

Historic Bridge Coordination

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Texas Department of Transportation







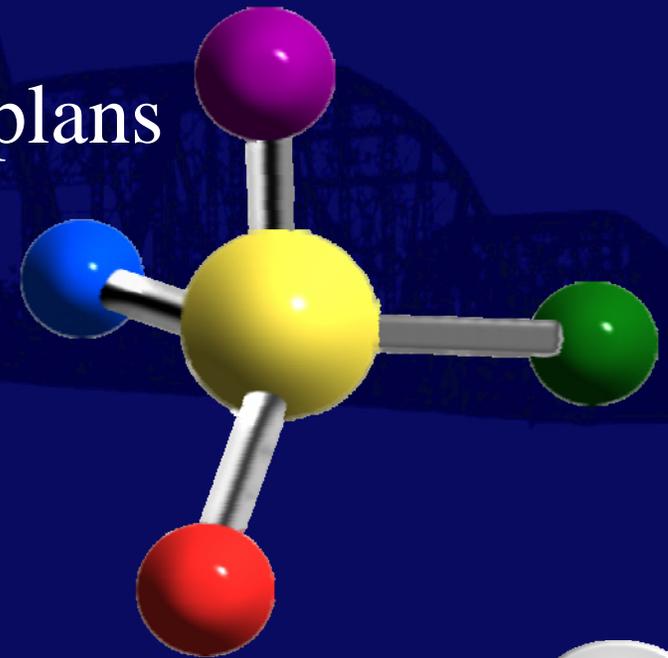






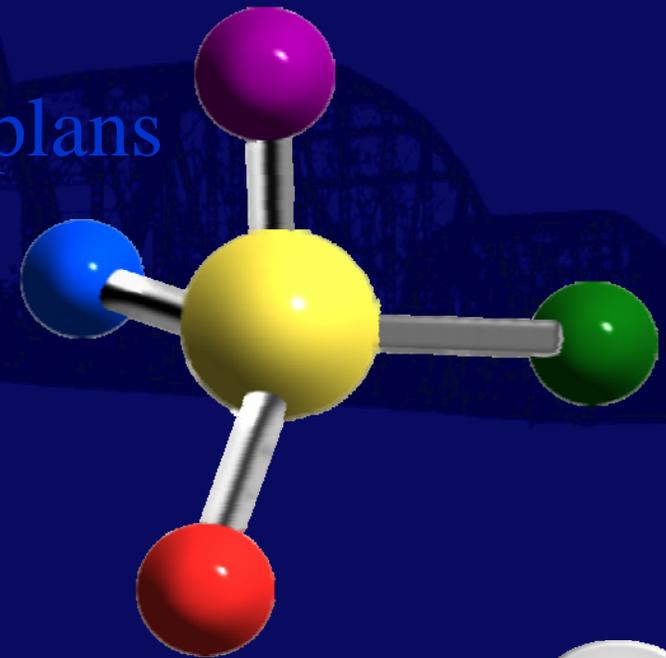
Path To Success:

- Purpose of the project
- Historic bridge team
- Determine available funding
- Develop documentation and plans
- Coordination with the THC and FHWA
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Purpose Of The Project:

- Contacting the local entities
- Identify additional public interest
- Preliminary design considerations



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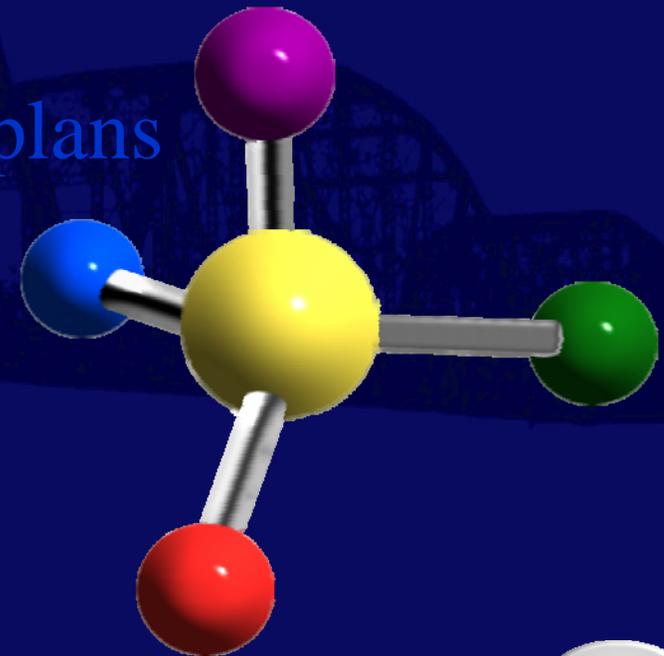


Purpose and need statement



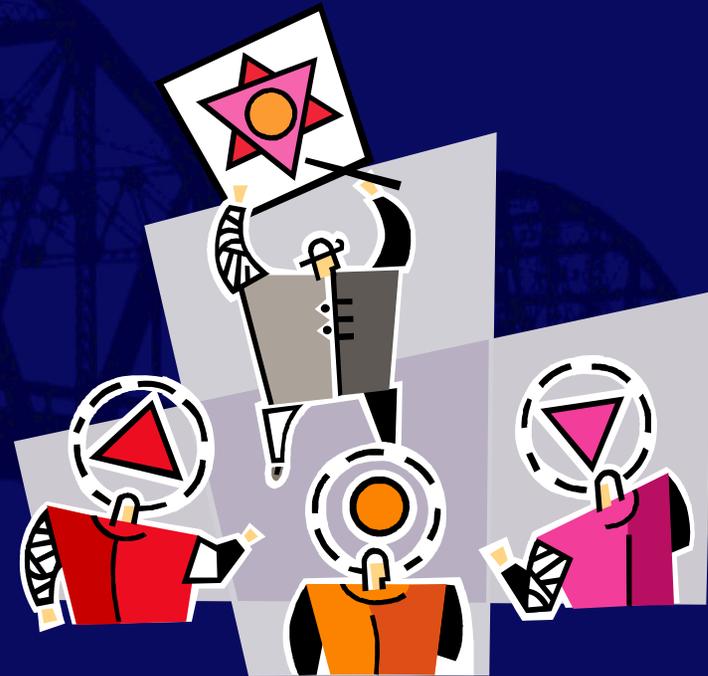
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Historic Bridge Team (HBT):

- Team members
- Adaptive use analysis
- HBT report
(not a 4(f) document)



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Historic Bridge Team (HBT):

- Team members
- **Adaptive use analysis**
 - Structural field assessment and load rating
 - Preservation alternatives
- HBT report
(not a 4(f) document)



Preservation Alternatives

- Do nothing
- Vehicular rehabilitation
 - for continued two-way traffic
 - for reduced traffic volumes one-way pair, frontage road
- Bypass for pedestrian rehabilitation
- Bypass and left as a monument
- Remove and relocate structure for pedestrian use
- Remove and demolish



Historic Bridge Team (HBT):

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- Adaptive use analysis
- **HBT report**
(not a 4(f) document)



HBT Report:

- General description
- Statement of historical significance
- Purpose and need statement
- Preservation alternatives
- Cost estimates
- Recommendation



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Purpose & Need Statement

The roadway traffic is slowly increasing due to continued growth of the Davis Mountains Resort area. Truck traffic is also increasing with use of SH 166 and adjacent FM 505 as a shortcut to Van Horn, Valentine, and Fort Davis. Narrow lanes, combined with wide loads, have created safety problems for motorists when they encounter each other. The pavement edges have become markedly frayed, due to vehicles leaving the pavement while driving. This fraying has led to increased maintenance needs and deteriorating road conditions.



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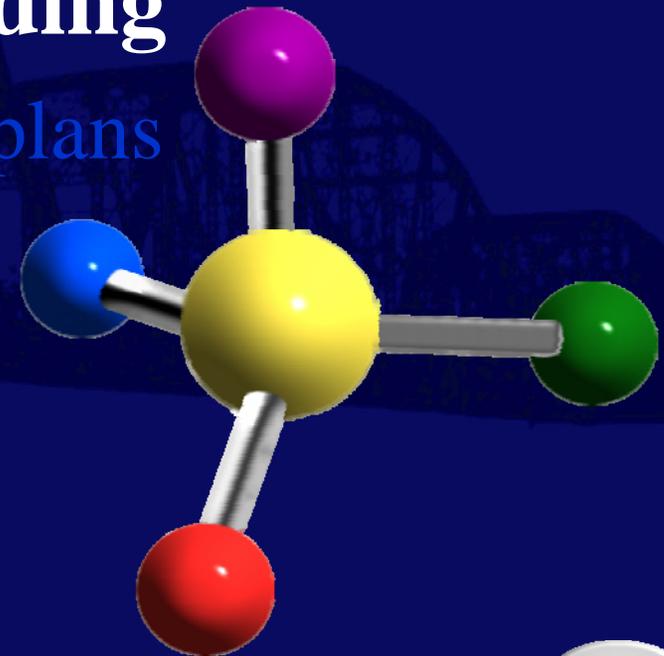
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Determining Available Funding:

- On-system
 - Highway bridge program (HBP)
 - Other federal funding sources
 - State funds
- Off-system
 - HBP funds



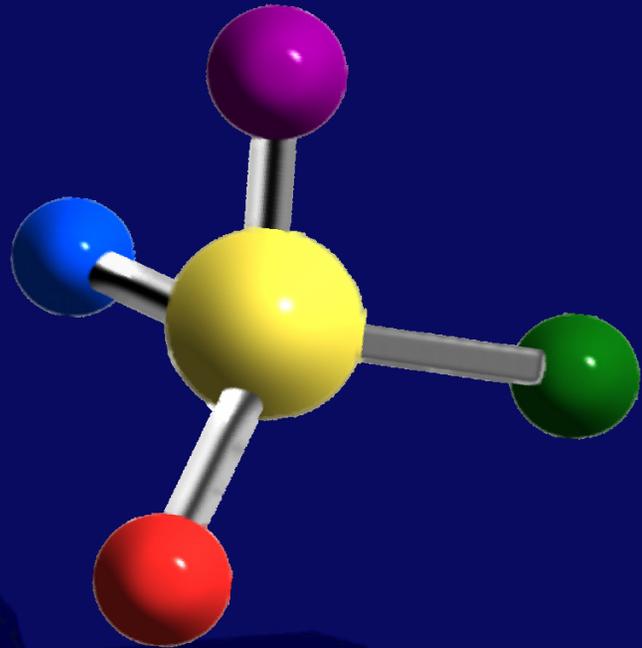
HBP Funds Are:

- For vehicular structures which meet eligibility criteria
- For preservation of historic bridges that are to be replaced or rehabilitated
 - Continued vehicular use
 - Preservation for **NON**-vehicular use and funds limited to **estimated cost of demolition**



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Develop documentation and plans:

- Section 110 of the National Historic Preservation Act (NHPA)
- Section 106 of the NHPA
- Section 4(f) of the U.S Dept. of Transportation Act
- Development of the PS&E



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Section 106 (NHPA):

Requires FHWA/TxDOT to take into account the effects of federally-funded and permitted projects on historic properties, to coordinate these effects with THC/SHPO and to avoid, minimize, or mitigate any adverse effects...in addition we must make an active effort to identify consulting parties who may have an interest in a projects effect on the resource.



Section 106 (NHPA):

Integrity – 1 : firm adherence to a code; 2: an unimpaired condition; 3: the quality or state of being complete or undivided...



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Material

Location

Feeling

Setting

Association

Workmanship

Design



Develop documentation and plans:

- Section 110 of the NHPA
- Section 106 of the NHPA
- **Section 4(f) of the U.S Dept. of Transportation Act of 1966**
- Development of the PS&E



Section 4(f):

For federally funded projects, the documentation must prove there is no prudent or feasible alternative to the proposed action and that the project includes **all** possible planning to minimize harm to the resource.



Section 4(f):

The 4(f) document brings together the information collected during the preliminary design discussions, the public interest negotiations, and the HBT report as well as should **clearly describe** how feasible and prudent each of the alternatives support the Purpose and Need statement.



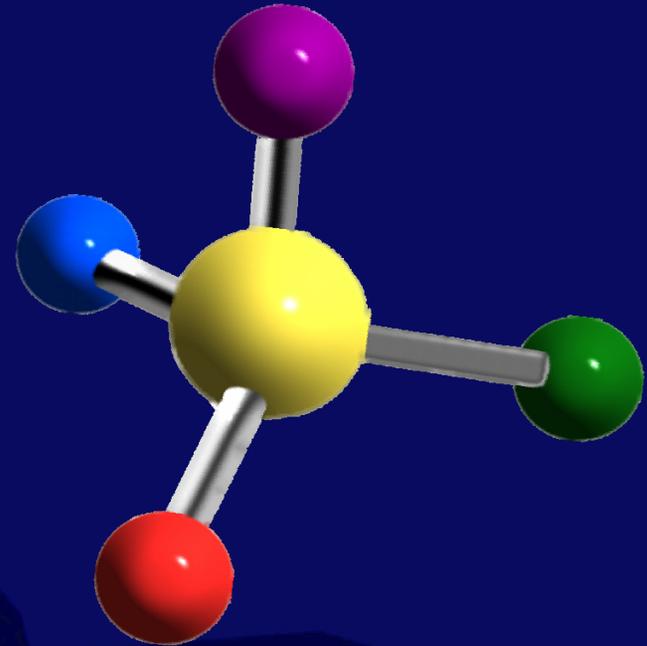
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Coordination with THC and FHWA:

- Section 106 = 20 day review
 - Bridge Marketing = 15-30 days
 - 4(f) documentation = 45 days each
 - FHWA
 - THC
- } **Not concurrent**



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QUESTIONS?

