

The Overall Process and Resulting Product

Six Overall Phases

- Phase 1 – Assessment
- Phase 2 – Assembling Inventory and Design Information
- Phase 3 – Preparing the Estimate
- Phase 4 – Other Costs to Include in the Estimate
- Phase 5 – Cost Estimate Analysis
- Phase 6 – Additional ADHS Funding Above SAFETEA-LU

Assessment Phase – Phase 1

- Step 1 – List ADHS Corridors – Eligible/Ineligible Miles
- Step 2 – Determine Sections to be Estimated
- Step 3 – Assess status of Sections to be Estimated
- Step 4 – Develop Section Breaks – base on additional eligible miles or status

Assembling Inventory and Design Information – Phase 2

- Step 5 – Update/develop inventory information for Sections to be Estimated
- Step 6 – Update/develop design information for Sections to be Estimated
- Step 7 – Update/develop typical section diagrams for Sections to be Estimated

Preparing the Estimate – Phase 3

- Step 8 – Use estimating processes consistent with those used by the State DOT (**Must be documented and reviewed and concurred in by FHWA Division Office**)
- Step 9 – Provide estimated cost by work classification for Sections to be Estimated
- Step 10 – Summary Table (automatically prepared by System)

Other Cost to Include in the Estimate – Phase 4

- Step 11 – Identify Pre-financed and Right of Way Projects completed or in authorized status as 9/30/11 – Table D
- **Must be reviewed and concurred in by FHWA Division Office**

Cost Estimate Analysis – Phase 5

- Step 12 – Compare 2012 State ADHS Cost to Complete Estimate to 2007 State ADHS Cost to Complete Estimate
- Analysis Outcome to be included in State DOT Narrative
- **Must be reviewed and concurred in by FHWA Division Office**

Additional ADHS Funding Above SAFETEA-LU – Phase 6

- Step 13 – Identify federal funds earmarked for the ADHS and not obligated as of 9/30/11

The Resulting Product

- State 2012 ADHS Cost to Complete Estimate as of 9/30/11 (Tables A, B, C, D and E, State Map, Strip Map, Cross Sections)
- State Narrative Explaining Increased Cost above 15% from their 2007 ADHS Cost Estimate

2012 Cost Estimate Process Highlights

- Cost Estimating Software – GIS, Web-Based Enterprise, Ease of Use, Simultaneous Access by State DOT's and FHWA Division Offices, Improved Efficiencies
- Centralized Development of State Maps and Strip Maps
- Centralized Printing of Final Documents

- Full ADHS Oversight by FHWA
- Using the estimating process consistent with those used by the State DOT
- Revised Instruction Manual – Definitions, Roles and Responsibilities, Estimated Budget to Prepare Estimate, Elimination of Detailed References to FHWA Codes/Policies (Disclaimer), ADHS Coordinators, Software Instruction

- Cost Estimate – Un-Completed ADHS

ADHS Cost Estimate Parameters

ADHS to be Estimated

- Un-built Sections and Remaining Stage Construction Work (sections open to traffic) classified as eligible for ADHS funding and not authorized and fully financed as 9/30/11 (denoted in FHWA FMIS)

Location and Design Concepts to be Estimated

- Prepare Estimates for Sections having location approval using location and design concepts developed as 9/30/11
- For Sections not having location approval use location and design concept used in their 2007 Cost Estimate
- Prior to estimating cost should have FHWA Division Office review and concur with Sections requiring estimate

Eligible Activities to be Estimated

- Route Planning – location studies to determine general/detailed locations and cost estimates
- Preliminary engineering, design, right-of-way and construction
- Social, safety economic and environmental impact mitigation measures

ELIGIBLE ACTIVITIES ARE TO
BE CARRIED OUT WITHIN
PREVAILING FEDERAL-AID
POLICIES, HIGHWAY
STANDARD, SPECIFICATIONS
AND GUIDES USED FOR
TYPICAL FEDERAL AID
HIGHWAYS

In-eligible Activities

- ADHS FUNDS CANNOT BE USED TO UPGRADE ANY COMPLETED ADHS SECTION

Estimated Costs/Unit Prices

- Unit Costs to be Reported in 2010 dollars
- **Unit Costs to be Reviewed and Concurred in by FHWA Division Offices**

Design Criteria for the ADHS

STATE DOTs ARE TO DESIGN
THE ADHS IN ACCORDANCE
WITH PREVAILING FEDERAL-
AID POLICIES, HIGHWAY
STANDARDS,
SPECIFICATIONS AND GUIDES

ARC Criteria for the ADHS

- Design Speed – minimum design speed of 60 mph should be used for rural areas.
- Design Speed – a design speed between 50 to 60 mph may be used for mountainous terrain
- Design Speed – a design speed of at least 50 mph should be used in urban areas
- Traffic lanes shall be at least 12 feet wide
- Stage construction can be used on ADHS Corridors – must be adequate to accommodate future construction of ADHS projects to ARC approved standards

Potential Issues/Challenges

- Major Changes (General Alignment Changes, Final Route Locations, Transfer of Eligible Miles, Additional Interchanges etc.)
- Interchange limits
- Cross Section Changes
- Establishing Section Breaks
- Finance Codes

Preparing/Monitoring Costs to
Prepare 2012 ADHS Cost to
Complete Estimate

- Funds being Provided to cover 100% of State DOT's cost of preparing their ADHS Estimate
- Estimate must be prepared efficiently
- Should be relationship between cost to prepare estimate and remaining ADHS miles to be estimated

Requirements for Managing the Costs Associated with Preparing 2012 ADHS Cost Estimate

- State DOT Budget – Estimate
- Semi-monthly Input of States Actual Cost into Cost Estimating System – Tracking System

State DOT Budget - Estimate

- Use Format (Table F) - Handout
- Requires FHWA Division Office Review and Concurrence
- Due Washington FHWA no later than June 1, 2011
- Washington FHWA to Respond no later than June 7, 2011

Tracking System

- Cost Accounting System – via ADHS GIS/Cost Estimating System
- Semi-monthly input at minimum

State/Field Visits

- Goal – Visit all States
- Organize/Prioritize Visits around Issues
- Biggest Issue – Un-Obligated Balances and Lack of Progress
- Possible Issues – Remaining ADHS Miles to Complete, Challenges in Completing Cost Estimate, Miles Open but Classified Stage Construction

Possible Questions

- Issues Regarding the Preparation of Estimate
- Gain understanding where States stand as far their ADHS – status, funding etc.
- Plans for Completing their ADHS
(Corridor/Project/Financial Management Plan)
- Assess what they can get done if funding stream not an issue
- Other ???

