**Submission Form: ABC Project for ABC Project Database**

[Note: Use PgDn (Page Down) key to click through fields.]

**Submitter’s Information**

First Name Last Name Credentials

|  |  |  |
| --- | --- | --- |
| First Name | Last Name | (e.g., P.E., S.E.) |

Position Affiliation

|  |  |
| --- | --- |
| Position | Affiliation |

Email Phone

|  |  |
| --- | --- |
| Email | Phone |

Your relationship to ABC project

|  |
| --- |
| Your relationship to ABC project |

**Owner’s Information**

First Name Last Name Credentials

|  |  |  |
| --- | --- | --- |
| First Name | Last Name | (e.g., P.E., S.E.) |

Position Affiliation

|  |  |
| --- | --- |
| Position | Affiliation |

Email Phone

|  |  |
| --- | --- |
| Email | Phone |

**Project Information**

Project Name Project Owner

|  |  |
| --- | --- |
| Project Name | Project Owner (e.g., State, County, City) |

Year ABC Completed County State

|  |  |  |
| --- | --- | --- |
| Year ABC Completed | County | State |

State ID # NBI #

|  |  |
| --- | --- |
| State ID # | NBI # |

Location Description

|  |
| --- |
| Location Description (e.g., \_\_\_\_\_ Road over \_\_\_\_\_ River near the city of \_\_\_\_\_) |

Latitude Longitude

|  |  |
| --- | --- |
| Latitude | Longitude |

Brief Project Summary

|  |
| --- |
| Brief summary of ABC used |

**Step 2 Submission: ABC Project Details**

|  |  |
| --- | --- |
| Location (Rural or Urban): | Location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Spans: | Select # Spans |  | Beam Material: | Select Beam Material |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Max. Span Length (ft): | \_\_\_ ft. |  | Total Bridge Length (ft): | \_\_\_ ft. |

|  |  |  |
| --- | --- | --- |
| Dimensions: |  | (e.g., roadway width, span configuration, skew) |

|  |  |
| --- | --- |
| Construction Equipment Category: | Select Equipment Category |

|  |  |  |
| --- | --- | --- |
| ABC Construction Equipment: |  | Describe ABC construction equipment types used |

|  |  |
| --- | --- |
| Traffic Impact Category: | Select Impact Category |

Mobility Impact Time

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ABC: |  | Time using ABC | Conventional: |  | Time if conventional |

Primary Drivers (select all that apply)

|  |  |  |
| --- | --- | --- |
| Reduced traffic impacts |[ ]   | Single construction season |[ ]
| Reduced onsite construction time |[ ]   | Contractor-initiated change |[ ]
| Improved work-zone safety |[ ]   | Maintain existing alignment |[ ]
| Improved site constructability |[ ]   | Limit right-of-way take |[ ]
| Improved material quality and product durability |[ ]   | Ability to utilize local contractor or county workforce to construct |[ ]
| Minimized environmental impacts |[ ]   | Emergency replacement |[ ]
| Reduced initial cost |[ ]   | Minimize business impacts |[ ]
| Reduced life-cycle cost |[ ]   | Maintain essential services |[ ]

|  |  |  |
| --- | --- | --- |
| Additional Primary Drivers: |  | Add additional primary drivers if they apply to this project |

|  |  |  |
| --- | --- | --- |
| Average Daily Traffic (prior to construction): |  | # vehicles/day prior to construction |

Traffic Management Alternative if Constructed Conventionally

|  |
| --- |
| (e.g., extended use of \_\_\_-mile detour) |

Existing Bridge Description

|  |
| --- |
| (e.g., include: roadway width; total length; # of spans; span configuration; skew; beam material; # and width of traffic lanes and shoulders; year originally built; any upgrades to date; existing limitations) |

Replacement or New Bridge

|  |
| --- |
| (e.g., include: location relative to existing bridge; design details that address limitations of existing bridge; deck thickness; beam type and spacing; simple or continuous for live load; closure joint material; substructure type; etc.) |

Construction Method

|  |
| --- |
| Describe construction. Include prefabrication; onsite construction processes; contract requirements related to completion time, incentives/disincentives, etc. |

Stakeholder Feedback

|  |
| --- |
| Provide feedback from owner, etc. |

High Performance Material

|  |
| --- |
| List all high-performance materials used in the project, e.g., UHPC, stainless steel rebar, etc. |

**PROJECT PLANNING**

Decision-Making Tools (select all that apply)

|  |  |  |
| --- | --- | --- |
| FHWA Process |[ ]   | Benefit/Cost Method |[ ]
| State Process |[ ]   | Other Decision-Making Tool |[ ]
| TPF-5(221) [AHP Decision-Making Tool] |[ ]   |  |  |

Other Decision-Making Tool

|  |
| --- |
| List any other decision-making tool(s) used on the project. |

Site Procurement (select all that apply)

|  |  |  |
| --- | --- | --- |
| Programmatic Agreement |[ ]   | Electronic Shop Drawing Submittal & Approval Process |[ ]
| Right-of-Way Acquisition |[ ]   | Fabrication Drawings Prior to Bid |[ ]
| Relocation Incentive |[ ]   | Material Procurement Prior to Contract Award |[ ]
| Flexibility in Utilities |[ ]   | Other Site Procurement |[ ]
| Early Environmental Clearance & Permitting |[ ]   |  |  |

Other Site Procurement

|  |
| --- |
| List any other site procurement techniques used on the project |

Project Delivery

|  |  |  |
| --- | --- | --- |
| Design-Bid-Build |[ ]   | Emergency Contract |[ ]
| Design-Build |[ ]   | Alternative Technical Concept |[ ]
| In-House Force |[ ]   | Alternative Ton (Foundation) |[ ]
| CM/GC |[ ]   | Other Project Delivery |[ ]
| Public-Private Partnership |[ ]   |  |  |

Other Project Delivery

|  |
| --- |
| List any other project delivery techniques used on the project |

Contracting (select all that apply)

|  |  |  |
| --- | --- | --- |
| A+B Bidding |[ ]   | Contractor Revision |[ ]
| A+B+C Bidding |[ ]   | Value Engineering |[ ]
| Full Lane Closure |[ ]   | VE with Partnering |[ ]
| Warranty |[ ]   | Formalized Partnering |[ ]
| Lane Rental |[ ]   | Best Value Award |[ ]
| Incentive / Disincentive Clause |[ ]   | Performance Contracting |[ ]
| No Excuse Bonus |[ ]   | Accelerated Bid Process |[ ]
| Lump Sum Bonus |[ ]   | Other Contracting |[ ]
| Contractor Option |[ ]   |  |  |

Other Contracting

|  |
| --- |
| List any other project contracting techniques used on the project |

**GEOTECHNICAL SOLUTIONS**

Foundations and Walls

|  |  |  |
| --- | --- | --- |
| Continuous Flight Auger Pile |[ ]   | CIP Substructure Under Traffic |[ ]
| Micropile |[ ]   | Reused Substructure/Foundation Unit |[ ]
| High-Capacity Pile |[ ]   | Pre-Grouted Void |[ ]
| GRS-IBS |[ ]   | Other Foundation/Wall |[ ]

Other Foundations and Walls

|  |
| --- |
| List any other foundations or walls used on the project |

Rapid Embankment

|  |  |  |
| --- | --- | --- |
| EPS Geofoam {Expanded Polystyrene Geofoam} |[ ]   | Embankment Surcharge |[ ]
| Self-Compacting Backfill |[ ]   | Lightweight Fill |[ ]
| Intelligent Compaction |[ ]   | Other Rapid Embankment |[ ]
| Fully-Contained Flooded Backfill |[ ]   |  |  |

Other Rapid Embankment

|  |
| --- |
| List any other rapid embankment used on the project |

**STRUCTURAL SOLUTIONS**

*Prefabricated Elements*

Deck Elements

|  |  |  |
| --- | --- | --- |
| Full-Depth Precast Deck Panel w/PT |[ ]   | Aluminum Deck |[ ]
| Full-Depth Precast Deck Panel w/o PT |[ ]   | Exodermic Deck |[ ]
| Partial-Depth Precast Deck Panel |[ ]   | Orthotropic Deck |[ ]
| FRP Deck Panel {fiber-reinforced polymer deck panel} |[ ]   | UHPC Waffle Deck |[ ]
| Steel Grid (open) Deck |[ ]   | Other Deck Element |[ ]
| Steel Grid (concrete filled) Deck |[ ]   |  |  |

Other Deck Elements

|  |
| --- |
| List any other deck elements used on the project |

Deck Beam Elements

|  |  |  |
| --- | --- | --- |
| Adjacent Deck Bulb T Beam |[ ]   | MDcBc {Modular concrete-Decked concrete Beam} |[ ]
| Adjacent T Beam |[ ]   | MDcBs {Modular concrete-Decked steel Beam} |[ ]
| Adjacent Inverted T Beam |[ ]   | MDcBh {Modular concrete-Decked hybrid Beam} |[ ]
| Adjacent Box Beam |[ ]   | MDhBs {Modular hybrid-Decked steel Beam} |[ ]
| Adjacent Slab Beam |[ ]   | PT Concrete Through-Girder |[ ]
| Adjacent Slab Beam w/Backwall |[ ]   | Other Deck Beam Element |[ ]

Other Deck Beam Elements

|  |
| --- |
| List any other deck beam elements used on the project |

Full-Width Beam Elements

|  |  |  |
| --- | --- | --- |
| Truss Span w/o Deck |[ ]   | Steel Segmental |[ ]
| Arch Span w/o Deck |[ ]   | Other Full-Width Beam Element |[ ]
| Precast Segmental |[ ]   |  |  |

Other Full-Width Beam Elements

|  |
| --- |
| List any other full-width beam elements used on the project |

Pier Elements

|  |  |  |
| --- | --- | --- |
| Precast Pile Cap |[ ]   | Precast Caisson Cap |[ ]
| Precast Cap Shell |[ ]   | Steel Pile Cap |[ ]
| Precast Cap & Column(s) |[ ]   | Steel Column Cap |[ ]
| Precast Column Cap (Precast Bent Cap; Precast Crossbeam) |[ ]   | Steel Column(s) |[ ]
| Precast Column(s) |[ ]   | Steel Cap & Column(s) |[ ]
| Precast Footing Shell |[ ]   | Other Pier Element |[ ]
| Precast Footing(s) |[ ]   |  |  |

Other Pier Elements

|  |
| --- |
| List any other pier elements used on the project |

Abutment and Wall Elements

|  |  |  |
| --- | --- | --- |
| Precast Abutment Cap |[ ]   | Precast Lagging Panel |[ ]
| Precast Backwall |[ ]   | Precast Full-Height Wall Panel |[ ]
| Precast Abutment Cap w/Backwall |[ ]   | Precast Retaining Wall |[ ]
| Precast Abutment Stem |[ ]   | MSE Wall {mechanically-stabilized earth wall} |[ ]
| Precast Wingwall |[ ]   | Modular Block Wall |[ ]
| Precast Cheek Wall |[ ]   | GRS Abutment {geosynthetic reinforced soil abutment} |[ ]
| Precast Abutment Footing |[ ]   | Proprietary Wall |[ ]
| Steel Sheet Piling |[ ]   | Other Abutment and Wall Element |[ ]
| Precast Sheet Piling |[ ]   |  |  |

Other Abutment and Wall Elements

|  |
| --- |
| List any other abutment and wall elements used on the project |

Buried Bridge Elements

|  |  |  |
| --- | --- | --- |
| Buried Precast Arch |[ ]   | Buried Metal Arch |[ ]
| Buried Precast 3-Sided |[ ]   | Buried Metal 3-Sided |[ ]
| Buried Precast Box |[ ]   | Buried Metal Box |[ ]
| Other Buried Bridge Element |[ ]   |  |  |

Other Buried Bridge Element

|  |
| --- |
| List any other buried bridge elements used on the project |

*Prefabricated Systems*

Superstructure Systems

|  |  |  |
| --- | --- | --- |
| FDcBc {Full-Width concrete-Decked concrete Beam Unit} |[ ]   | Prestressed Multi-Cell Box Girder Span |[ ]
| FDcBs {Full-Width concrete-Decked steel Beam Unit} |[ ]   | Metal Panel Deck Span |[ ]
| Through-Girder Span w/Deck |[ ]   | RDcBc {Reused concrete-Decked concrete Beam span} |[ ]
| Truss Span w/Deck |[ ]   | RDcBs {Reused concrete-Decked steel Beam span} |[ ]
| Arch Span w/Deck |[ ]   | Other Superstructure System |[ ]
| Steel Orthotropic Box Girder Span |[ ]   |  |  |

Other Superstructure System

|  |
| --- |
| List any other superstructure system used on the project |

Superstructure / Substructure Systems

|  |  |  |
| --- | --- | --- |
| Super/Substructure System w/o Foundations |[ ]   | Other Superstructure / Substructure System |[ ]
| Buried Bridge System w/o Foundations |[ ]   |  |  |

Other Superstructure / Substructure System

|  |
| --- |
| List any other superstructure / substructure system used on the project |

Total Bridge Systems

|  |  |  |
| --- | --- | --- |
| Super/Substructure System w/ Shallow Foundations(Rolled/Launched/Slid/Lifted) |[ ]   | Other Total Bridge System |[ ]

Other Total Bridge System

|  |
| --- |
| List any other total bridge system used on the project |

*Miscellaneous*

Miscellaneous Prefabricated Elements

|  |  |  |
| --- | --- | --- |
| Precast Approach Slab |[ ]   | LWC Beam {lightweight concrete beam} |[ ]
| Precast Curb |[ ]   | LWC Deck {lightweight concrete deck} |[ ]
| Prefabricated Railing |[ ]   | LWC Substructure {lightweight concrete substructure} |[ ]
| Precast Diaphragm |[ ]   | Other Miscellaneous Prefabricated Element |[ ]
| Steel Diaphragm |[ ]   |  |  |

Other Miscellaneous Prefabricated Element

|  |
| --- |
| List any other miscellaneous prefabricated element used on the project |

Closure Joints / Connections

|  |  |  |
| --- | --- | --- |
| CIP Reinforced Closure Joint {cast-in-place reinforced concrete closure joint} |[ ]   | Pocket Connection |[ ]
| High-Strength CIP Reinforced Closure Joint |[ ]   | Socket Connection |[ ]
| HESt-LSh Concrete Joint {high-early-strength low-shrinkage concrete joint} |[ ]   | Link Slab |[ ]
| UHPC Closure Joint {ultra-high-performance concrete closure joint} |[ ]   | Match Cast Closure Joint |[ ]
| Epoxy Joint |[ ]   | Bars in Splice Coupler |[ ]
| Grouted Key Closure Joint |[ ]   | PT Ducts/Bonded |[ ]
| Grouted Blockout w/Shear Connector |[ ]   | PT Ducts/Un-bonded |[ ]
| Grouted Duct Connection |[ ]   | Other Closure Joint/Connection |[ ]

Other Closure Joint / Connection

|  |
| --- |
| List any other closure joint / connection used on the project |

**ABC CONSTRUCTION EQUIPMENT / METHODS**

SPMT {Self-Propelled Modular Transporter}

|  |  |  |
| --- | --- | --- |
| SPMTs |[ ]   | SPMT on Barge |[ ]
| SPMT with Gantry System |[ ]   | Other SPMT Combination |[ ]

Other SPMT Combination

|  |
| --- |
| List any other SPMT combination used on the project |

Lateral Slide {aka, Slide-in Bridge Construction}

|  |
| --- |
| Lateral Slide {w / roller or pad} |[ ]

Longitudinal Launch

|  |  |  |
| --- | --- | --- |
| Longitudinal Launch w/pad |[ ]   | Longitudinal Launch w/roller |[ ]

Miscellaneous ABC Equipment

|  |  |  |
| --- | --- | --- |
| High-Capacity Crane(s) |[ ]   | Float In |[ ]
| High-Capacity Crane on Barge |[ ]   | Gantry System |[ ]
| Strand Jack |[ ]   | Multi-Axle Flatbed Trailer |[ ]
| Towed Modular Transporter |[ ]   | Other ABC Equipment |[ ]

Other ABC Equipment

|  |
| --- |
| List any other ABC equipment used on the project |

Costs

|  |
| --- |
| (e.g., include awarded bid; # of bidders; cost per sq ft of bridge deck area compared to conventional construction in this region during the same time period; etc.) |

|  |  |
| --- | --- |
| Funding Source | Select funding source |

Incentive Program

|  |
| --- |
| [e.g., STIC, AID, SHRP2, ARRA, Highways for LIFE, IBRD, IBRC, etc.; also show $ amount) |

Additional Contacts

|  |
| --- |
| (e.g., include name, credentials, position, affiliation, email, phone, and activity on project – designer, contractor, precaster, steel fabricator, materials supplier, etc.) |

By separate communication, please provide the following documents as approved for posting:

* Photos (related to ABC – construction photos and photo of completed bridge)
* Contract plans (related to ABC, or total set)
* Specifications (related to ABC, or total set)
* Bid tabs
* Construction schedule
* Other related information (documents, etc.)

Photo Credits

|  |
| --- |
| Name(s) of organization(s) that owns the photos |

Other Related Information

|  |
| --- |
| Provide any other details not shown above that you think might be helpful in better understanding the project. |

Other Related URLs

|  |
| --- |
| List title and URL for each web link related to project that you think might be helpful in better understanding the project. |

**Bridge Owner representative only**: Approval to Post

I agree that the information provided above is accurate to the best of my knowledge. By submitting this information, I give the ABC-UTC the rights to publish the data online and in the ABC-UTC database. The ABC-UTC reserves the right to make editorial changes prior to publication.

|  |
| --- |
|[ ]  I agree. |