



INTEGRATED ADHS SYSTEM INSTRUCTIONS



Integrated ADHS System Instructions



The screenshot shows the homepage of the Appalachian Development Highway System. At the top left is the organization's logo, a circular emblem with a stylized 'S' and the text 'APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM'. To the right of the logo, the text 'APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM' is displayed in a large, bold, sans-serif font. Further right is a search bar with the placeholder text 'Search' and a magnifying glass icon. Below the header is a dark green navigation bar with white text for 'HOME', 'ABOUT', 'INTEGRATED ADHS SYSTEM', 'RESOURCES', 'ARTEDS', 'NOTICES AND NEWS', and 'CONTACT US'. The main content area features a large background image of a winding highway through a lush, green mountain landscape. Overlaid on this image is the text 'CONNECTING APPALACHIA' in a large, white, bold font. Below this, a dark horizontal bar contains the text 'Generating economic development and connecting Appalachia with national markets'. A white button with the text 'READ MORE' is positioned below the bar. At the bottom of the page, the text 'Appalachian Development Highway System' is displayed in a large, dark font. A small URL 'dev.eadhs.org/about-us/' is visible in the bottom left corner.

User Authentication

The Integrated ADHS System is accessed by a **tab** on the EADHS website

(<http://maps.njrati.net/ADHS2014/>)



Clicking this tab will direct you to the ADHS Information Management System

Navigating the Development Status View

Upon navigating to the Integrated ADHS website you will be required to create user name before you can access the application. For security reasons, user access will be granted to pre-approved email accounts (ARC contacts, FHWA Division contacts and the State DOT contacts). If you have been pre-approved, you will be able to login to the system right upon completion of the registration process. If you would like to add additional users, please contact Ms. Claretta Duran @ Claretta.Duren@dot.gov to make the request.

1. Select the Register feature from the top left of the screen.

ADHS Information Management System

Register Log in Return to Portal

ADHS Development Status as of September 30, 2014

Development Status
Cost Estimate
Completion Plan
Document Manager
Contact Us

Legend

Switch Basemap

esri

2. Input your user information to register:
 - a. Make sure you input your email account in lowercase letters

- b. Password should be a minimum of six (6) alphanumeric characters
- c. Agency field is configured to only accept a two-letter, all-caps state abbreviation (VA, WV, etc.) or ARC or FHWA

Register

User name must be alphanumeric.
Passwords are required to be alphanumeric and a minimum of 6 characters in length.
Agency must be a capitalized state abbreviation or federal agency acronym.

User name

Email address

Password

Confirm password

Agency

3. If you have used an un-authorized email account you will be presented with the following screen:

ADHS Information Management System

[Register](#) [Log in](#)

State: Corridor: Section:

Register

- ▶ Oops. There was a problem creating your account.
- ▶ Please contact a system administrator with your name, agency, and email address to initiate your approval process.

4. Log in using a registered User Name and Password.



ADHS Information Management System

[Register](#) [Log in](#)

State: AL ▼ Corridor: V ▼ Section: A 01.0.0 ▼

Log in.

Use a local account to log in.

User name

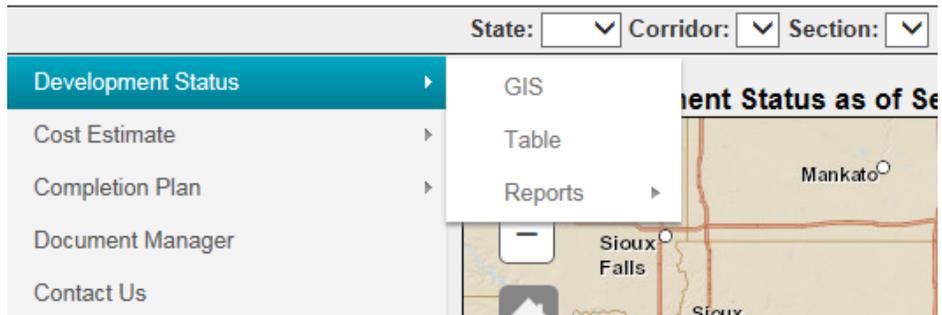
Password

Remember me?

[Register](#) if you don't have an account.

Navigating the ADHS Information Management System

Main Menu



The **Development Status**, **Cost Estimate** and **Completion Plan** menu items share a similar structure. Hovering with the cursor over one of these menu items will reveal a secondary menu with the following items: GIS, Table and Reports.

GIS

Opens an interactive map showing the Appalachian region and the ADHS projects. Functionality of the map varies depending on the tool being used.

Table

Displays the state data tables. Users will be able to view all states data but edit your state data only. Data from other states is for reference only. To begin an **Edit** session users must **Log In**.

Reports

Tool used to generate reports.

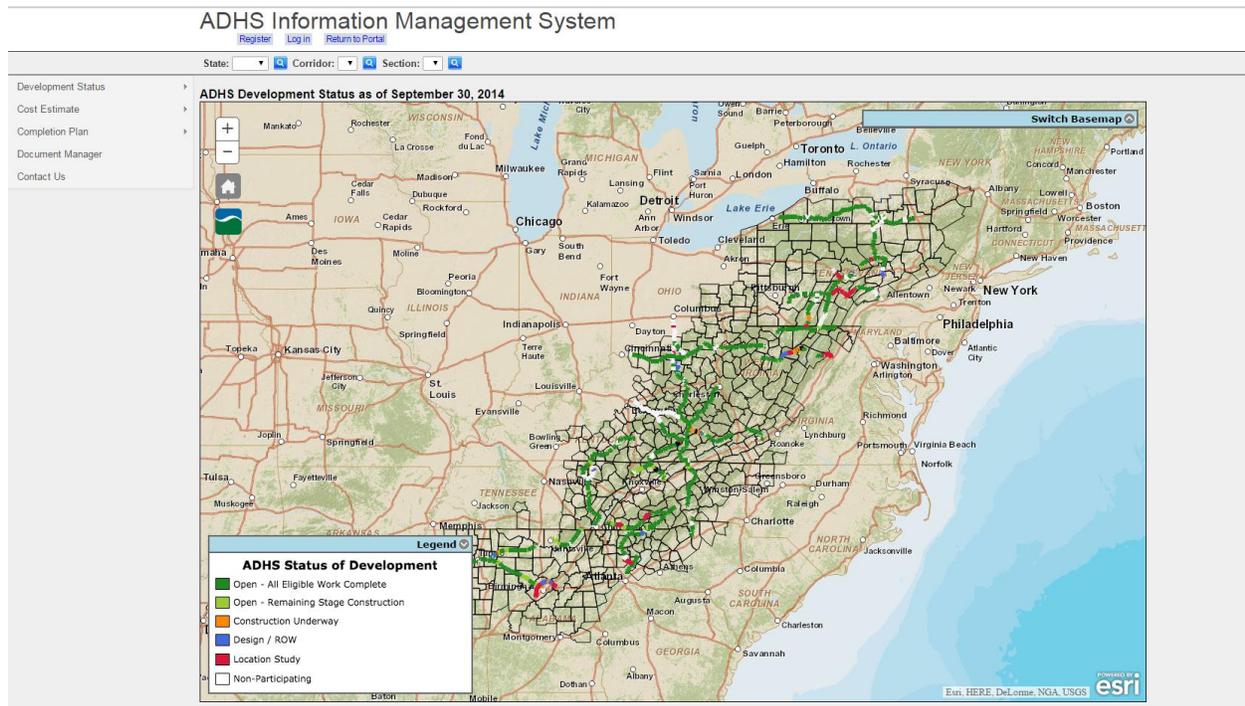
Development Status Menu

This application allows you to:

1. **Perform annual development status updates.** The development status for each incomplete section of the ADHS is updated every year to track the progress of construction of the ADHS.
 2. **Maintain the design criteria and engineering costs for ADHS sections.**
 3. **Access the completion plans for ADHS.**
 4. **Use GIS tools to analyze the ADHS corridors and sections.**
 5. **Upload and share important ADHS documents.**
 6. **Generate Reports.**
- Users will be able to view all states data but edit your state data only. Data from other states is for reference only.
 - Users can view data for all states without logging in.

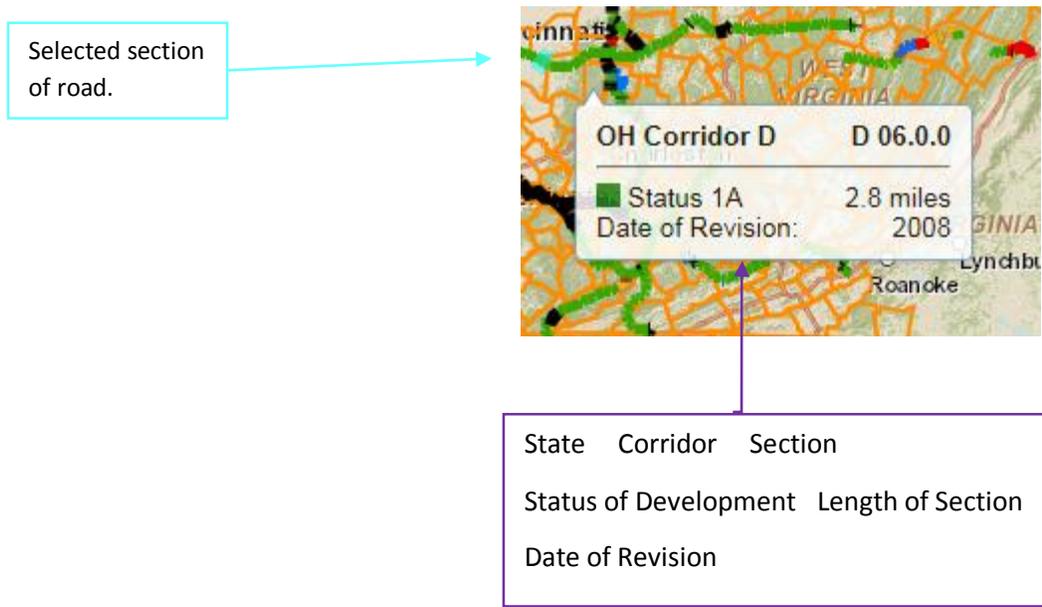
GIS

The interactive Development Status map is the default view a user will see when launching the ADHS Information Management System. The map is centered on the Appalachian region of the U.S. Appalachian counties are outlined in orange.

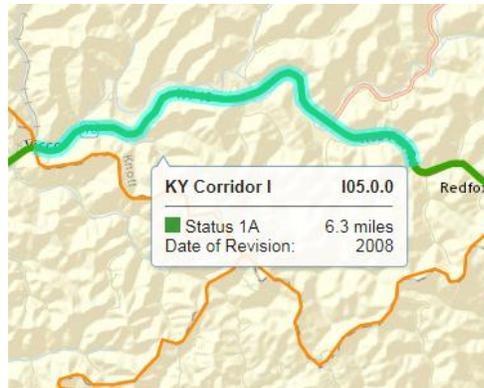


The map shows the development status of the 3,090 miles authorized by the ADHS. The legend displays the development status of each section of road.

Moving the cursor over a section will open a pop up box with information about that section.

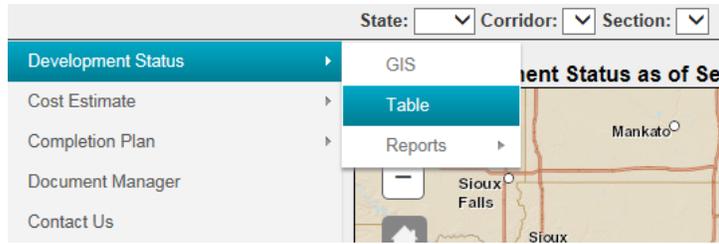


Using the mouse scroll wheel or the zoom buttons  allows the user to zoom in and out to change the view.



Table

The table view is accessible from the ADHS menu by navigating to Development Status > Table. The view is designed to provide quick information to end users.



Development Status Table View

Users will be able to view all states data but edit your state data only. Data from other states is for reference only.

Summary information includes:

- A. Total miles by corridor for both participating miles and non-participating miles
- B. Total miles by state for both participating miles and non-participating miles.
- C. Total Miles by status (open, construction, and design) is reported by corridor.
- D. Percent, participating miles, by state & by status.

Mileage values **in bold** show up where a change had been made during the 2014 update year

Values *italicized and in parenthesis ()* indicate the previously reported mileage values and status.

ADHS Information Management System

State: KY Corridor: Q Section: Q01.0.0

CORRIDOR	SECTION	ALL MILES	NON-PARTICIPATING MILES	PARTICIPATING MILES	STATUS 5 NEW	STATUS 5 EXISTING	STATUS 4 NEW	STATUS 4 EXISTING	STATUS 3A3B OR 3A3D	STATUS 3A2	STATUS 3A3A OR 3A3C	STATUS 1	COMMENTS
Q	Q01.0	2.5		2.5								2.5	Yes
Q	Q01.1.0	0.7		0.7						(0.7)		0.7	No
Q	Q02.0.0	2.0		2.0						(2.0)		2.0	No
Q	Q02.1.0	2		1.2						(1.2)		1.2	No
Q	Q02.2.0	0.5		0.5						(0.5)		0.5	No
Q	Q02.3.0	0.5		0.5			0.2			0.3(0.5)			No
Q	Q03.0.0	1.6		1.6			0.2		1.4(1.6)				No
Q	Q04.0.0	2.6		2.6			0.5		2.1(2.6)				No
Q	Q05.0.0	1.6		1.6					1.6(1.6)				No
Q	Q05.1.0	3.3		3.3				(0.8)	3.3(2.5)				No
Q	Total	16.5		16.5			0.9		8.4	0.3		6.9	
State	Total	574.7	148.4	426.3	8.2		0.9		14.0	0.3		402.9	
	Open	402.9	0.0										94.5%
	Constr	14.3	0.0										3.4%
	Design	9.1	0.0										2.1%

Select the appropriate State and corridor from the **State** and **Corridor** drop-down menu. The sections will be populated by the corridor to which they belong.

State: AL Corridor: V Section: A 01.0.0

Drop down menus for state, corridor and section selection. Selecting a state, Corridor, or section will refresh the table with the Annual Status information .It allows the user to begin an edit session in which a user can update the status of a particular section



Refresh button will refresh the display to reflect current or any changes made to the data (status code, mileage, comments, etc.)



Use this button to generate a printer friendly view and send to a local printer. When you finish printing, click the toggle button to go back to the edit mode.

History Pane

CORRIDOR	SECTION	ALL MILES	NON-PARTICIPATING MILES	PARTICIPATING MILES	STATUS 5 NEW	STATUS 5 EXISTING	STATUS 4 NEW	STATUS 4 EXISTING	STATUS 3A3B OR 3A3D	STATUS 3A2	STATUS 3A3A OR 3A3C	STATUS 1	COMMENTS
G	G01.0.0	0.1		0.1								0.1	No
History													
PRIMARY				SECONDARY				EXISTING		YEAR		COMMENTS	
STATUS CODE		MILEAGE		STATUS CODE		MILEAGE							
1A		0.1						E		2008			

The highlighted button will open a history pane for the particular section, drawing historical status codes, and splits (secondary status) from previous years (Annual status changes).

In the event that only one update has been applied to the section, only the last year the update was performed in will appear.

Editing Annual Status

1. Once you have selected the appropriate corridor click the **Edit** text to begin an edit session.

State: WV Corridor: H Section: H10.0.0

CORRIDOR	SECTION	ALL MILES	NON-PARTICIPATING MILES	PARTICIPATING MILES	STATUS 5 NEW	STATUS 5 EXISTING	STATUS 4 NEW	STATUS 4 EXISTING	STATUS 3A3B OR 3A3D	STATUS 3A2	STATUS 3A3A OR 3A3C	STATUS 1	COMMENTS
Edit	H	H01.0.0	0.4	0.4									No
Edit	H	H01.1.0	6.9	6.9								6.9	No
Edit	H	H02.0.0	1.2	1.2								1.2	No
Edit	H	H03.0.0	2.6	2.6								2.6	No
Edit	H	H04.0.0	0.5	0.5								0.5	No
Edit	H	H04.1.0	0.9	0.9								0.9	No
Edit	H	H05.0.0	0.9	0.9								0.9	No
Edit	H	H06.0.0	2.4	2.4								2.4	No
Edit	H	H06.1.0	1.3	1.3								1.3	No
Edit	H	H06.2.0	3.1	3.1								3.1	No

2. When you are ready to begin the update process click on the **status code** of the section you would like to modify.
3. From the **drop-down menu**, in the “PRIMARY” tab, select the appropriate status to reflect the new updated status of the section of your choice.

*For more information on Status Codes see Table B-2 in the Cost to Complete Estimate Guidelines page 22
<http://www.eadhs.org/statuscodetable.pdf>

The **box will change its color to indicate an appropriate box selection.

4. A **comment box** is available for any comment input. New comments will not overwrite previous comments and will be written to the 2014 comment field to preserve the historical information related to any section.
5. If you are finished updating the information, please click the **update** button to save your edits and refresh the data view. A message alert, in green, at the bottom left pane will indicate that a section had been updated.

	B	Total	18.6	2.4	20.6
	State	Total	298.8	101.7	201.5
	Open	178.2	0.0		88.4%
	Constr	0.0	0.0		0.0%
	Design	23.3	0.0		11.6%

ADHS Section B 01.0.0 updated.

- A user may want to revert any status change that was saved during the 2014 edit session. Click the revert button to roll back to the last reported status and delete the newly added update from the system.

COMMENTS

I have a comment

Update
Revert
Cancel

- The "MILEAGE" field is the total length of the section in miles ("SECTION LENGTH"). In a section with no subsections, "MILEAGE" will always be the same as "SECTION LENGTH".
- Once changes are made to the status code and saved to the system, they will be reflected in the HISTORY pane so that the user can verify the changes had been noted and saved appropriately.

Refresh Data Toggle Printer Friendly View

CORRIDOR	SECTION	ALL MILES	NON-PARTICIPATING MILES	PARTICIPATING MILES	STATUS 5 NEW	STATUS 5 EXISTING	STATUS 4 NEW	STATUS 4 EXISTING	STATUS 3A3B OR 3A3D	STATUS 3A2	STATUS 3A3A OR 3A3C	STATUS 1	COMMENTS
▼ Edit	B	B 01.0.0	0.3	0.3								0.3(0.3)	Yes

History

PRIMARY		SECONDARY		EXISTING	YEAR	COMMENTS
STATUS CODE	MILEAGE	STATUS CODE	MILEAGE			
1B	0.3			E	2014	I have a comment
1A	0.3			E	2008	

Sections with sub sections (Splits)

Some sections have a sub section and will require a secondary status code. You can control a split section reporting by, first, selecting the "PRIMARY" status code and key in the appropriate mile included in the section. Then, on the "SECONDARY" tab, select from the drop-down box the secondary status code for the sub section, or split section and key in the appropriate miles included in this section.

The total mileage of the primary section and the secondary section **must be equal** to the total mileage reported in the "SECTION LENGTH" Field.

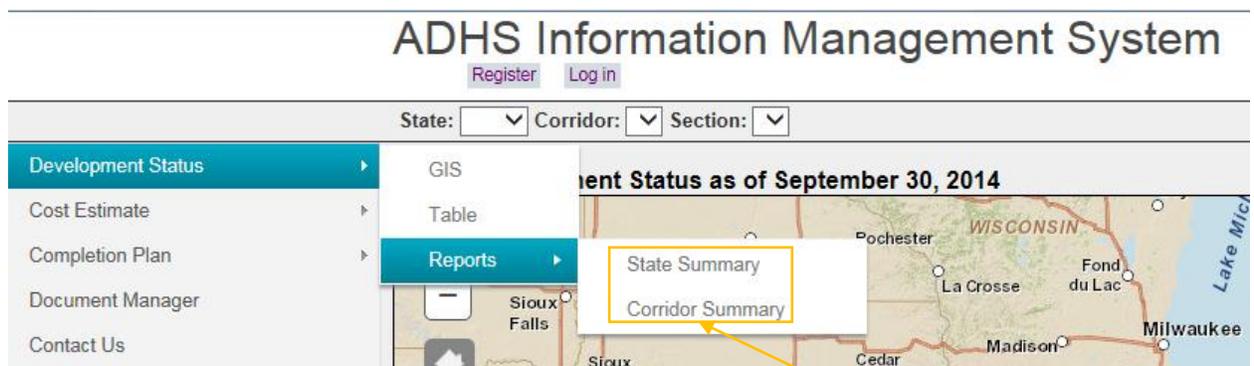
SECTION ID	PRIMARY		SECONDARY		SECTION LENGTH	YEAR	COMMENTS	
	STATUS CODE	MILEAGE	STATUS CODE	MILEAGE				
A 01.0.0	1B	2.000	3A2	0.900	2.900	2014	Add	Revert

PRIMARY		SECONDARY		YEAR
STATUS CODE	MILEAGE	STATUS CODE	MILEAGE	
1B	2.000	3A2	0.900	2014
3A2	2.900			2011
3A3D	2.900			2008

Reports

Development status reports are accessible through the ADHS Information Management System menu:

Development Status > Reports



There are two Development Status reports available: **State Summary and Corridor Summary**

The state summary report lists information by state:

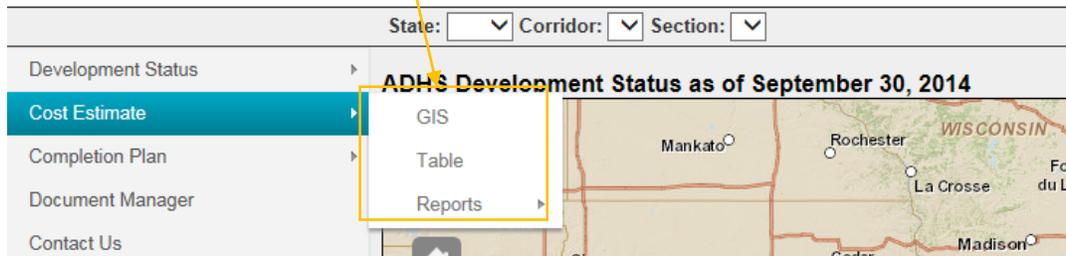
STATE	ALL MILES	NON-PARTICIPATING MILES	PARTICIPATING MILES	NOT OPEN TO TRAFFIC			OPEN TO TRAFFIC	
				LOCATION STUDY	DESIGN OR ROW	CONSTRUCTION UNDERWAY	REMAINING STAGE CONSTRUCTION	ALL WORK COMPLETE
AL	308.4	12.7	295.7	43.3	19.2	12.5	59.8	160.9
GA	142.9	10.4	132.5	20.5	11.1			100.9
KY	574.7	148.4	426.3	8.2	0.9	14.3		402.9
MD	86.8	3.6	83.2	2.5			3.7	77.0
MS	127.9	10.4	117.5		8.3			109.2
NC	207.0	2.7	204.3	18.1			8.0	178.2
NY	272.0	50.0	222.0				1.3	220.7
OH	303.2	101.7	201.5	7.1	16.2			178.2
PA	606.1	153.0	453.1	87.4	14.5	11.4	2.9	336.9
SC	30.7	7.8	22.9					22.9
TN	372.6	43.3	329.3	14.1	3.4	5.9	68.6	237.3
VA	204.6	12.4	192.2	14.7	7.5	7.3	1.2	161.5
WV	424.8	15.2	409.6	15.3	14.9	15.8	0.9	362.7
Total	3661.7	571.6	3090.1	231.2	96.0	67.2	146.4	2549.3
Percent				7.5%	3.1%	2.2%	4.7%	82.5%

The Corridor summary report lists information by corridor:

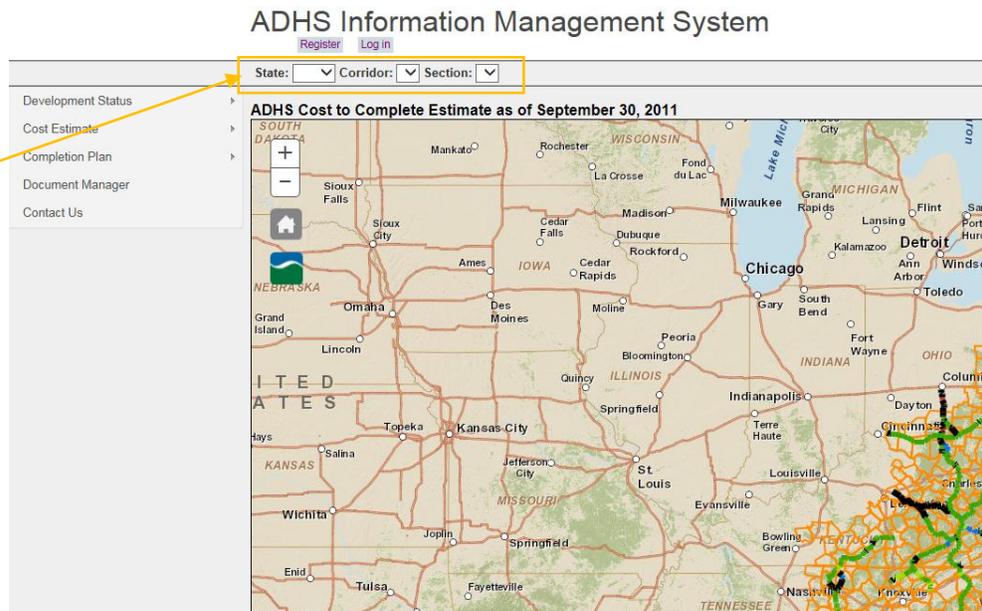
CORRIDOR	STATE	ALL MILES	NON-PARTICIPATING MILES	PARTICIPATING MILES	NOT OPEN TO TRAFFIC			OPEN TO TRAFFIC	
					LOCATION STUDY	DESIGN OR ROW	CONSTRUCTION UNDERWAY	REMAINING STAGE CONSTRUCTION	ALL WORK COMPLETE
A	GA	127.1	10.4	116.7	20.5	10.5			85.7
A	NC	82.7	0.8	81.9				7.3	74.6
	Total	209.8	11.2	198.6	20.5	10.5		7.3	160.3
A1	GA	15.8		15.8		0.6			15.2
	Total	15.8		15.8		0.6			15.2
B	KY	144.7	5.7	139.0					139.0
B	NC	31.4	0.4	31.0					31.0
B	OH	23.0	2.4	20.6		16.2			4.4
B	TN	57.4		57.4				5.8	51.6
B	VA	61.5	4.0	57.5					57.5
	Total	318.0	12.5	305.5		16.2		5.8	283.5

Cost Estimate

The Cost Estimate tool is accessible from the main ADHS Information management system with three submenus available: **GIS**, **Table** and **Reports**.

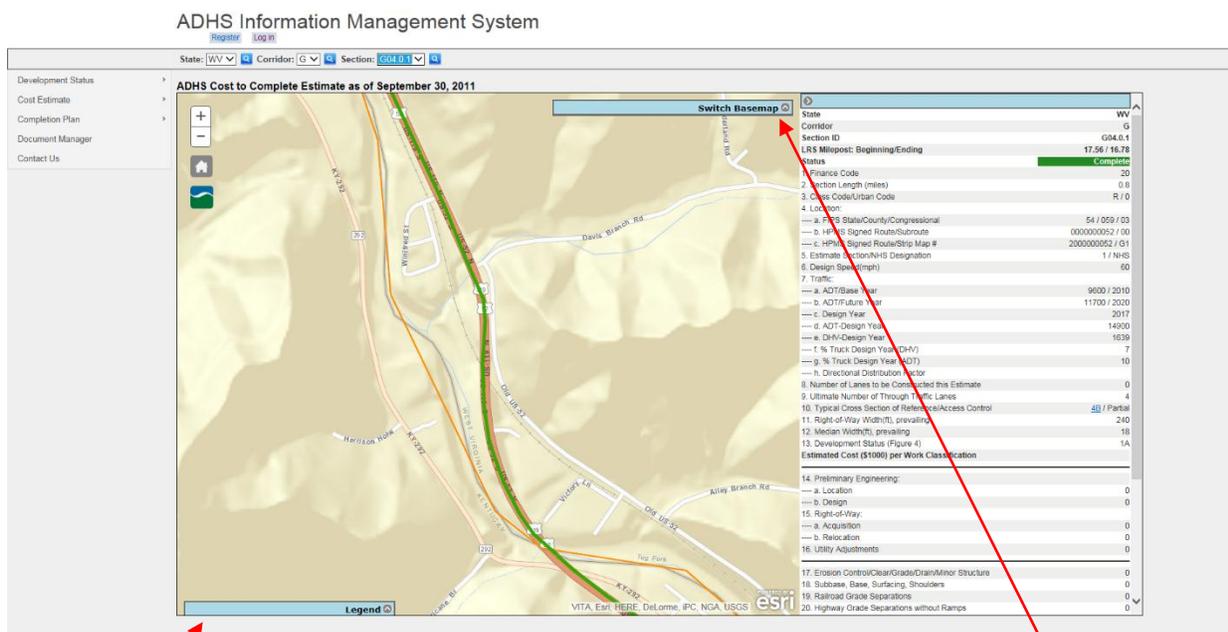


To navigate to a specific State, Corridor, and Section you will use the **Corridor Browser** menu box located at the top, left of the map screen





By clicking on the drop down arrow you will be able to pick your state. The map will zoom to the selected State. When the loading indicator disappears, you can pick the Corridor you are interested in. The map screen will zoom to the selected Corridor. When the loading indicator disappears, you can then pick the Section you are interested in. The map will zoom into the Section you have requested. The image will appear like the one seen on the next page. Your selected section will be located in the center of the screen. At any point you can change the State, Corridor, and Section selections to something else by using the drop down boxes.



The ADHS Cost Estimate GIS view is similar to the Development Status GIS view. The **Switch Basemap** and

Legend drop down menus, the zoom , the default extent , and toggle region  buttons are here. There is much more information available through this site than is readily visible. Below is an example of detailed information available for the many sections of the ADHS. Zooming in on a section and click will select the section to be viewed. (A) is showing the map view centered on one highway section. (B) is showing the highway section as the mouse hovers over the section.

(C) is a screenshot of a table that appears once the section has been selected. The table (C) is where ADHS Table B can be edited; this will be described more in-depth later in the manual.



(A)

(B)

State: WV Corridor: H Section: H03.0.0

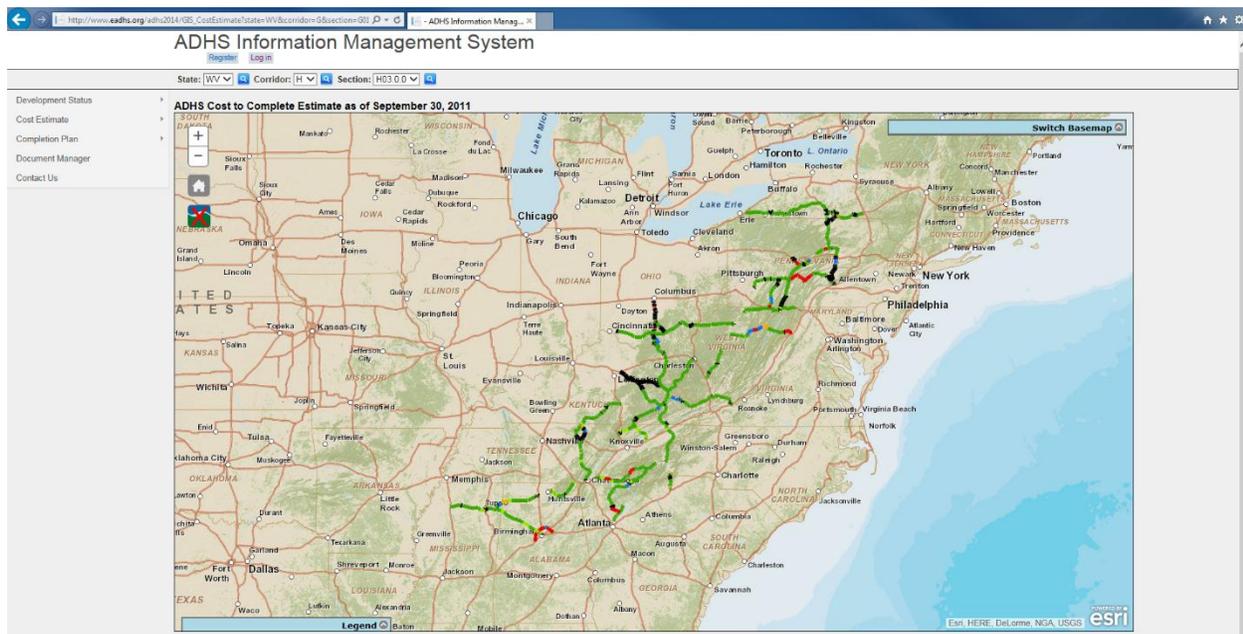
ADHS Cost to Complete Estimate as of September 30, 2011

State	WV
Corridor	H
Section ID	H03.0.0
LRS Milepost: Beginning/Ending	1.22 / 3.83
Status	Complete
1. Finance Code	20
2. Section Length (miles)	2.6
3. Class Code/Urban Code	R / 0
4. Location:	
--- a. FIPS State/County/Congressional	54 / 097 / 02
--- b. HPMS Signed Route/Subroute	000000033 / 00
--- c. HPMS Signed Route/Strip Map #	200000033 / H2
5. Estimate Section/NHS Designation	1 / NHS
6. Design Speed(mph)	60
7. Traffic:	
--- a. ADT/Base Year	13500 / 2010
--- b. ADT/Future Year	17800 / 2020
--- c. Design Year	1999
--- d. ADT-Design Year	18600
--- e. DHV-Design Year	1859
--- f. % Truck Design Year (DHV)	10
--- g. % Truck Design Year (ADT)	12
--- h. Directional Distribution Factor	
8. Number of Lanes to be Constructed this Estimate	0
9. Ultimate Number of Through Traffic Lanes	4
10. Typical Cross Section of Reference/Access Control	1A / Partial
11. Right-of-Way Width(ft), prevailing	275
12. Median Width(ft), prevailing	40
13. Development Status (Figure 4)	1A
Estimated Cost (\$1000) per Work Classification	
14. Preliminary Engineering:	
--- a. Location	0
--- b. Design	0
15. Right-of-Way:	
--- a. Acquisition	0
--- b. Relocation	0
16. Utility Adjustments	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0
18. Subbase, Base, Surfacing, Shoulders	0
19. Railroad Grade Separations	0
20. Highway Grade Separations without Ramps	0

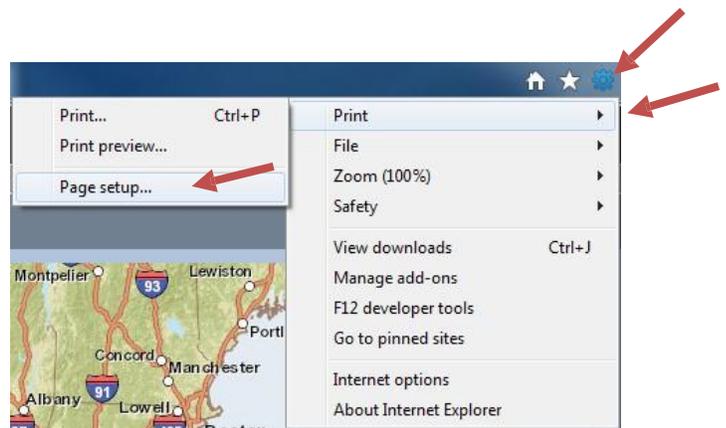
(C)

Map Printing

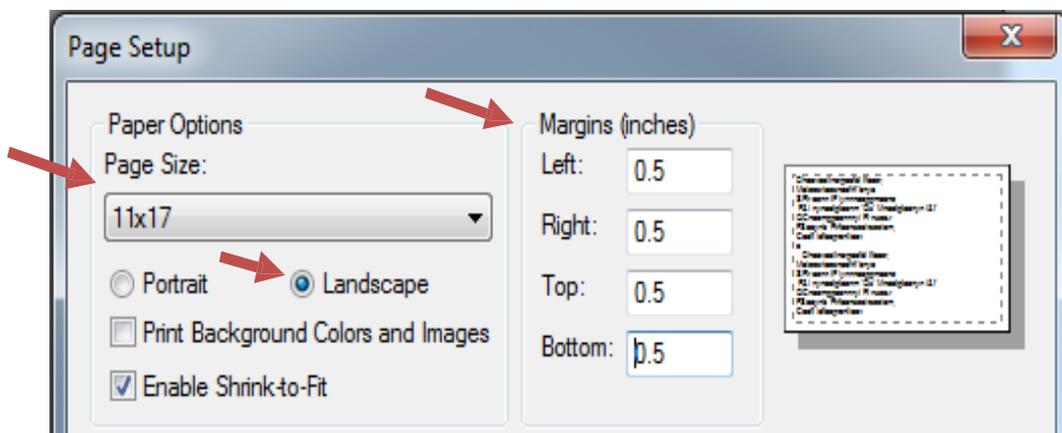
1. On the map page, use the State, Corridor, and Section toolbar to focus on the region needed, making it more suitable for printing. It will look similar to the image below.



- Before printing the document, a few things need to be changed in the Page Setup. Click on the Print menu and click Page Setup, as seen below.



- On the Page Setup window that will pop up, there are many options. The three important options to look at are Paper Size, Orientation, and Margins.

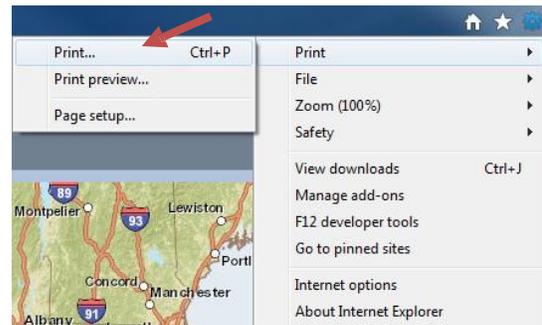


- If you want to change the Paper Size, select the desired dimensions from the drop

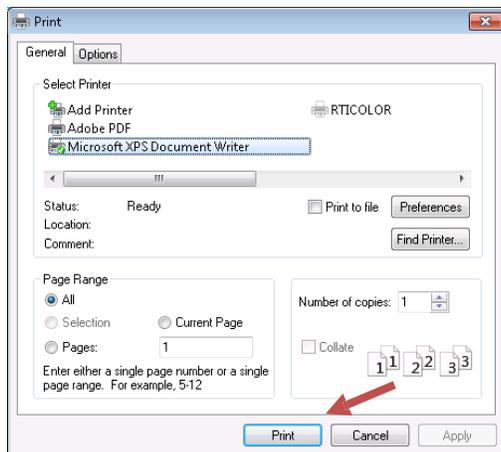
down list. Available dimensions are printer dependent, so it may be necessary to set the default printer to the appropriate printer before opening Internet Explorer.

5. Change the Orientation from Portrait to Landscape by clicking the Landscape button.
6. Now change the Margins (all four of them) to 0.5 inches.
7. Click OK to return to the browser window.

8. You are now ready to print. Click on the Gear menu and click Print and Print again, as seen to the right.



9. After the Print window is displayed, select the printer you wish to print to and then click Print, as seen below.



10. Your document should begin printing. If the printed map doesn't fit on the paper, consider changing the Margins on the Page Setup window (refer to steps 3 and 4).

Introduction to Table Navigation

1. Click the Table button to open and view a table of corridor sections. An example of the Table can be seen below.



Table B is the Design Classification and Cost Estimate Sections with Corridor Totals table. This table contains very detailed information, by Section ID, regarding designs of the sections and the corresponding costs. Table B also contains information on the current status of the various status; the status is highlighted in bright colors, like the green and orange as seen in the example below.

State: AL Corridor: V Section: A 01.0.0

Page: 1 of 4

Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

Section ID	A 01.0.0	A 01.1.0	A 02.0.0	A 03.0.0	A 07.1.0	A 11.0.0
LR Milepost: Beginning/Ending	0.000 / 2.900	2.900 / 5.100	5.100 / 13.600	13.600 / 21.400	13.990 / 14.800	33.820 / 35.030
Status	Final Construction	Final Construction	Final Construction	Stage Construction	Stage Construction	Final Construction
1. Finance Code	20	20	20	21	21	20
2. Section Length (miles)	2.9	2.2	8.5	7.8	0.8	1.2
3. Class Code/Urban Code	R/0	R/0	R/0	R/0	R/0	U/295
4. Location:						
--- a. FIPS State/County/Congressional	01/059/04	01/059/04	01/059/04	01/059/04	01/079/05	01/103/05
--- b. HPMS Signed Route/Subroute	00XP059A01/00	00XS059024/00	00XS059024/00	00XS059024/00	00XS079024/00	00XS103067/00
--- c. HPMS Signed Route/Strip Map #	0000000024V/1	0000000024V/1	0000000024V/1	0000000024V/2	0000000024V/5	0000000067V/7
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	65	65	65	65	65	65
7. Traffic:						
--- a. ADT/Base Year	2,340/2010	6,160/2010	3,440/2010	4,180/2010	10,500/2010	22,550/2010
--- b. ADT/Future Year	3,300/2020	8,690/2020	4,850/2020	5,890/2020	14,810/2020	31,800/2020
--- c. Design Year	2028	2028	2031	2031	2021	2024
--- d. ADT-Design Year	4,990	12,830	6,620	8,040	15,300	46,310
--- e. DHV-Design Year	549	1,411	728	804	1,680	5,090
--- f. % Truck Design Year (DHV)	14	9	12	11	8	8
--- g. % Truck Design Year (ADT)	18	12	16	15	10	10
--- h. Directional Distribution Factor	60	60	60	60	60	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	2	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	6
10. Typical Cross Section of Reference/Access Control	1 /Partial	2 /Partial	2 /Partial	2 /Partial	1 /Full	3 /Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	54	54	54	54	54	30
13. Development Status (Figure 4)	3A2	3A2	3A2	3A3C	3A3A	3A2
Estimated Cost (\$1000) per Work Classification						
14. Preliminary Engineering:						
--- a. Location	0	0	0	0	0	0
--- b. Design	0	0	0	0	1,228	0
15. Right-of-Way:						
--- a. Acquisition	0	0	0	0	0	0
--- b. Relocation	0	0	0	0	0	0
16. Utility Adjustments	0	0	0	0	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	0	0	505	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	12,533	0	0
19. Railroad Grade Separations	0	0	0	0	0	0
20. Highway Grade Separations without Ramps	0	0	0	0	0	0
21. Interchanges	0	0	0	0	10,867	0
22. Other Bridges, Tunnels, and Walls	0	0	0	0	0	0
23. Traffic Control	0	0	0	0	0	0
24. Environmental Mitigation	0	0	0	0	0	0
25. Roadside Improvements:						
--- a. Landscape Planting	0	0	0	0	0	0
--- b. Rest Area, Overlooks	0	0	0	0	0	0
26. All Other Items	0	0	0	0	0	0
27. Subtotal (Lines 17 to 26)	0	0	0	13,038	10,867	0
28. Construction Engineering (% of Line 27)	0	0	0	1,695	1,413	0
29. Total Cost of Construction (Line 27 & Line 28)	0	0	0	14,733	12,280	0
30. Total Estimated Cost (Line 14, 15, 16, 29 & 5% Contingency)	0	0	0	15,470	14,183	0

2. Use the drop down menus at the top to select the sections you would like to view.

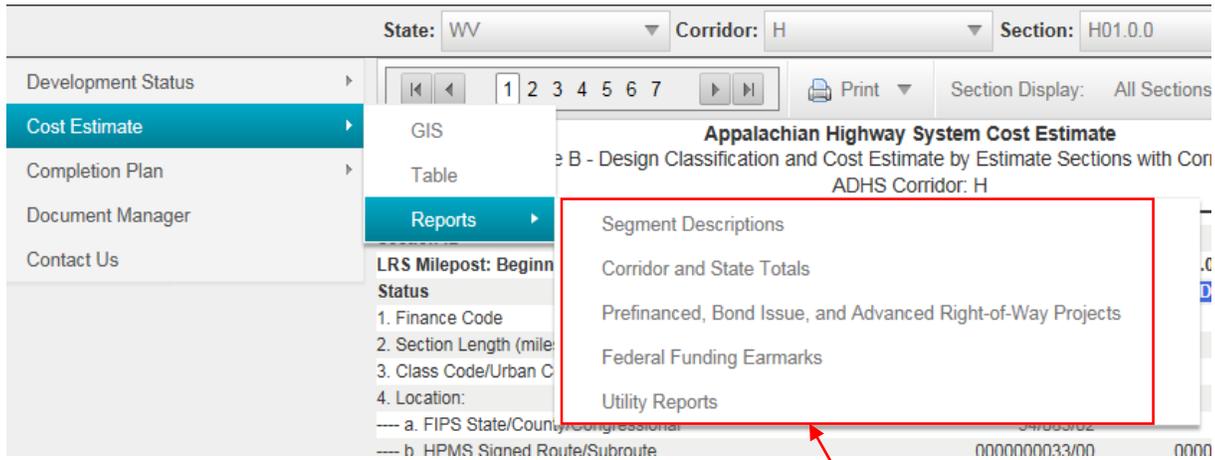
State: AL Corridor: V Section: A 01.0.0

3. If the table has multiple pages, use the Page Navigation toolbar to navigate through the pages.

Page Navigation toolbar: 1 2 3 4, Print, Section Display: All Sections, Incomplete Sections Only

4. In Table B, you have the option of whether or not to show completed sections on the table.

Editing Tables



Tables are accessed by navigating to **Cost Estimate>Reports>Pick the desired table.**

Editing Fields

Note: The only table that cannot be edit by the following methods is Table C, this table contains information created in Table B.

For tables A, B, D, and E, use the following instructions for editing fields:

1. Ensure that you are in the table that you intend to edit.
2. Where appropriate, navigate to the corridor and section that will be edited.
3. For each field on any of these four (4) tables, double-click the field and begin typing.
4. As long as you are signed in, your changes will be automatically saved after you press enter or change the field.

Below are examples from Table A, B, D, and E.:

State: WV Corridor: H Section: H01.0.0

TABLE A
Appalachian Corridor Segment Descriptions
State/Commonwealth of WV

	State	Corridor	Principal Existing Route Numbers	Description	Eligible (miles)	Ineligible (miles)	Order
Delete Edit	WV	D	US 50	Ohio-West Virginia State Line at Parkersburg to I-77	9.8	0	1
Delete Edit	WV	D	US 50	I-77 Interchange	0	0.1	2
Delete Edit	WV	D	US 50	I-77 to Clarksburg and thru Clarksburg	68.1	1.5	3
Delete Edit	WV	D	US 50	Clarksburg to I-79 and I-79 Interchange	2.3	0.5	4
Delete Edit	WV	E	I-68	Interstate 79 near Morgantown to West Virginia-Maryland State Line	32.2	0	5
Delete Edit	WV	G	US 119/WV 214	Kentucky-West Virginia State Line at Williamson to I-64 in Charleston	78.2	0	6
Delete Edit	WV	G	US 119/WV 214	I-64 Interchange	0	1.4	7
Delete Edit	WV	H	US 33	I-79 Interchange near Weston	0	0.4	8
Delete Edit	WV	H	US 33/WV 55	I-79 to Wardensville	130.1	0	9
Delete Edit	WV	H	US 33/WV 55	Wardensville to 1.6 miles west of WV/VA State Line	0	1.5	10

Page size: 10 21 items in 3 pages

State: AL Corridor: V Section: A 01.0.0

Section Display: All Sections **Incomplete Sections Only**

Appalachian Highway System Cost Estimate
Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals
State: AL ADHS Corridor: V Page: 1 of 4

Section ID	A 01.0.0	A 01.1.0	A 02.0.0	A 03.0.0	A 07.1.0	A 11.0.0
LRS Milepost: Beginning/Ending	0.000 / 2.900	2.900 / 5.100	5.100 / 13.600	13.600 / 21.400	13.990 / 14.800	33.820 / 35.030
Status	Final Construction	Final Construction	Final Construction	Stage Construction	Stage Construction	Final Construction
1. Finance Code	20	20	20	21	21	20
2. Section Length (miles)	2.9	2.2	8.5	7.8	0.8	1.2
3. Class Code/Urban Code	R/0	R/0	R/0	R/0	R/0	U/295
4. Location:						
--- a. FIPS State/County/Congressional	01/059/04	01/059/04	01/059/04	01/059/04	01/079/05	01/103/05
--- b. HPMS Signed Route/Subroute	00XP059A01/00	00XS059024/00	00XS059024/00	00XS059024/00	00XS079024/00	00XS103067/00
--- c. HPMS Signed Route/Strip Map #	0000000024/V/1	0000000024/V/1	0000000024/V/1	0000000024/V/2	0000000024/V/5	0000000067/V/7
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	65	65	65	65	65	65
7. Traffic:						
--- a. ADT/Base Year	2,340/2010	6,160/2010	3,440/2010	4,180/2010	10,500/2010	22,550/2010
--- b. ADT/Future Year	3,300/2020	8,690/2020	4,850/2020	5,890/2020	14,810/2020	31,800/2020
--- c. Design Year	2028	2028	2031	2031	2021	2024
--- d. ADT-Design Year	4,990	12,830	6,620	8,040	15,300	46,310
--- e. DHV-Design Year	549	1,411	728	804	1,680	5,090
--- f. % Truck Design Year (DHV)	14	9	12	11	8	8
--- g. % Truck Design Year (ADT)	18	12	16	15	10	10
--- h. Directional Distribution Factor	60	60	60	60	60	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	2	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	6
10. Typical Cross Section of Reference/Access Control	1/Partial	2/Partial	2/Partial	2/Partial	1/Full	3/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	54	54	54	54	54	30
13. Development Status (Figure 4)	3A2	3A2	3A2	3A3C	3A3A	3A2
Estimated Cost (\$1000) per Work Classification						

State	Corridor	Estimate Section (Milepost)	Project Number	Work Class	Rural or Urban	APD Funds	State Funds	Total Cost
WV	H	H33.0.0, H35.0.0, H36.0.0, H37.0.0, H38.0.0	APD-0484(246)	Construction	Rural	8689215	2172303	44637165
WV	H	H38.0.0, H40.0.0, H42.0.0, H43.0.0	APD-0484(299)	Construction	Rural	7421965	1855491	9277456

State	Name of the Act	Section in the Act	ADHS Corridor	FHWA Approp. Code	Description	Total Amount of Federal Funds Authorized	Total Amount of Federal Funds Not Obligated
WV	FY 2002 Appropriation	107-0087	D	54F	WV APD Corridor D	30000000	480000
WV	FY 2006 Appropriation	102-0240 1069	H	54N	WV APD Corridors (D or H)	19800000	52400

Insert Rows

In order to add a row for new corridor information, right-click on one of the existing corridor information rows. A small Insert/Delete menu will appear, left-click insert and a row will be added above the corridor information row that you originally clicked.

1. The tables already contains corridor segments, right-click on one of the rows in the table, then click **Insert** to add a new row for adding corridor information.



Corridor	Principal Existing Route Numbers	Description
A	US 19/ SR 400	Interstate 285 to proposed SR-515 near Cumming
A	SR-515 (proposed)	Junction with SR-400 to I-575 near Canton
A	I-575/ SR 515	Junction with proposed SR-515 near Canton to end of I-575 near Ball Ground
A	US 76 and SR-515	End of I-575 near Ball Ground to North Caolina
A1	US 19/ SR 400	Junction with proposed SR 515 near Cumming to SR-53 east of Dawsonville

This will add a new line *above* the line where you selected the insert button.

2. Click inside any section on the new line you just added, in order to edit.
3. Now, simply click once on each section and enter the corresponding Corridor, the Principal Existing Route Numbers, the Segment Descriptions, the Eligible miles, or the Ineligible miles for a segment in your state in the boxes.

- As long as you are logged in, the information you enter will automatically be saved. The information you just added will appear as the rest of the table entries when you click anywhere outside of the row you have been editing.

Delete Rows

If there is an error in the table, you may right click the row containing the error. Right clicking the row will open the Insert/Delete options, as seen to the right. Select Delete, then a warning box will pop up to verify your request to delete the whole row. Click OK, and the row will be deleted.

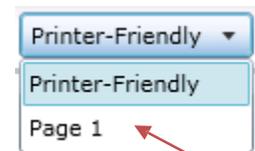


Printing Tables

- Click the Printer Friendly Version link on any of the table pages, it will be located in the same place, as seen in the example below.

TABLE E Federal Funds earmarked for the ADHS that were not obligated State/Commonwealth of New York						
Name of the Act	Section of the Act	ADHS Corridor	FHWA Appro Code	Description of the Project	Total Amount of Federal Funds Authorized	Remaining Amount of Federal Funds Not Obligated
SAFETEA-LU	1702	T	HY10, LY10	Build Route 15, Pennsylvania to Presho	8,000,000	8,000,000
SAFETEA-LU	1702	U1	HY20, LY20	Conversion of NY Route 15 to I-99 Road Improvements	1,000,000	1,000,000

If your table has multiple pages, the Printer-Friendly button will be a dropdown menu where you may select which page to view in a printer-friendly format.

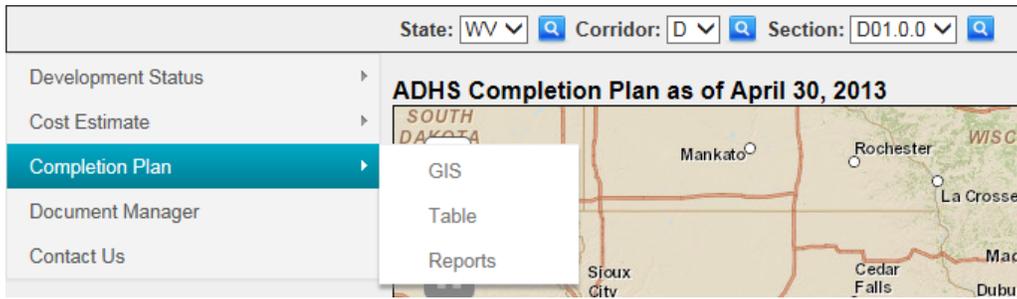


- Select the page number in the Printer-Friendly menu, and a printer-friendly version of the table will load in a new window. This can be seen in an example of Table A below.

5:11:30 PM		TABLE A Appalachian Corridor Segment Description			3/2/2006	
Page 1 of 1		State/Commonwealth of: South Carolina				
Corridor Letter	Principal Existing Route Numbers	Segment Descriptions			Eligible (miles)	Ineligible (miles)
W	US 25	From I-85 to south of Road S-199			9.9	
W	US 25	From south of Road S-199 to south of Road S 170				0.8
W	US 25	From south of Road S 170 to south of Road SC 11			13.0	
W	US 25	From south of SC 11 to the North Carolina State Line				7.0
Total					22.9	7.8

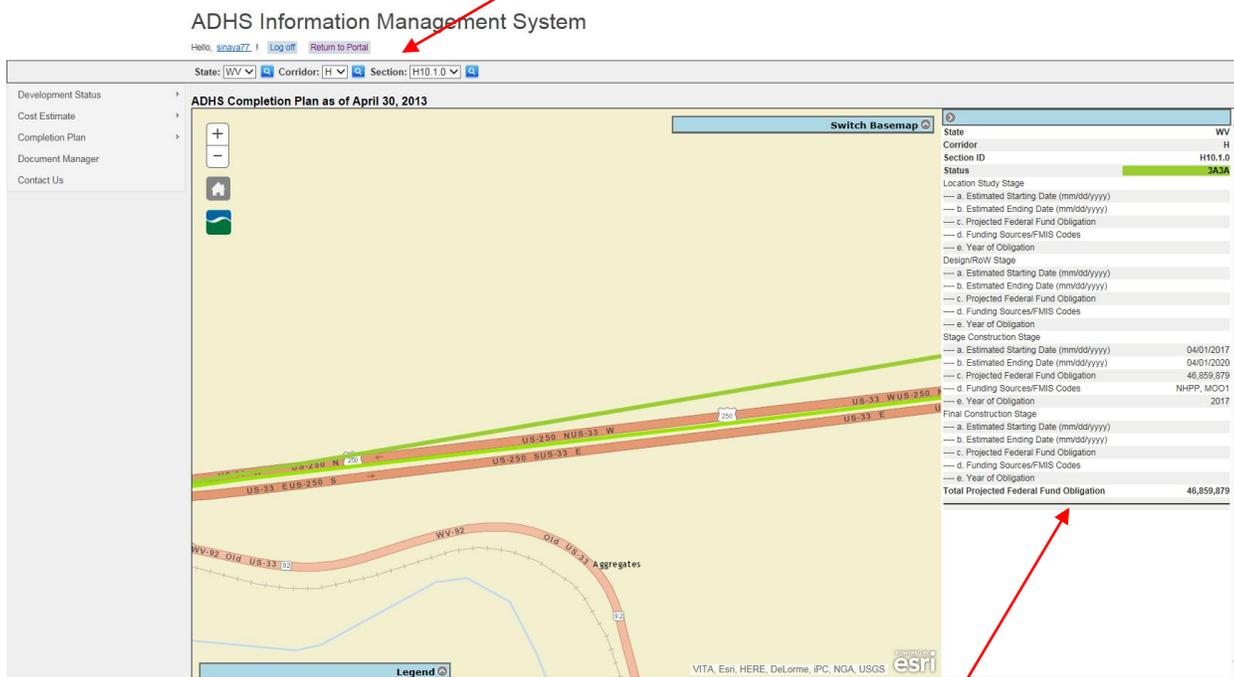
See Map Printing (page 7) for detailed print setup and printing information.

Completion Plan



GIS

Use the Completion Plan GIS to navigate State, Corridor, and Section.



The Completion Summary for the selected Section is displayed when zoomed in.

Input Data

State: WV Corridor: H Section: H01.0.0

Development Status: Previous Next Show Design Information

Cost Estimate: State WV H WV H

Completion Plan GIS H10.1.0 H12.0.0

Document Manager: Table Comment (as of April 30, 2013) 3A3A 4A3

Contact Us: Reports

Stage

Starting Date (mm/dd/yyyy)

Estimated Ending Date (mm/dd/yyyy)

Click on the **Completion>Table** tab to check and update corridor information data on the corridor completion plan.

State: WV Corridor: H Section: H01.0.0

Previous Next Show Design Information

Appropriate state is selected automatically. Users can select the relevant corridor from the drop down list.

Show design Information box **checked** will display the design information as shown in the following image, in which the sections from 1 to 13 are displayed.

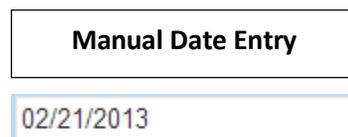
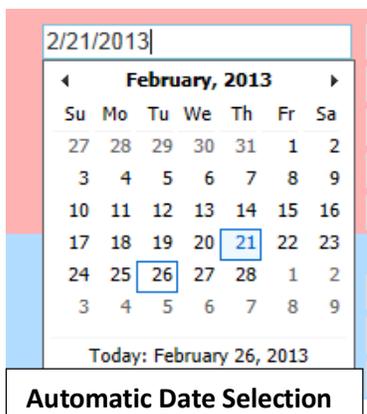
1. Finance Code	20	20	20	21
2. Section Length (miles)	2.9	2.2	8.5	7.8
3. Class Code	R	R	R	R
3. Urban Area Code	0	0	0	0
4a. Location: FIPS State	01	01	01	01
4a. Location: FIPS County	059	059	059	059
4a. Location: FIPS Congressional	04	04	04	04
4b. HPMS Route	00XP059A01	00XS059024	00XS059024	00XS059024
4b. HPMS Subroute	00	00	00	00
4c. HPMS Signed Route	0000000024	0000000024	0000000024	0000000024
4c. Strip Map Number	V1	V1	V1	V2
5. Estimate Section	1	1	1	1
5. NHS Designation	NHS	NHS	NHS	NHS
6. Design Speed (mph)	65	65	65	65
7a. Traffic: ADT-Base Year (2010)	2,340	6,160	3,440	4,180
7b. Traffic: ADT-Year 2020	3,300	8,690	4,850	5,890
7c. Traffic: Design Year	2,028	2,028	2,031	2,031
7d. Traffic: ADT-Design Year	4,990	12,830	6,620	8,040
7e. Traffic: DHV-Design Year	549	1,411	728	804
7f. Traffic: % Truck Design Year (DHV)	14	9	12	11
7g. Traffic: % Truck Design Year (ADT)	18	12	16	15
7h. Traffic: Directional Distribution Factor	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	0	0	0	2
9. Ultimate Number of Through Traffic Lanes	4	4	4	4
10. Typical X-Section of Reference	1	2	2	2
10. Access Control	Partial	Partial	Partial	Partial
11. Right-of-Way Width (ft), prevailing	300	300	300	300
12. Median Width (ft), prevailing	54	54	54	54
13. Status of Development (Figure 4)	3A2	3A2	3A2	3A3C
14. Location Study Stage				
a. Estimated Starting Date (mm/dd/yyyy)	2/21/2013			
b. Estimated Ending Date (mm/dd/yyyy)	5/30/2013			
c. Projected Federal Fund Obligation	450000000			
d. Funding Sources/FMIS Codes	L98			
e. Year of Obligation	2014			
15. Design R/W Stage				
a. Estimated Starting Date (mm/dd/yyyy)				
b. Estimated Ending Date (mm/dd/yyyy)				
c. Projected Federal Fund Obligation				

Show design Information box **Unchecked** will collapse the design information and display only the data entry section.

State Corridor Section ID	WV H H10.1.0	WV H H12.0.0	WV H H12.1.0	WV H H12.2.0
13. Status of Development (as of April 30, 2013)	3A3A	4A3	4A3	4A3
14. Location Study Stage				
a. Estimated Starting Date (mm/dd/yyyy)				
b. Estimated Ending Date (mm/dd/yyyy)				
c. Projected Federal Fund Obligation	0	0	0	0
d. Funding Sources/FMIS Codes				
e. Year of Obligation				
15. Design R/W Stage				
a. Estimated Starting Date (mm/dd/yyyy)		04/01/2019	04/01/2019	04/01/2019
b. Estimated Ending Date (mm/dd/yyyy)		04/01/2021	04/01/2021	04/01/2021
c. Projected Federal Fund Obligation	0	3800000	3800000	3800000
d. Funding Sources/FMIS Codes		NHPP, MOO1	NHPP, MOO1	NHPP, MOO1
e. Year of Obligation		2019	2019	2019
16. Stage Construction Stage				
a. Estimated Starting Date (mm/dd/yyyy)	04/01/2017			
b. Estimated Ending Date (mm/dd/yyyy)	04/01/2020			
c. Projected Federal Fund Obligation	46859879	0	0	0
d. Funding Sources/FMIS Codes	NHPP, MOO1			
e. Year of Obligation	2017			
17. Final Construction Stage				
a. Estimated Starting Date (mm/dd/yyyy)		04/01/2022	04/01/2022	04/01/2022
b. Estimated Ending Date (mm/dd/yyyy)		04/01/2026	04/01/2026	04/01/2026
c. Projected Federal Fund Obligation	0	23585000	23585000	23585000
d. Funding Sources/FMIS Codes		NHPP, MOO1	NHPP, MOO1	NHPP, MOO1
e. Year of Obligation		2022	2022	2022
18. Total Projected Federal Fund Obligation	46,859,879	27,385,000	27,385,000	27,385,000

Data Entry:

The data can be entered by selecting the appropriate box and manually typing in the data. Field designated for date selection allows users to either add the date from a calendar or input the date manually following this format **MM/DD/YYYY**.



To update the data entered click the update button on right corner at the very end of the page.

Users can navigate through the different pages using the Next and Previous buttons.

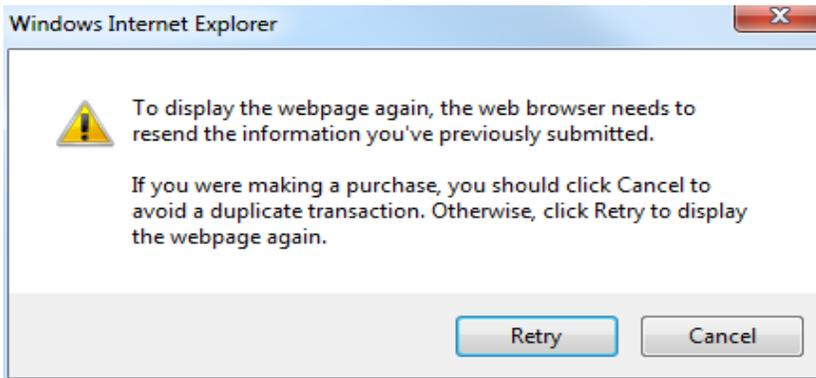


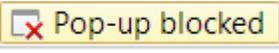
Print Option: On the top right hand corner there is an option  which helps to print the information on the current page.

In **Internet explorer** it will display the message “Internet Explorer blocked a pop-up from www.edhs.org”. Click the “Options for this site” button, which will allow users to choose “Allow Always for this site” in Internet Explorer.

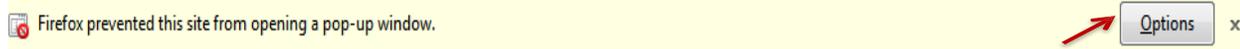


After selecting the “Allow Always for this site” option, click the Retry button in order to display the webpage again. This will show the preview of the page in a new window with a formatted version of the completion plan to facilitate printing using A4 paper.



In **Google Chrome**,  pops in the address bar. Click the , which will give the option to “Allow pop ups for www.edhs.com”. A preview of the page opens in a new window with a formatted version of the completion plan to facilitate printing using A4 paper.

In **Firefox**, the warning message is shown as below stating pop-up is blocked.



Click the “options” button to allow the selection of the “Allow pop-ups for www.eadhs.org”, which will then open the preview page in new window with a formatted version of the completion plan to facilitate printing using A4 paper.

ADHS Completion Plan - Internet Explorer
 http://www.eadhs.org/ADHS2014/PlanPrint

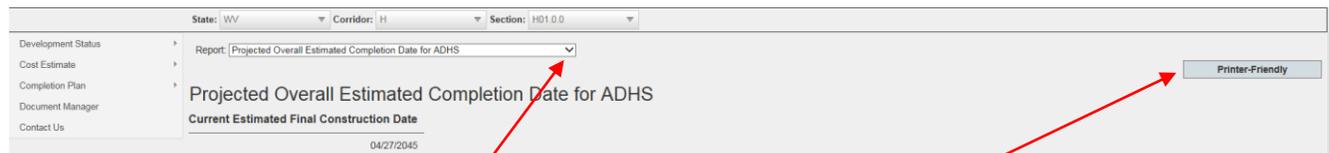
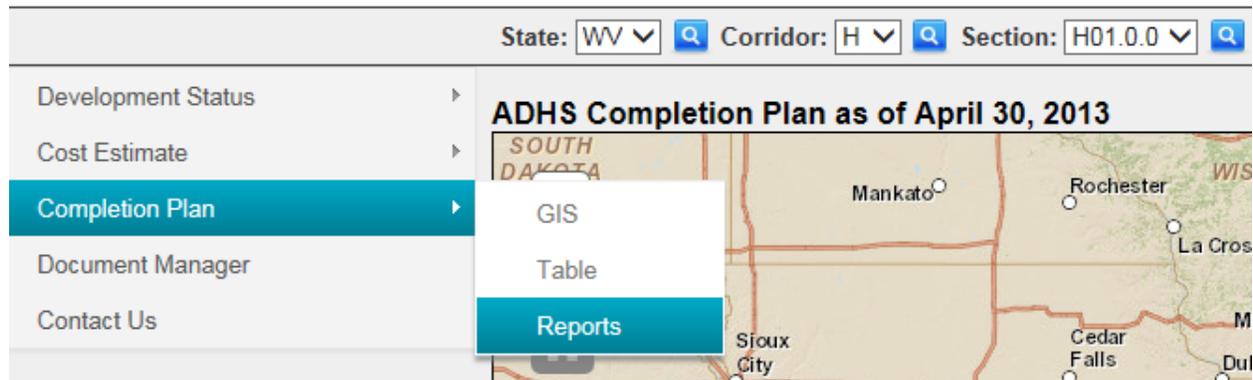
ADHS Completion Plan

State	WV	WV	WV
Corridor	H	H	H
Section ID	H12.3.0	H12.4.0	H12.5.0
1. Finance Code	23	23	23
2. Section Length (miles)	0.2	0.5	0.2
3. Class Code	R	R	R
3. Urban Area Code	0	0	0
4a. Location: FIPS State	54	54	54
4a. Location: FIPS County	083	083	083
4a. Location: FIPS Congressional	02	02	02
4b. HPMS Route	0000033APD	0000033APD	0000033APD
4b. HPMS Subroute	00	00	00
4c. HPMS Signed Route	2000000033	2000000033	2000000033
4c. Strip Map Number	H4	H4	H4
5. Estimate Section	1	1	1
5. NHS Designation	NHS	NHS	NHS
6. Design Speed (mph)	65	65	65
7a. Traffic: ADT-Base Year (2010)	11,900	11,900	11,900
7b. Traffic: ADT-Year 2020	18,800	18,800	18,800
7c. Traffic: Design Year	2,025	2,025	2,025
7d. Traffic: ADT-Design Year	25,100	25,100	25,100
7e. Traffic: DHV-Design Year	2,510	2,510	2,510
7f. Traffic: % Truck Design Year (DHV)	11	11	11
7g. Traffic: % Truck Design Year (ADT)	17	17	17
7h. Traffic: Directional Distribution Factor	55	55	55
8. Number of Lanes to be Constructed this Estimate	4	4	4
9. Ultimate Number of Through Traffic Lanes	4	4	4
10. Typical X-Section of Reference	17	8C	17
10. Access Control	Full	Partial	Full
11. Right-of-Way Width (ft), prevailing	160	450	160
12. Median Width (ft), prevailing	46	46	46
13. Status of Development (as of April 30, 2013)	4A3	4A3	4A3
14. Location Study Stage			
a. Estimated Starting Date			
b. Estimated Ending Date			
c. Projected Federal Fund Obligation	0	0	0
d. Funding Sources/FMIS Codes			
e. Year of Obligation			

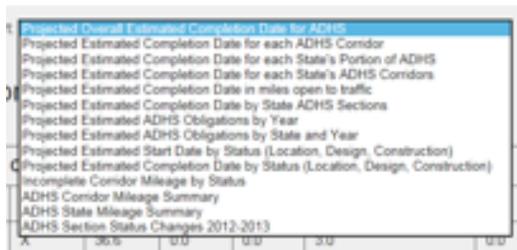
Note: Users can print the currently displaying page. To print all pages, navigate through the pages using the NEXT button, and print them separately.

Reports

Click on the **Completion>Reports** tab to view and print reports.



Drop down menu lists available reports.

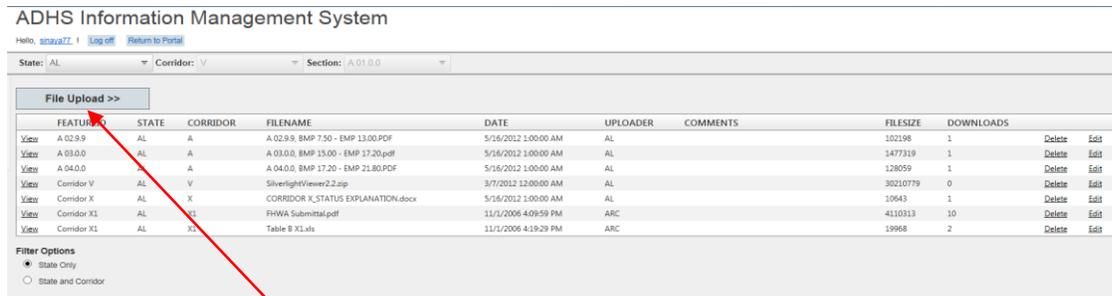
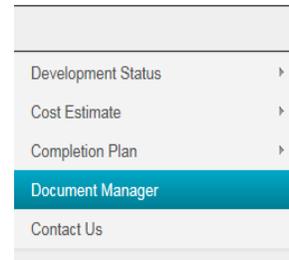


Print Option identical to Completion Plan table print option.

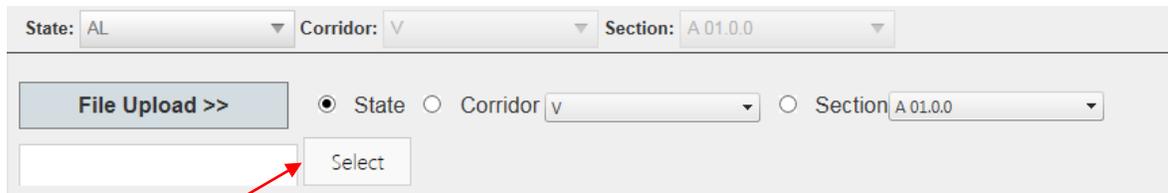
Uploading Documents

To upload documents for use by the Rahall Transportation Institute, you will use the Document Management System (DMS). You must login in order to use the DMS. The Documents button, seen at the right on the main web screen, will open a separate screen that allows you to upload and view documents. The preferred data types for uploading information are CAD, PDF, Word documents, Excel documents, JPEG, or TIFF. You can use the comments box in the Documents screen to inform RTI of the type and purpose of the data being uploaded.

1. Click on the Document Manager button on the main web screen to open the documents screen.



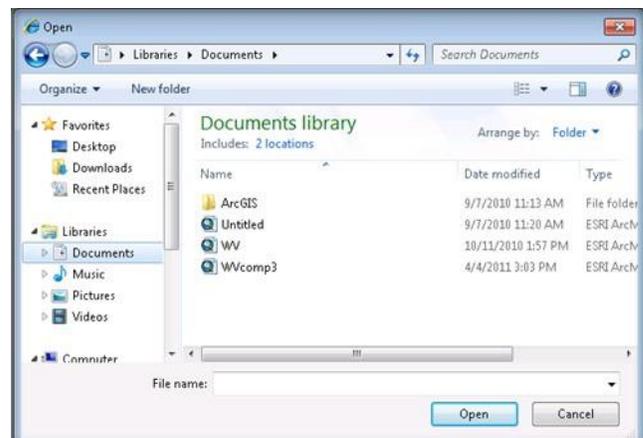
1. Click the File Upload button to expand this menu.
2. In the File Upload menu, select the State radio button to associate the uploaded file with the State. Select Corridor to associate the file with the Corridor and select Section to associate the file with a specific section of the corridor.



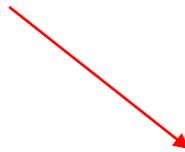
3. Click Select to navigate to the file you would like to upload to the website.

If you have to upload documents to a corridor but not a particular section, use the section dropdown menu and choose a corridor name instead of a section.

4. Navigate to the document you wish to upload. Once selected, click Open and the file will begin uploading.
5. After the file is uploaded, provide some details about the document,



including its purpose, by editing the row, as seen below.



State: WV Corridor: H Section: H01.0.0

File Upload >>

	FEATUREID	STATE	CORRIDOR	FILENAME	DATE	UPLOADER	COMMENTS	FILESIZE	DOWNLOADS		
View	D01.5.0	WV	D	Estimate Section D 1.5.0.pdf	2/13/2007 1:02:55 PM	ARC		156647	0	Delete	Edit
View	H101.0.0	WV	H	H 101.0.pdf	2/13/2007 1:03:23 PM	ARC		98110	1	Delete	Edit
View	H11.0.0	WV	H	H 11.0.0.pdf	2/13/2007 1:03:34 PM	ARC		104247	1	Delete	Edit
View	H31.0.0	WV	H	H 31.0.0.pdf	2/13/2007 1:03:52 PM	ARC		283777	0	Delete	Edit
View	H46.0.0	WV	H	H 46.0.0.pdf	2/13/2007 1:04:01 PM	ARC		104398	0	Delete	Edit
View	H50.0.0	WV	H	H 50.0.0.pdf	2/13/2007 1:05:18 PM	ARC		171514	2	Delete	Edit
View	H51.0.0	WV	H	H 51.0.0.pdf	2/13/2007 1:05:26 PM	ARC		205693	1	Delete	Edit
View	H52.0.0	WV	H	H 52.0.0.pdf	2/13/2007 1:05:34 PM	ARC		158923	1	Delete	Edit
View	H53.0.0	WV	H	H 53.0.0.pdf	2/13/2007 1:05:43 PM	ARC		114608	0	Delete	Edit
View	H55.0.0	WV	H	H 55.0.0.pdf	2/13/2007 1:05:51 PM	ARC		87792	0	Delete	Edit

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ADHS Information Management System

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