**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 |

Overlays

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Standard Concrete Overlay |  |  | Micro-Silica Concrete Overlay |  |
| High-Density Concrete Overlay |  |  | Polymer Concrete Overlay |  |
| HPC Overlay {high-performance concrete overlay} |  |  | Rapid Set Overlay |  |
| UHPC Overlay {ultra-high-performance concrete overlay} |  |  | Thin-Bonded Epoxy Overlay |  |
| Asphalt Overlay w/Membrane |  |  | Asphalt Chip Seal w/o Membrane |  |
| Asphalt Overlay w/o Membrane |  |  | Other Overlay |  |
| Latex-Modified Overlay |  |  |  |  |

Other Overlay

|  |
| --- |
| List any other overlay 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 |  |  |  |  |

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, AMR, SHRP2, HfL, ARRA, 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. |

I agree that the information provided above is accurate to the best of my knowledge. The IBT/ABC-UTC reserves the right to make changes as approved by the project owner prior to publication.

|  |  |
| --- | --- |
|  | I agree. |