



**Route 61 Bridge Replacement
Narrows, Virginia
0061-266-119,R201, C501, B603**

July 16, 2009

Michael A. Russell, PE

Assistant District Administrator, Salem District

Steve Chapin, PE

AECOM Transportation



Route 61 Bridge Replacement

- History & Funding
- Schedule
- Considerations
- Options



Route 61 Bridge Replacement

Project History

- Built in 1952
- Traffic Volume: 5287
- Sufficiency Rating: 9.3
- Structurally Deficient & Functionally Obsolete
- The Bridge is Safe & No Weight Limits



Route 61 Bridge Replacement

Recent Funding History

- Partially Funded in Last Year's Six-Year Plan
- Funding Significantly Reduced in Feb. Update of the '09 SYP
- Identified as a Potential Stimulus Candidate on April 15, 2009
- CTB Approval as a Stimulus Project on May 21, 2009



Route 61 Bridge Replacement

American Recovery and Reinvestment Act (ARRA)

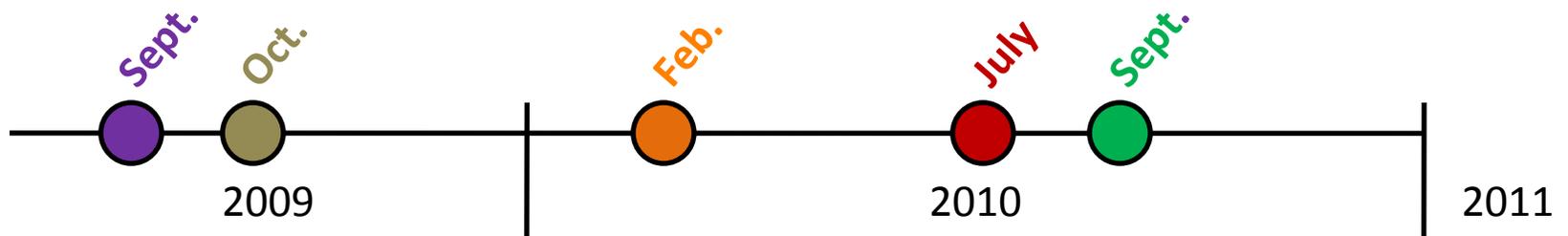
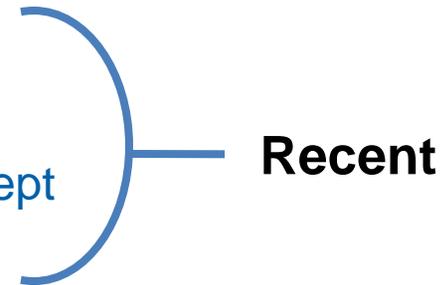
- **\$20 Million Available**
- **Funds Must Be “Obligated” by March 9, 2010**
- **Design-Build Project Delivery Method**
 - Preliminary Plans
 - NEPA (Environmental Document)
 - Public Hearing
 - Chief Engineer Approval
 - Design-Build Contract Development



Route 61 Bridge Replacement

Timeline

- May 21 – CTB approval
- July 1 – AECOM receives survey
- July 10 – AECOM completes proof of concept
- July 16 – Citizen’s Information Meeting
- **July thru October – Preliminary Design**
- **September '09 – Request for Design-Build Firm Qualifications**
- **October '09 – Public Hearing**
- **February '10 – Request for Design-Build Proposals (Obligation)**
- **July '10 – CTB Award**
- **September '10 – Begin Final Design**



Route 61 Bridge Replacement

Considerations

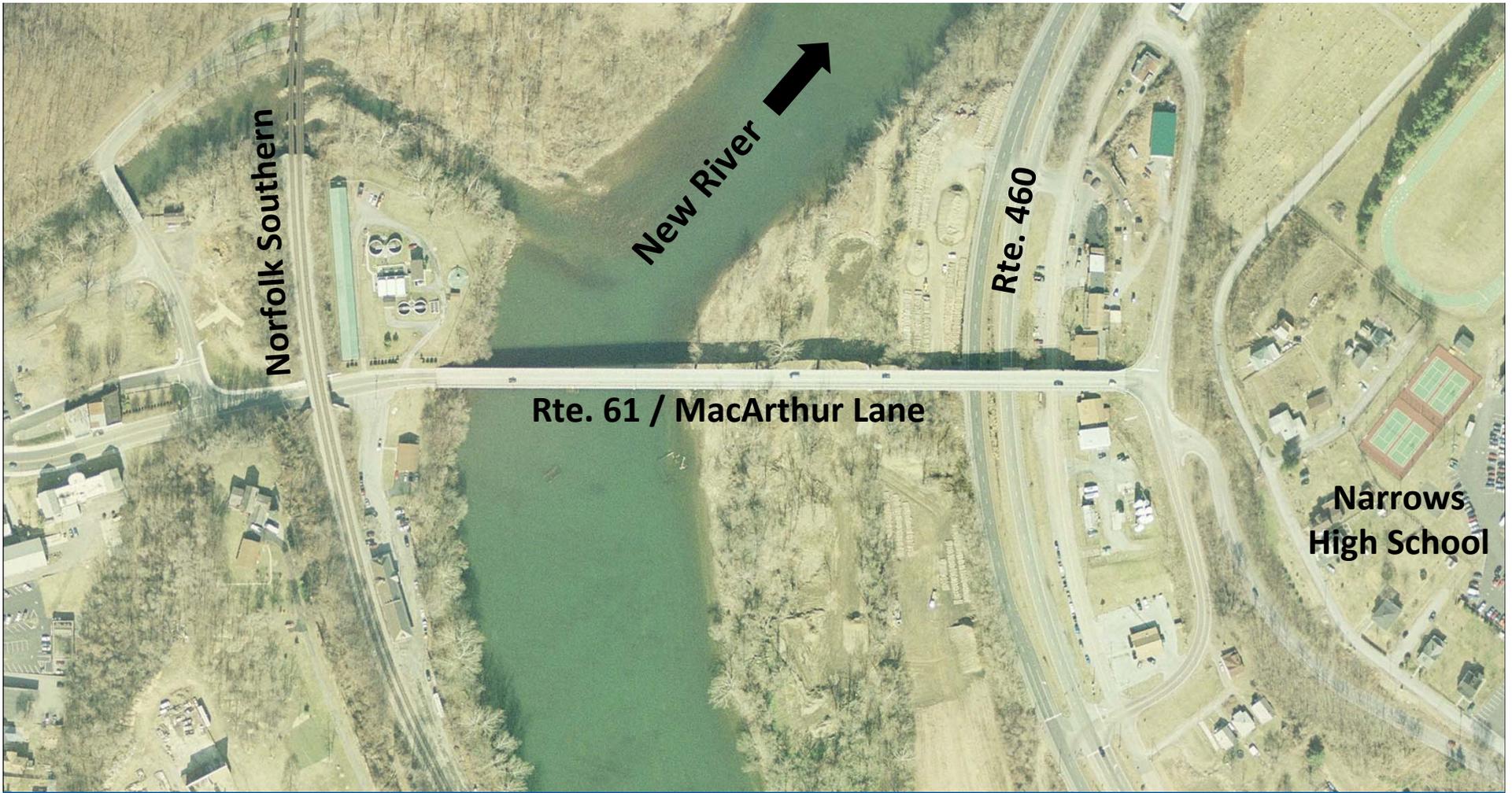
- Environmental
- Right of Way
- Constructability
- Maintain Traffic
- Utilities



Route 100 over New River,
Wythe County, VA

Route 61 Bridge Replacement

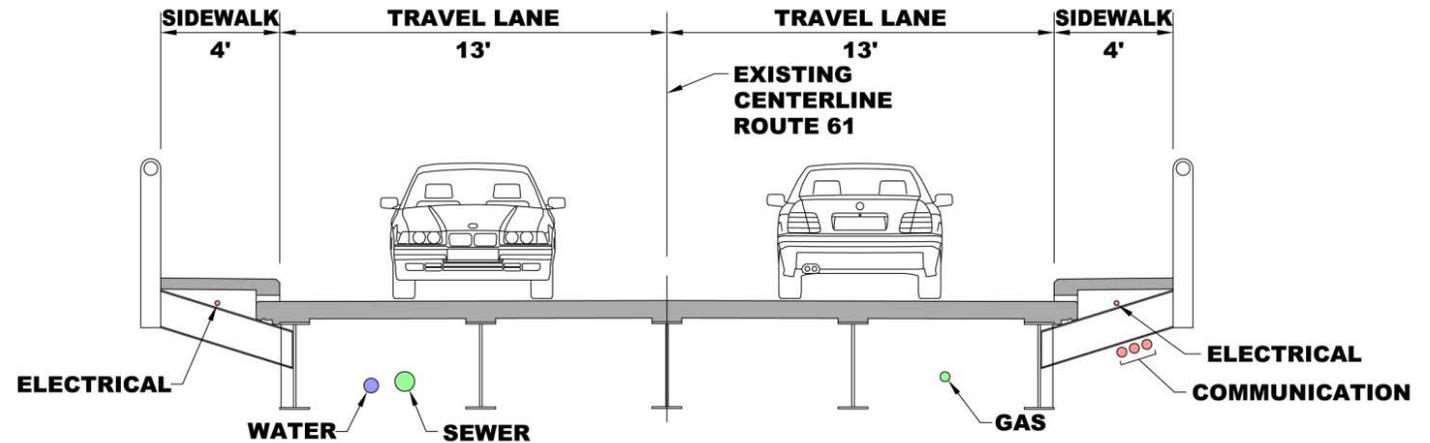
Overview



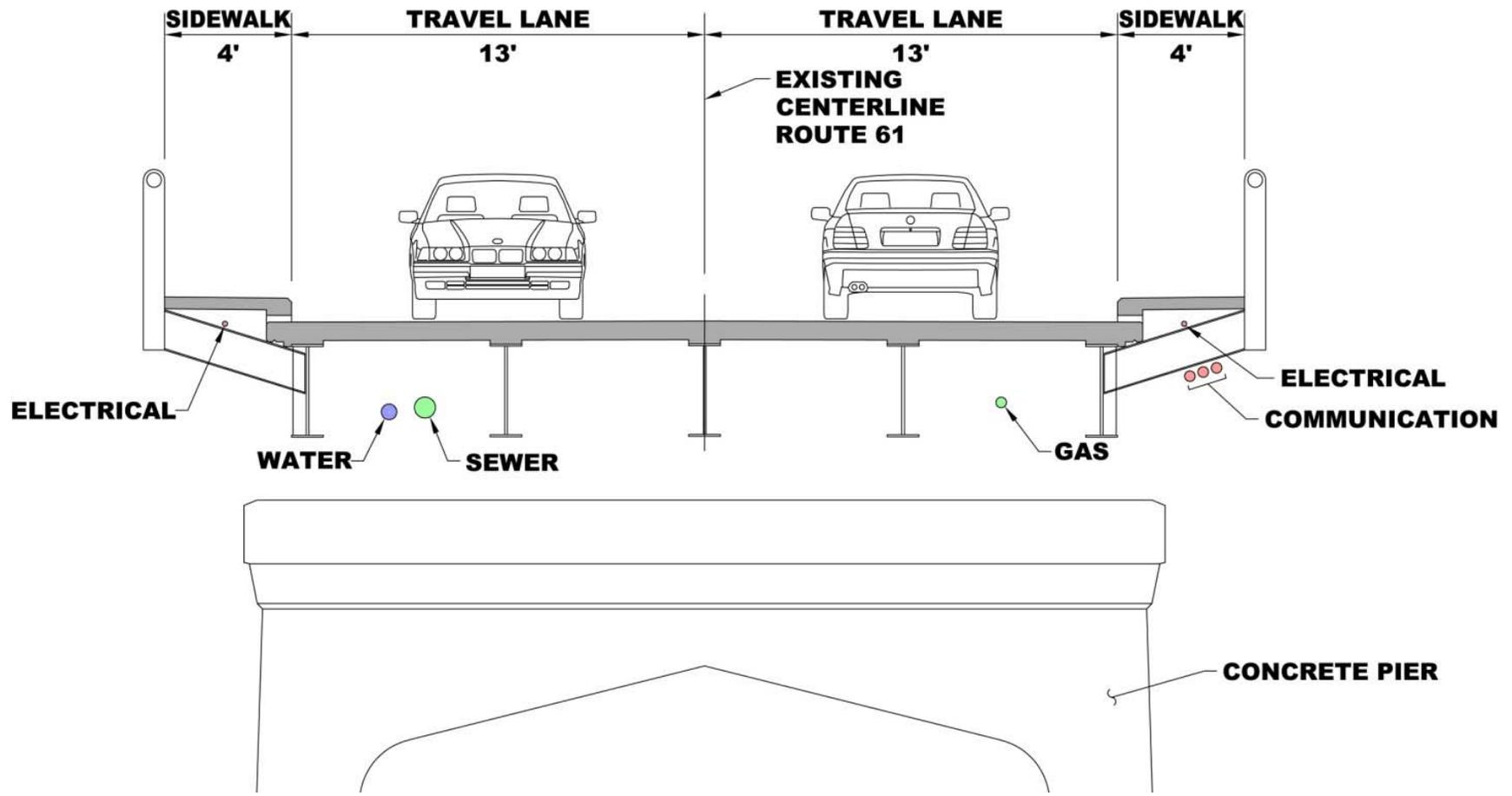
Route 61 Bridge Replacement

Utilities

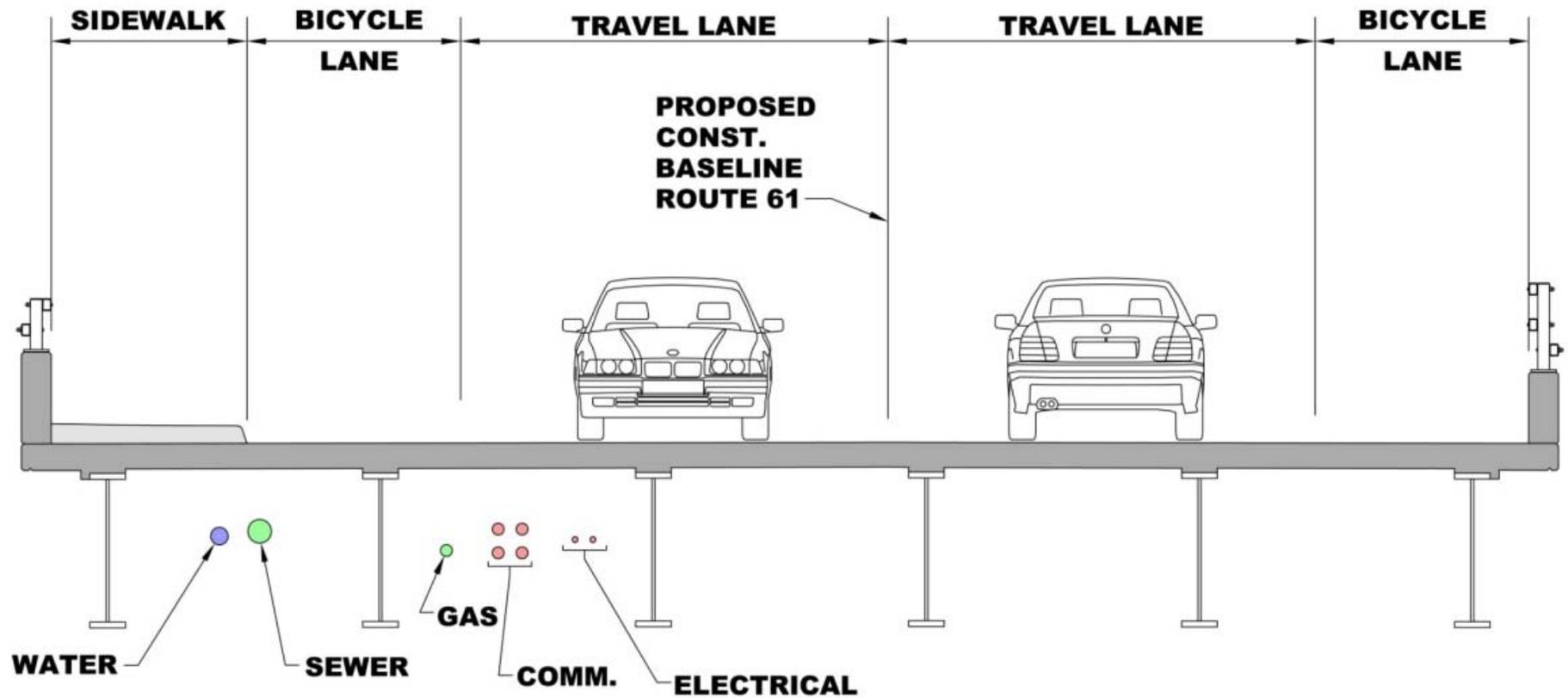
- Electrical
- Water
- Sewer
- Gas
- Communication



Existing Bridge



Final Bridge

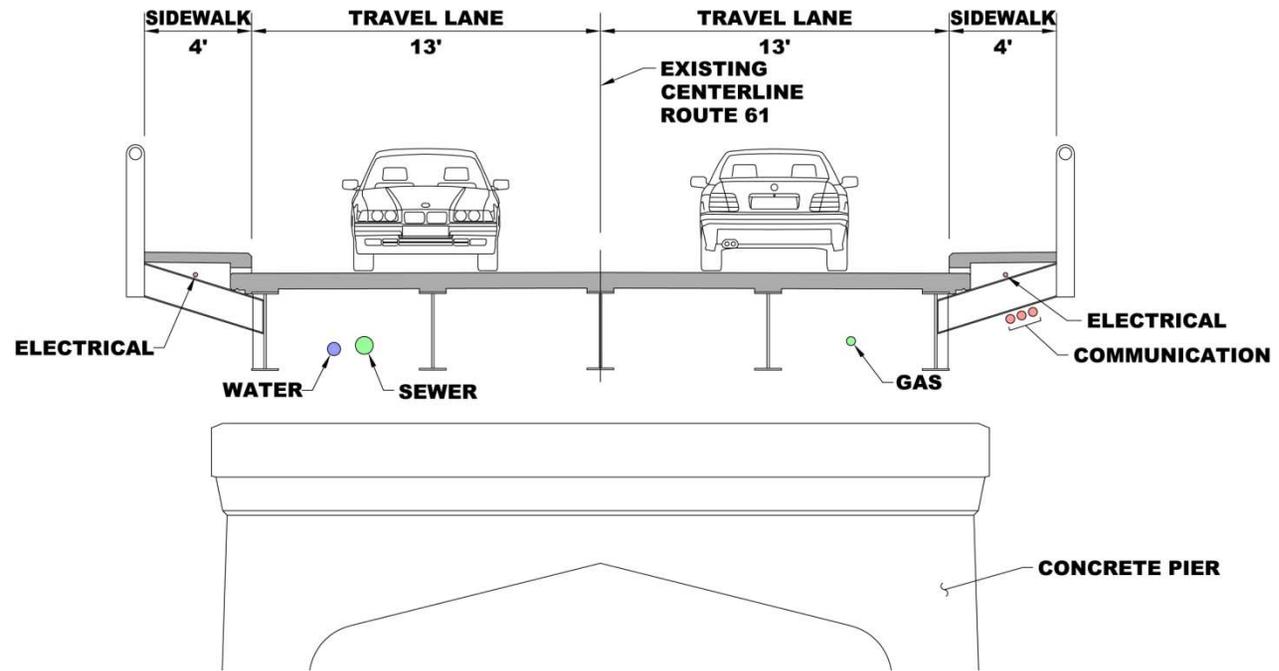


*Light Poles Not Shown

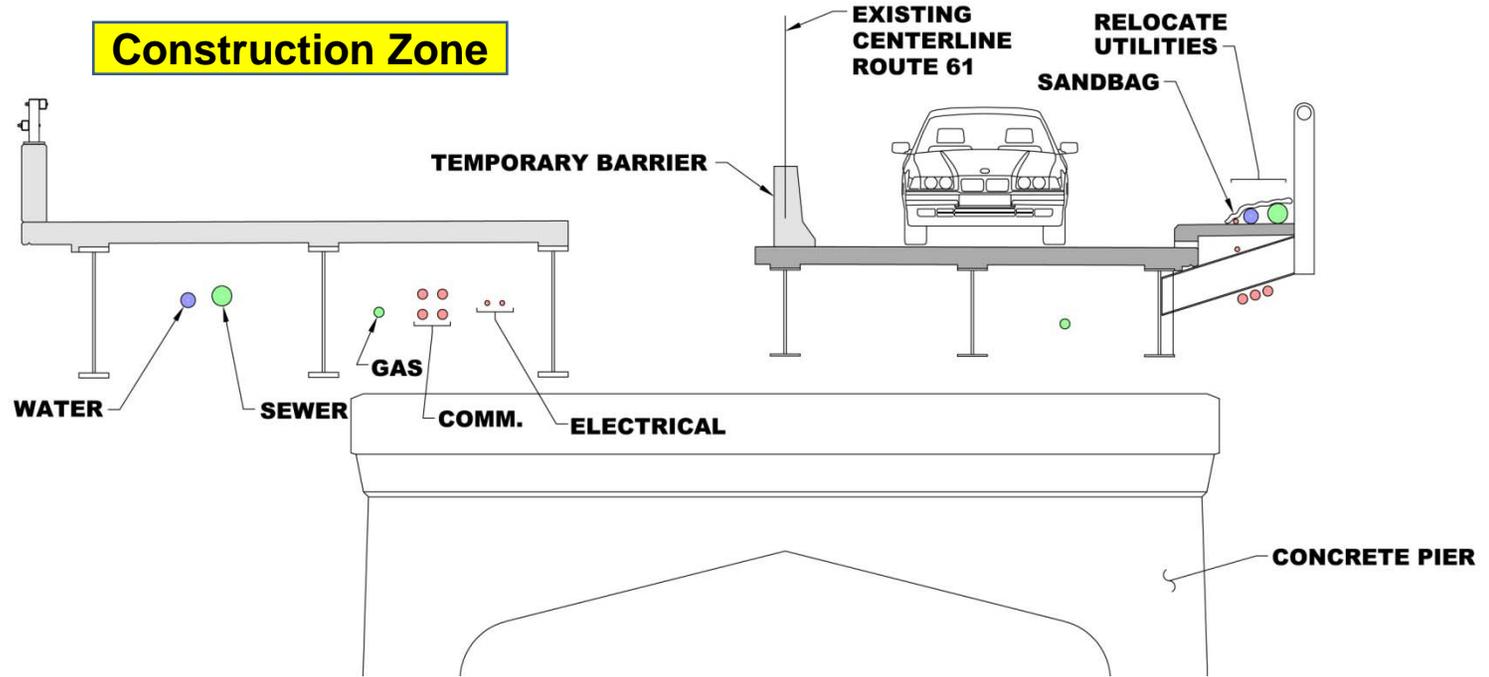
Replacement Options



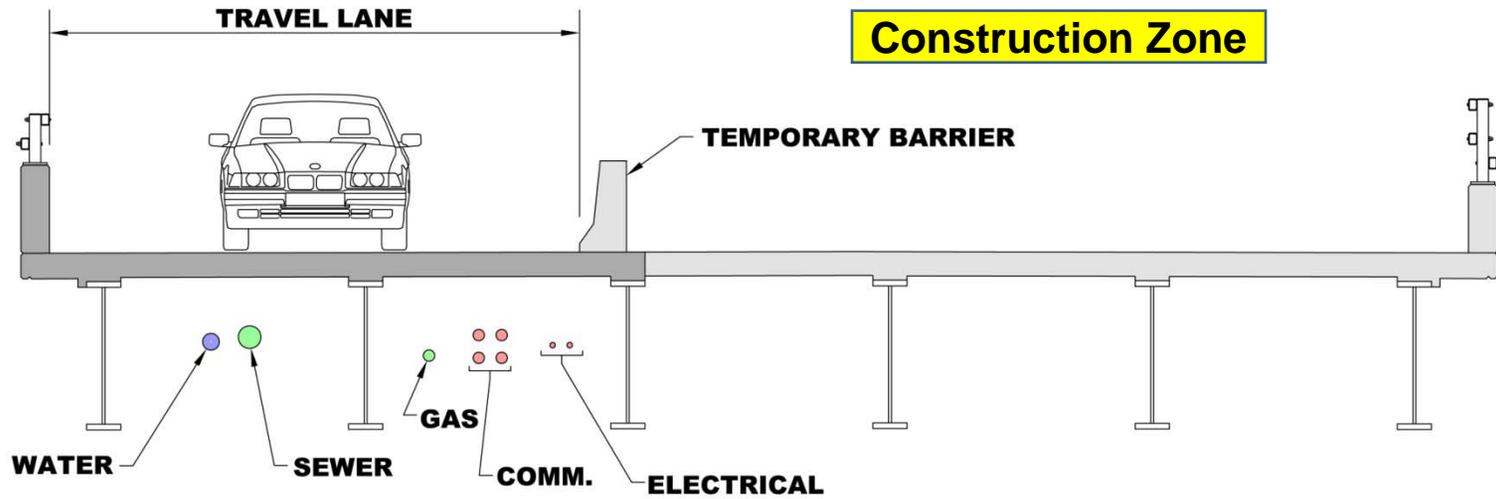
Option 1: Existing



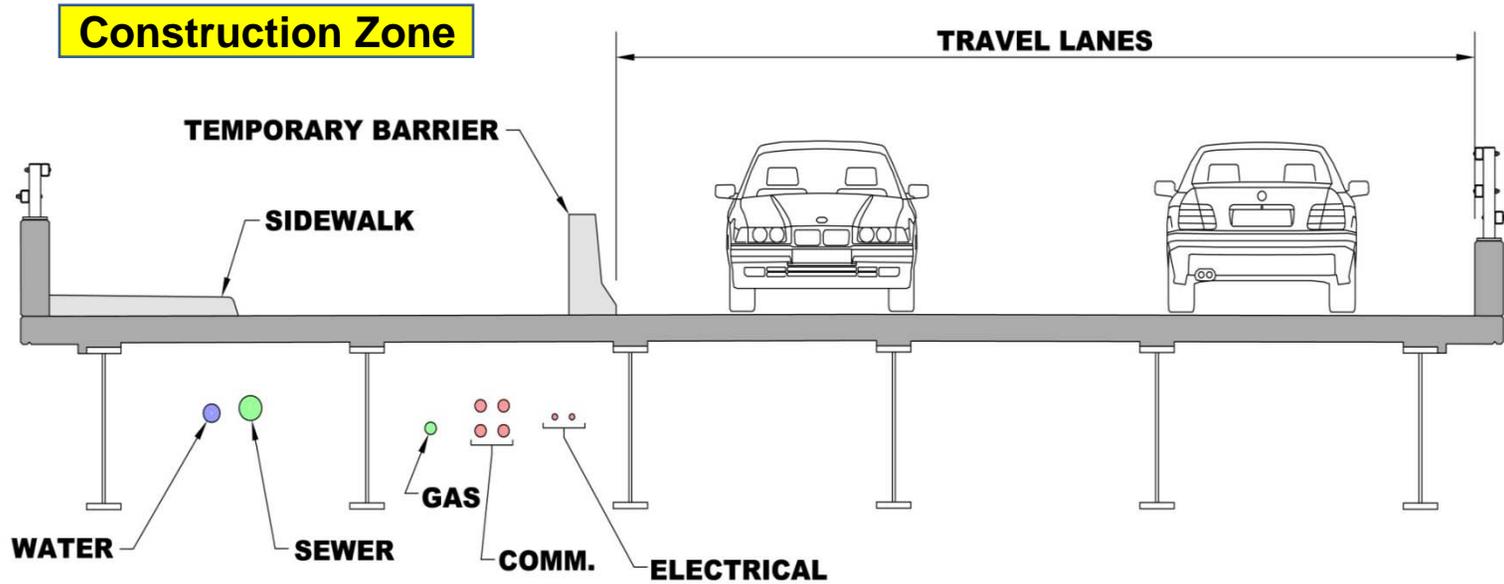
Option 1: Stage I



Option 1: Stage II



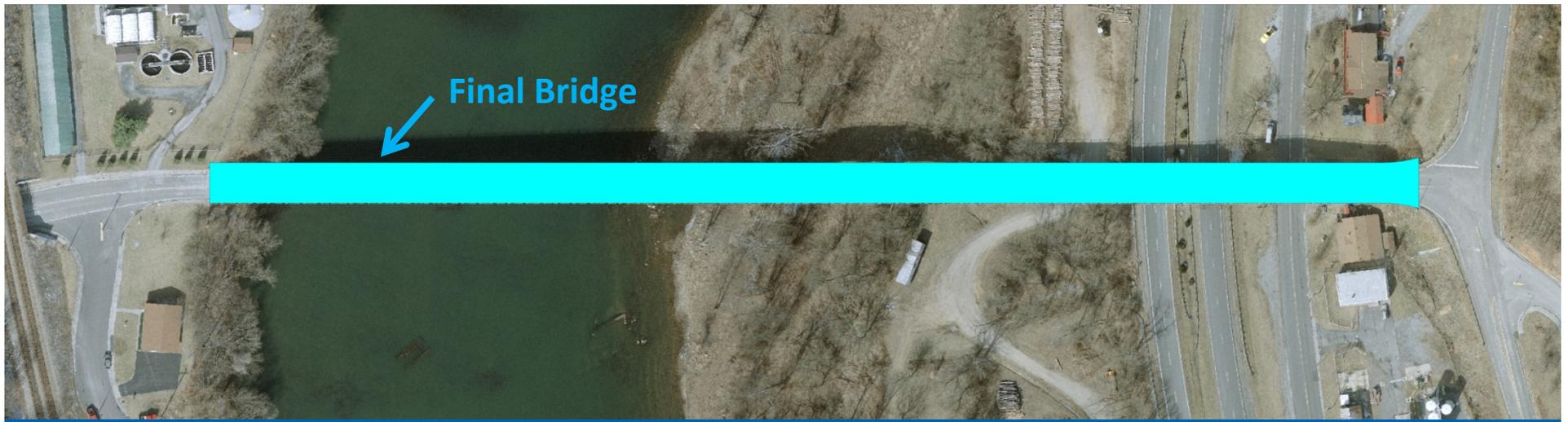
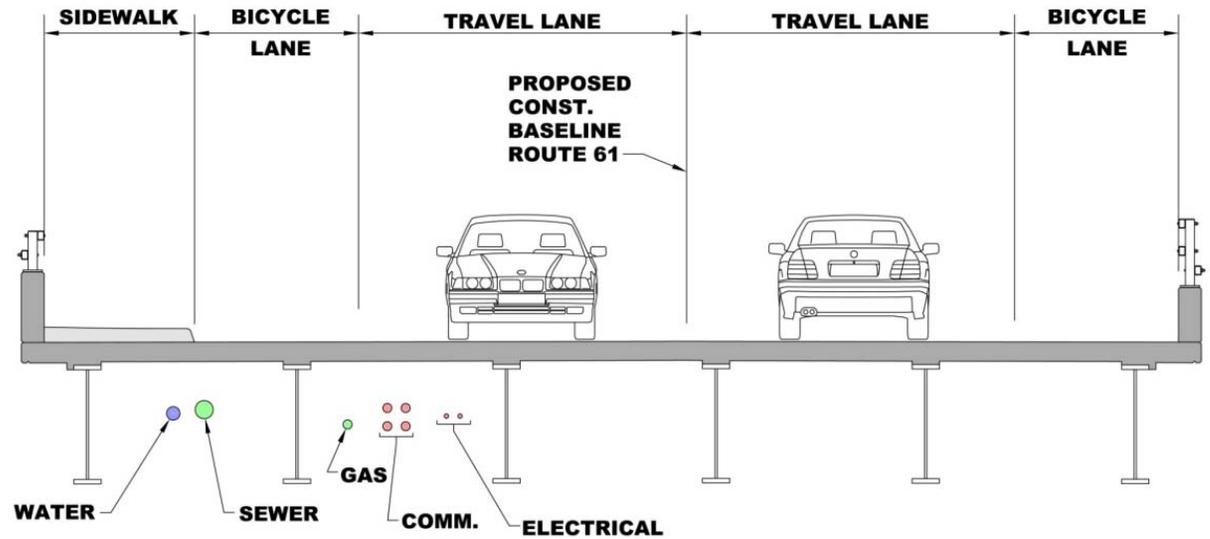
Option 1: Stage III



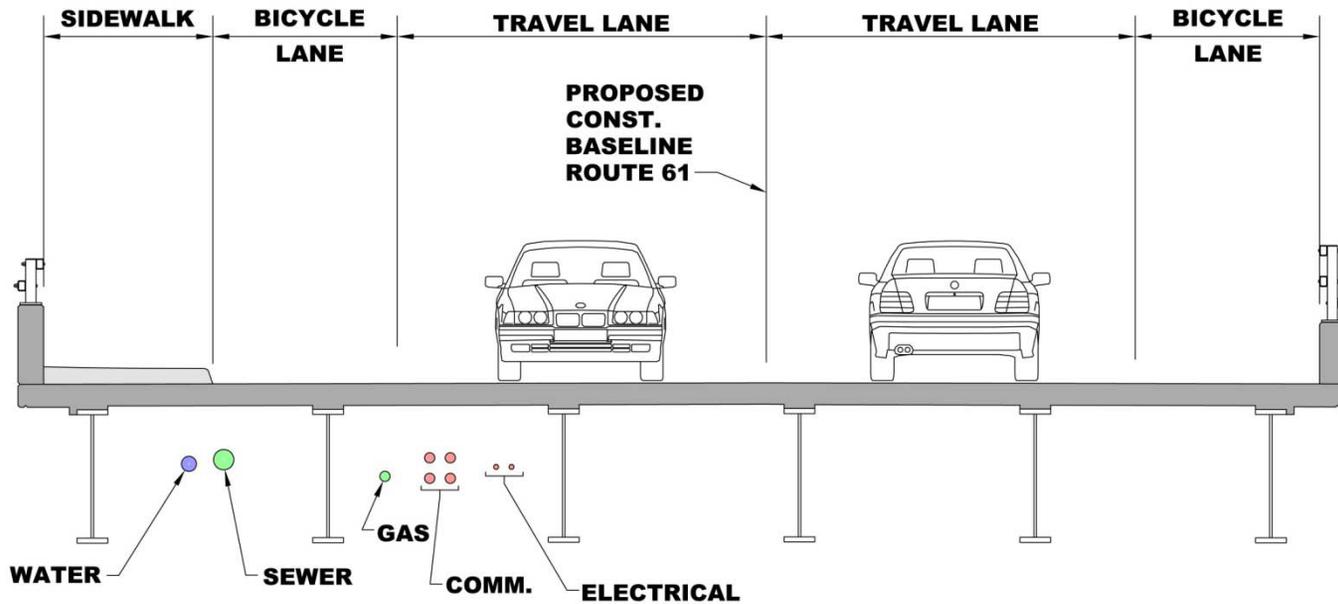
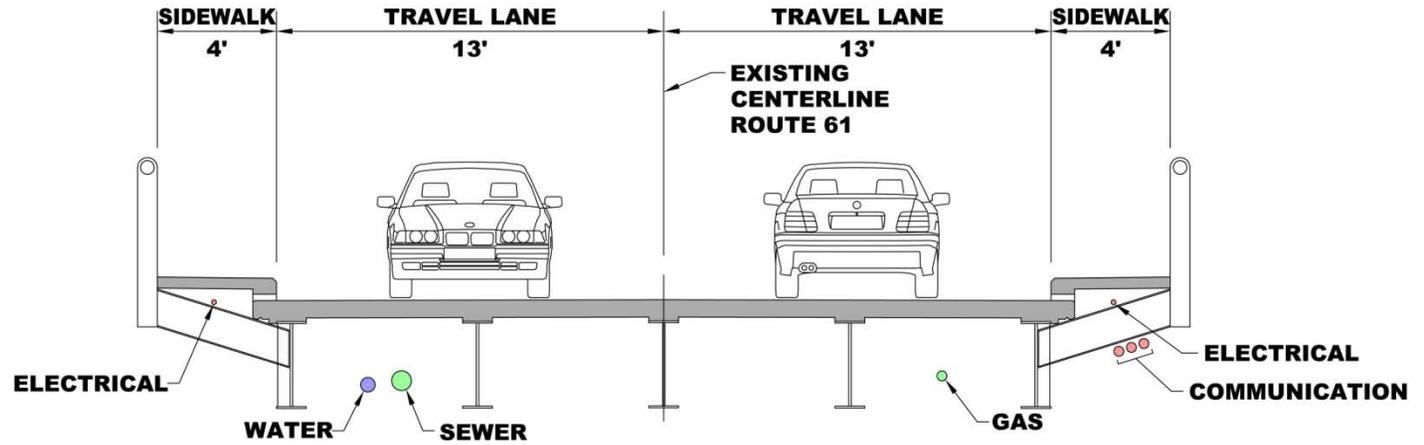
Option 1: Final

Considerations

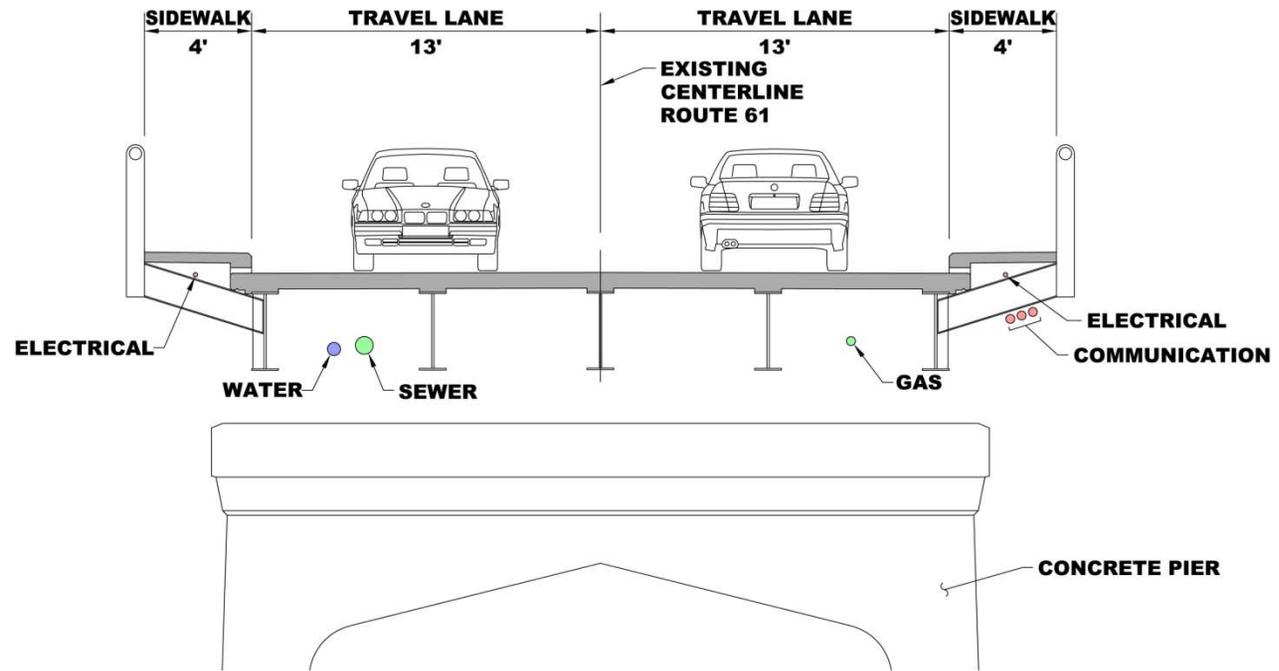
- Maintain Traffic
 - Two-Way Traffic
1-Lane
- Construction Duration
- Utilities
- Right of Way



Existing & Final Bridge

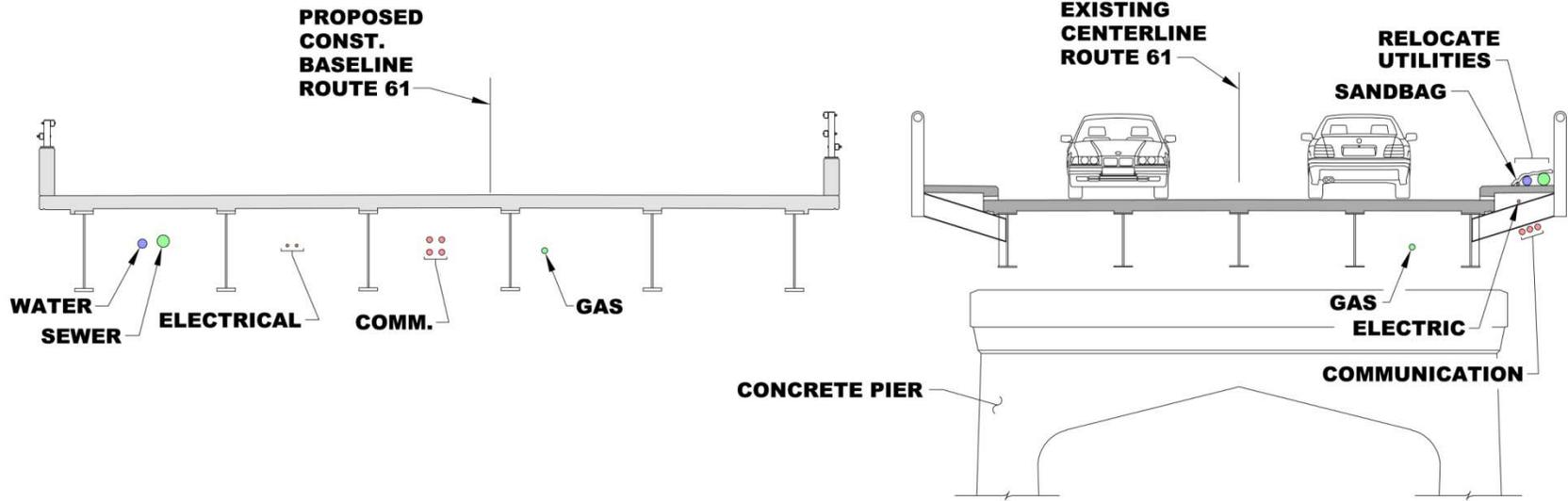


Option 2: Existing

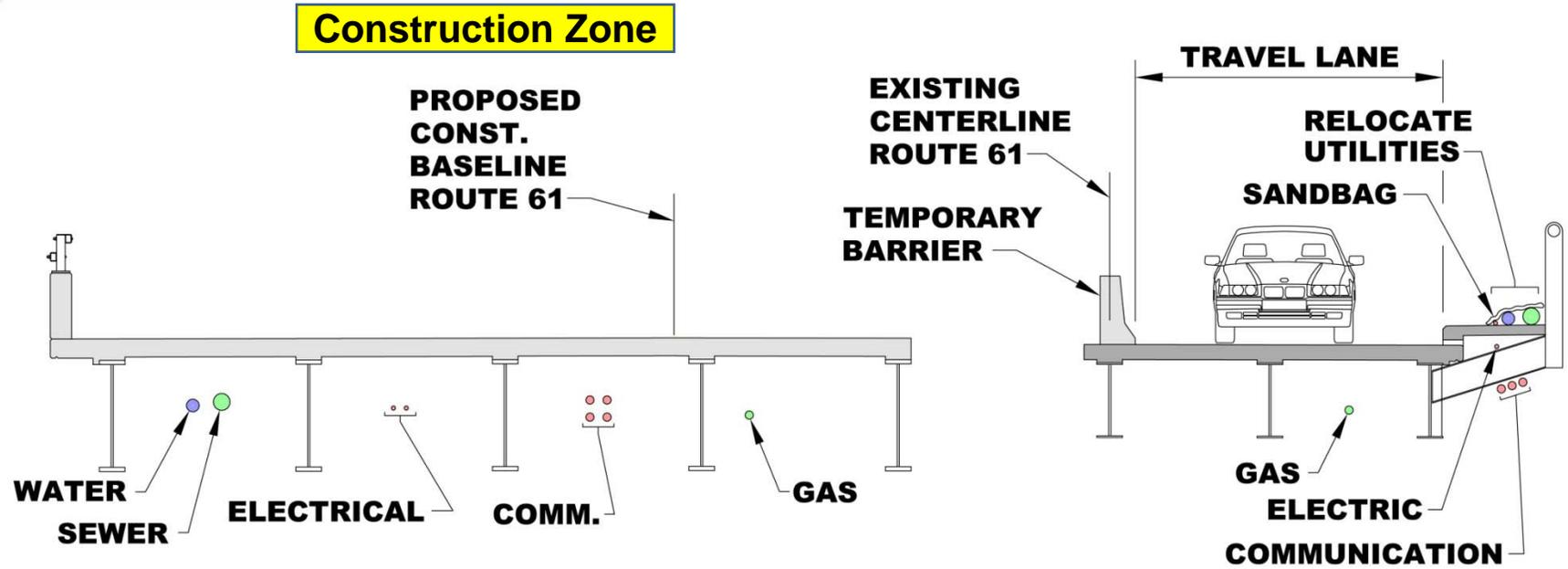


Option 2: Stage I North

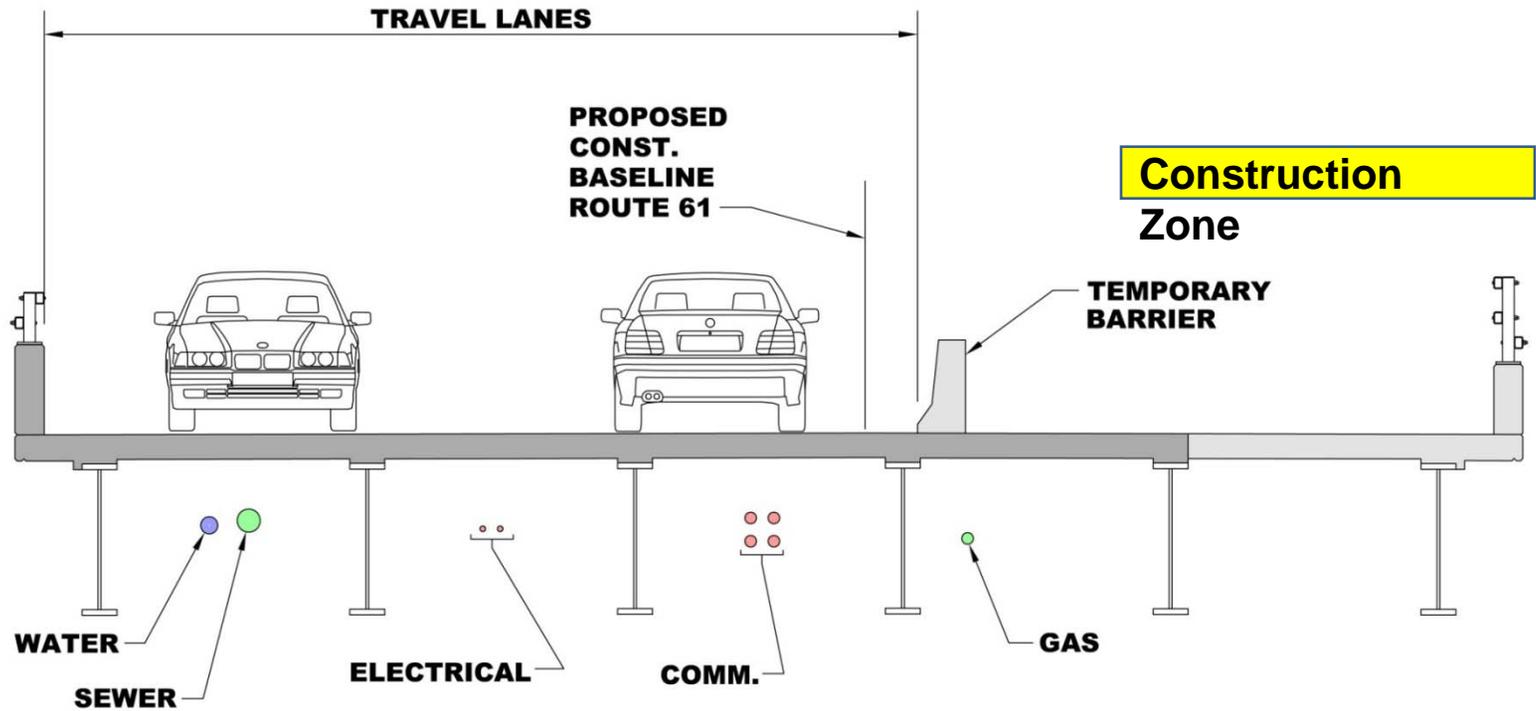
Construction Zone



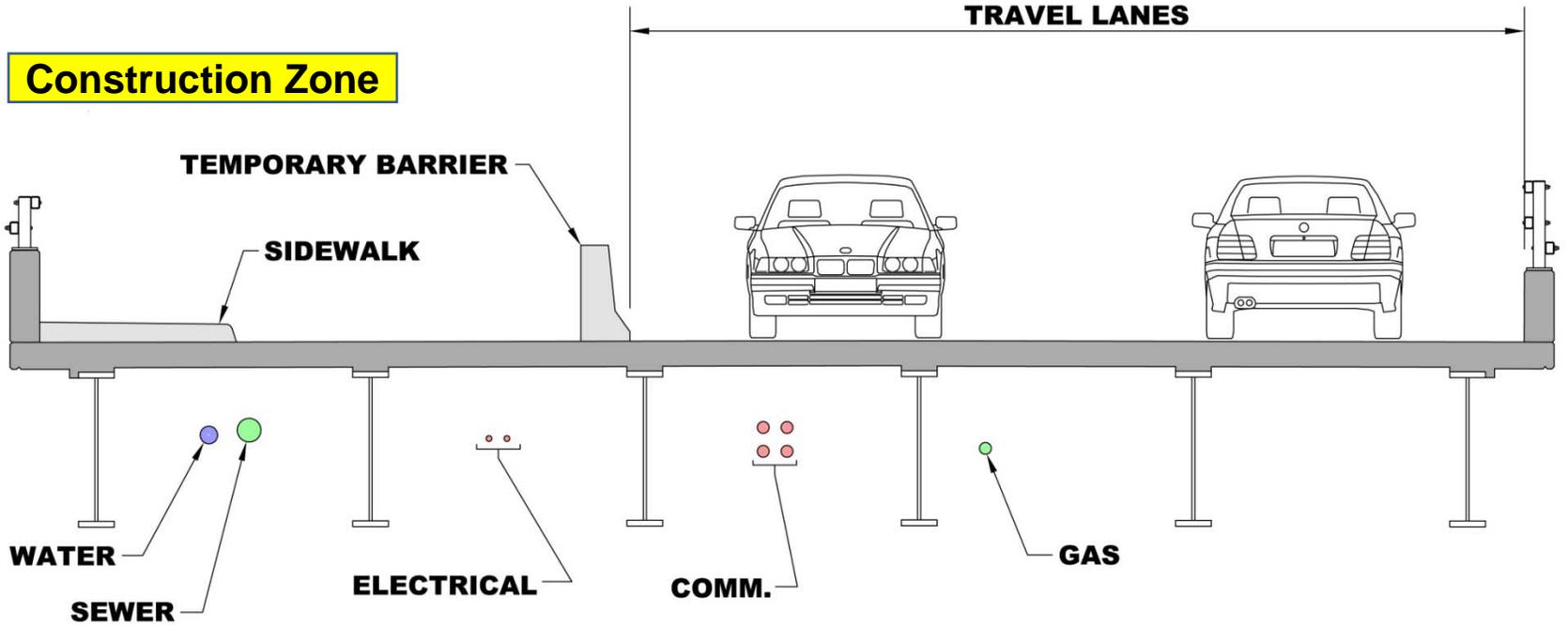
Option 2: Stage I South



Option 2: Stage II South



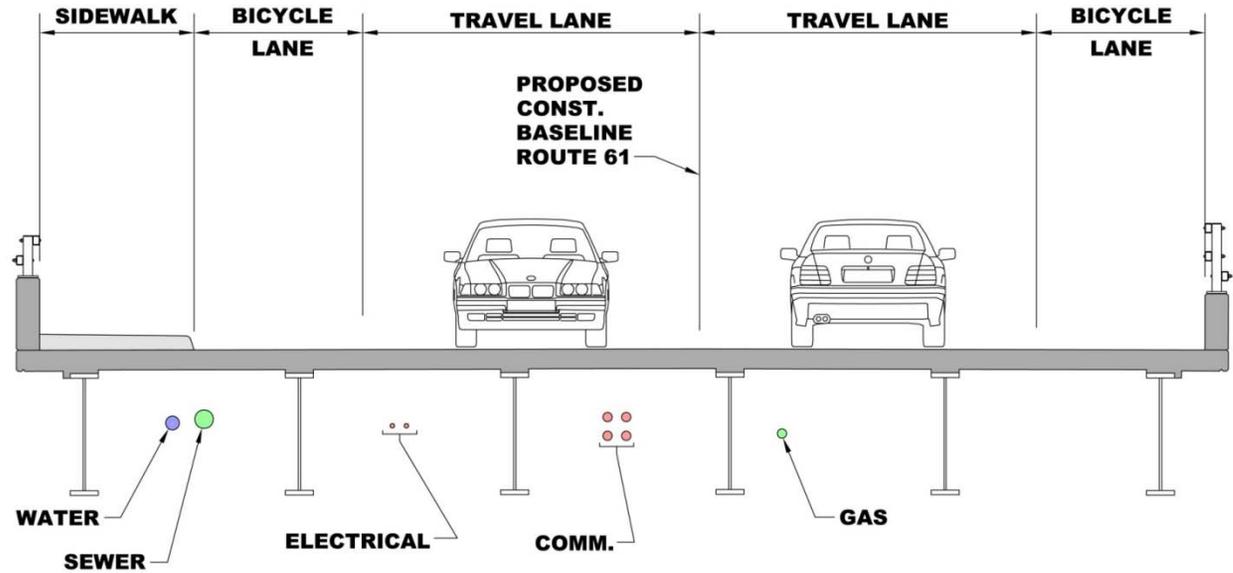
Option 2: Stage III



Option 2: Final

Considerations

- Maintain Traffic
 - Two-Way Traffic
 - 2 Lanes (90%)
- Construction Duration
- Utilities
- Right of Way



Route 61 Bridge Replacement

Next Steps

- **Citizen Feedback**
- **Environmental Documents**
- **Perform Geotechnical**
- **Recommend an Option**
- **Confirm Cost Estimate**
- **Public Hearing: Oct. 2009**
- **Design-Build Process**





**Route 61 Bridge Replacement
Narrows, Virginia
0061-266-119,R201, C501, B603**

July 16, 2009

Michael A. Russell, PE

Assistant District Administrator, Salem District

Steve Chapin, PE

AECOM Transportation

