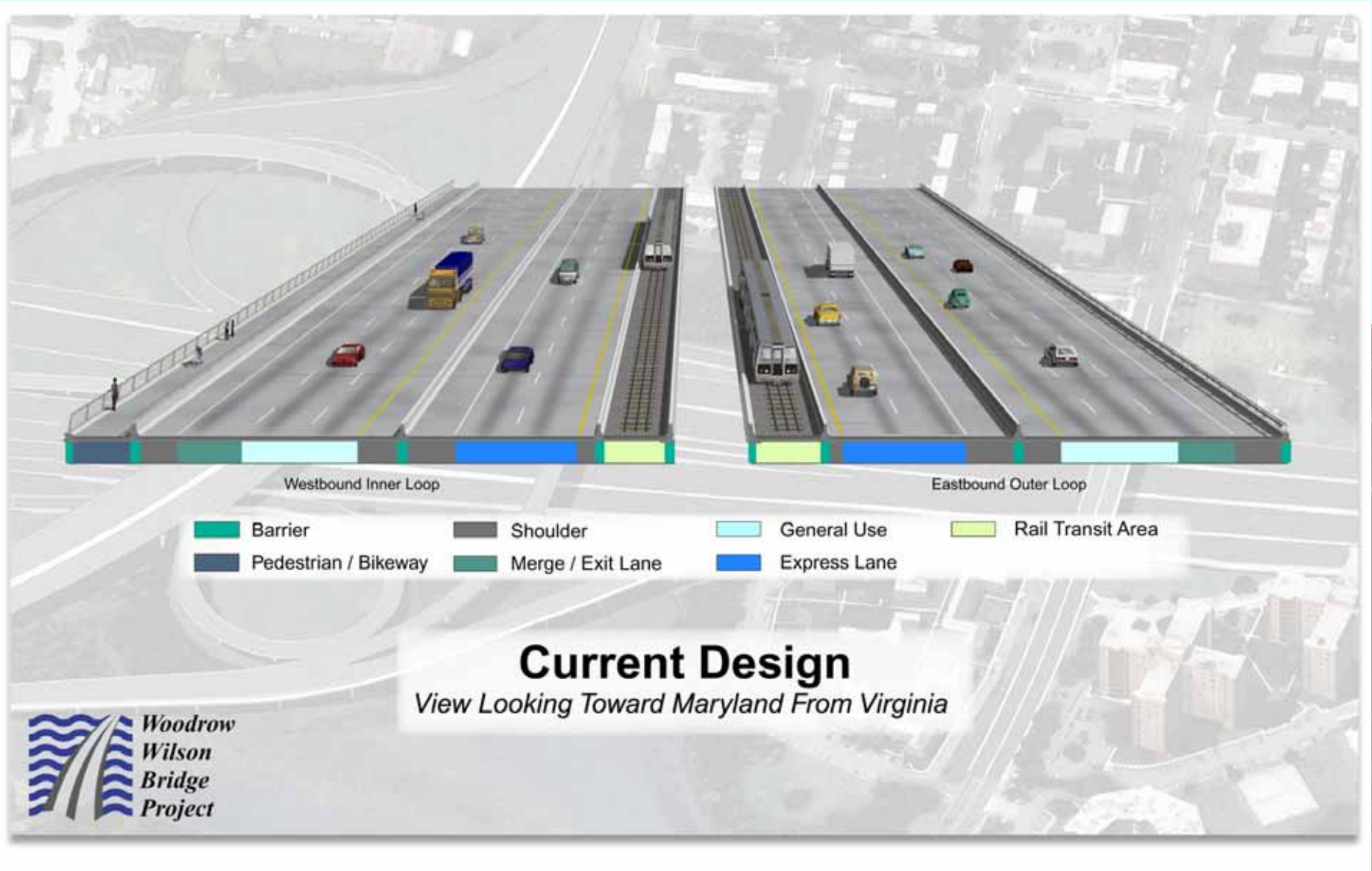
BR-3A Bascule Spans



BR-3B Virginia Fixed Spans



BR-3B Virginia Fixed Spans



BR-3B Virginia Fixed Spans



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



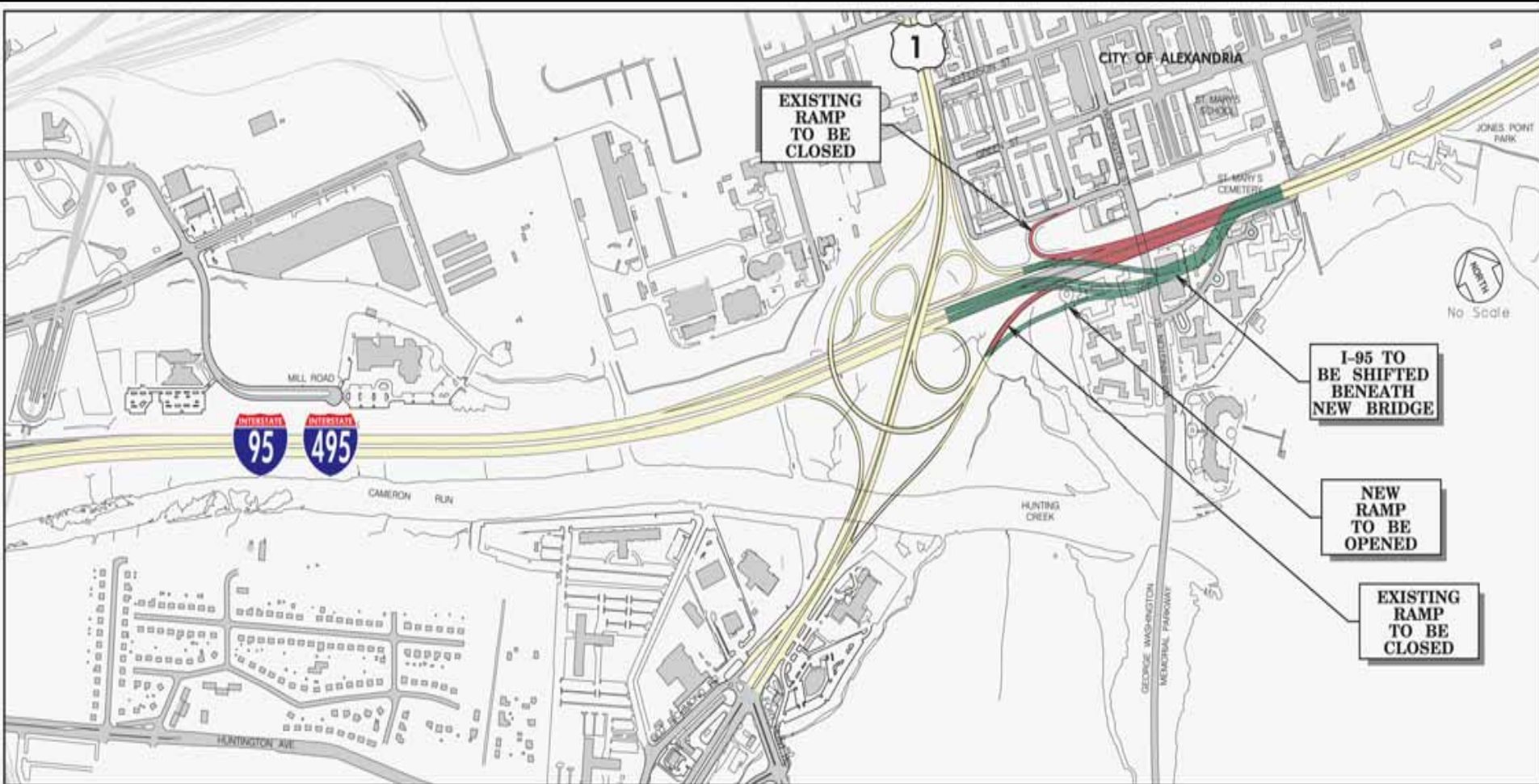
VA-4 Virginia Tie-In Contract



Urban Deck



VA-4 Virginia Tie-In Contract



tu/projects/1997/9173/va/dgn/PressReleaseJan2005_02.dgn

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