



OHIO



2012 ESTIMATE
OF THE COST TO COMPLETE
THE APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM
IN THE STATE OF OHIO

May 2012
(Data as of September 30, 2011)

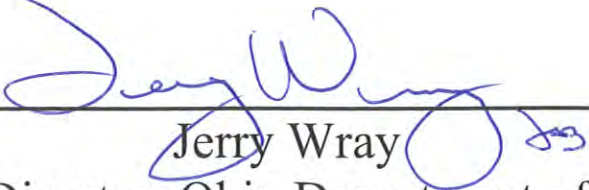
Prepared by the Ohio Department of Transportation

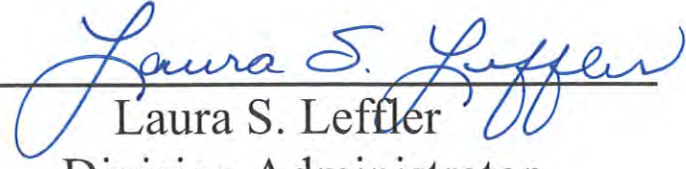
In Cooperation with the

U.S. Department of Transportation
Federal Highway Administration
Appalachian Regional Commission
and the

Nick J. Rahall, II Appalachian Transportation Institute

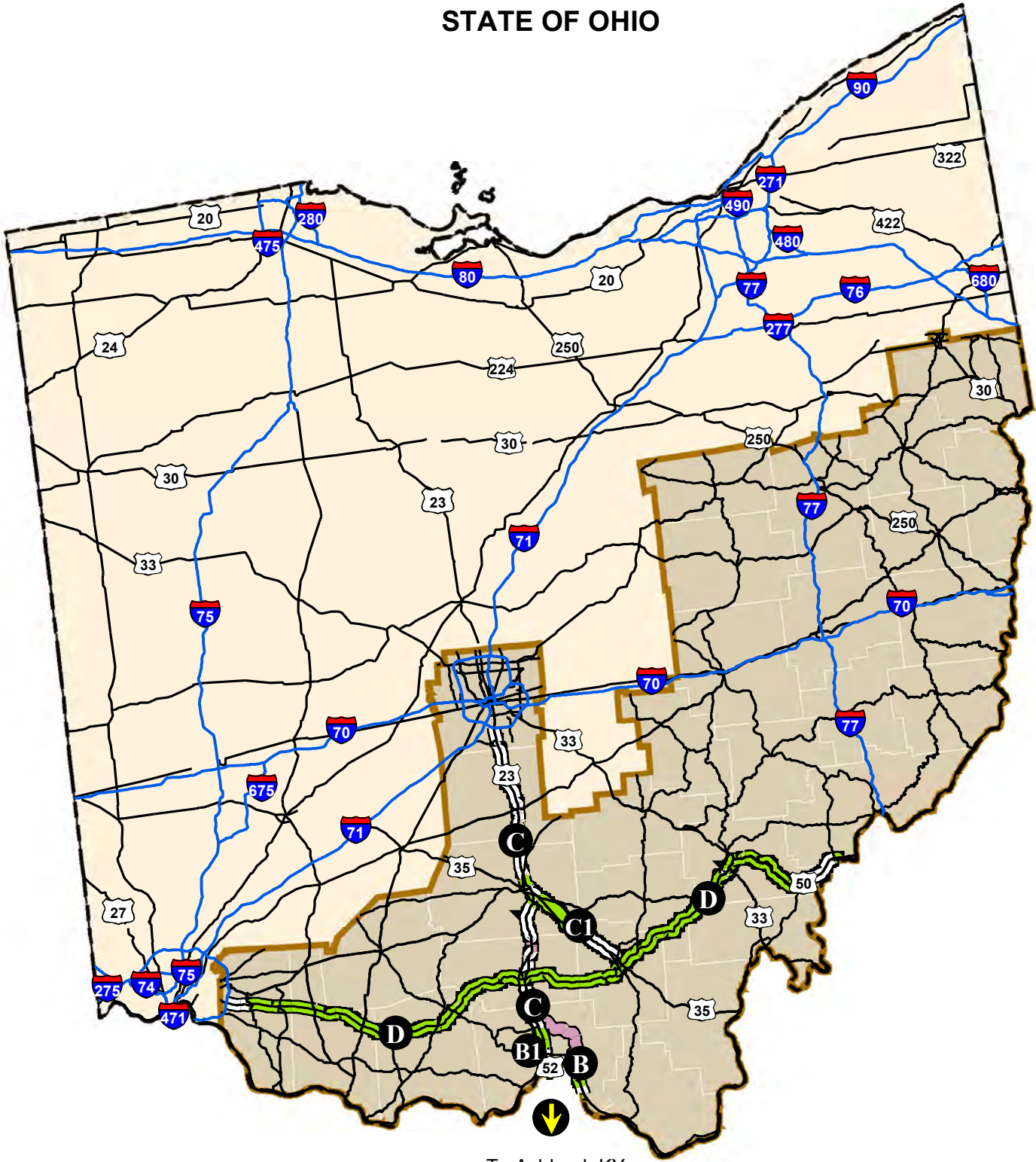
This 2012 Estimate of the Cost of Completing the Appalachian Development Highway System
in the State of Ohio as of September 30, 2011 was prepared in accordance with the
2012 ADHS Cost Estimate Guidelines and Software Instruction Manual by the
Ohio Department of Transportation in cooperation with the
Federal Highway Administration and the Appalachian Regional Commission.
It is the State's full intention to construct all of the Appalachian Development Highway System
corridors herein and to the standards indicated in this Estimate.


Jerry Wray
Director, Ohio Department of
Transportation


Laura S. Leffler
Division Administrator
Federal Highway Administration

OHIO PORTION OF APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM

STATE OF OHIO



To Ashland, KY

LEGEND FOR APPALACHIAN ROUTES

ADHS Route Status

- Complete
- To be Completed
- Nonparticipating

- Interstate System
- Other NHS Route

- Named Control Point
- State Line Control Point
- ARC Region



Lambert Conformal Conic regional projection
based on parallels 33 N and 45 N,
central meridian 96 W

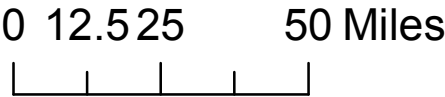


TABLE A Appalachian Corridor Segment Descriptions				
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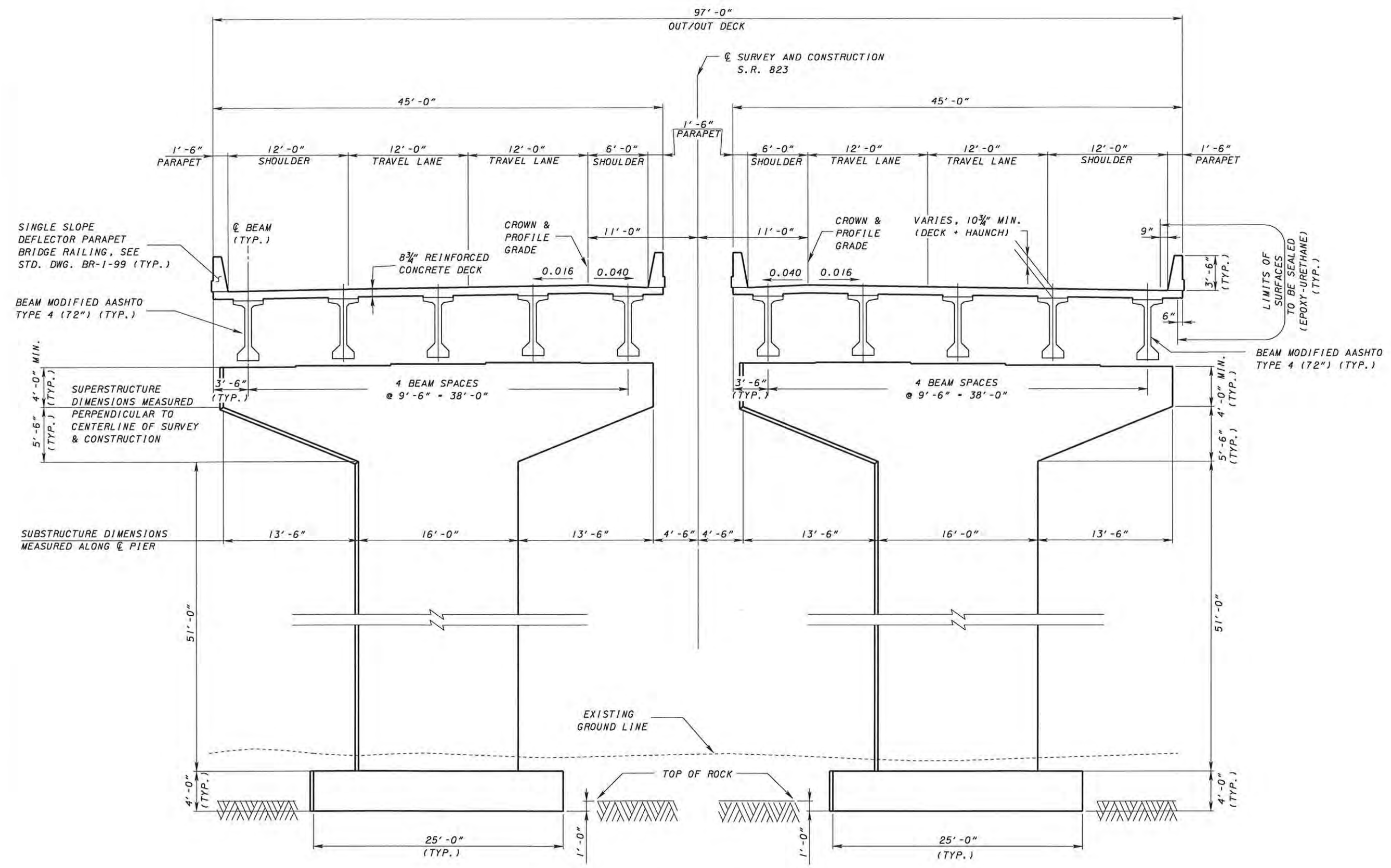
State/Commonwealth of Ohio

Corridor Letter	Principal Existing Route Numbers	Segment Descriptions	Eligible (miles)	Ineligible (miles)
B	SR 253	From the Ohio-Kentucky state line at Greenup Dam to the junction with US 52 southeast of Portsmouth.	0.3	0.0
B	US 52	From the junction with SR 253 southeast of Portsmouth to a point 0.7 miles southeast of the junction with SR 522.	4.1	2.4
B	SR 823	From a point 0.7 miles southeast of the junction with SR 522 north to a point near the junction of SR 335 and SR 139, then west to US 23 north of the junction of US 23 with SR 728 near Lucasville.	16.2	0.0
B1	US 23	From the Ohio-Kentucky state line to a point south of the junction with US 52 near 9th Street, approximately 0.9 miles north of the Ohio-Kentucky state line.	0.0	0.9
B1	US 23	From a point 0.9 miles north of the Ohio-Kentucky state line near 9th Street to a point near the the Norfolk and Southern Railroad overpass, approximately 1.4 miles north of the Ohio-Kentucky state line.	0.5	0.0
B1	US 23	From a point approximately 1.4 miles north of the Ohio-Kentucky state line near the Norfolk and Southern Railroad overpass to a point near the Norfolk and Southern Railroad overpass and County Road 160 (Fleurt Hill Road), approximately 6.4 miles north of the Ohio-Kentucky state line.	0.0	5.0
B1	US 23	From a point near the Norfolk and Southern Railroad overpass and CR 160 approximately 6.4 miles north of the Ohio-Kentucky state line to Township Road 528 (Robert Lucas Road) in Lucasville approximately 11.6 miles north of the Ohio-Kentucky State line.	5.2	0.0
C	US 23	From Township Road 528 (Robert Lucas Road) at the northern terminus of Corridor B1 to Crooked Creek, approximately 0.2 miles south of the junction with SR 104 in Waverly.	0.0	16.7
C	US 23	From Crooked Creek, approximately 0.2 miles south of the junction with SR 104 in Waverly to Township Road 138 (Park Road), approximately 0.7 miles south of the Pike-Ross countly line.	3.9	0.3
C	US 23	From Township Road 138 (Park Road), approximately 0.7 miles south of the Pike-Ross county line to a point 0.5 miles south of the juntion with SR 104 south of Chillicothe near Maple Lane.	0.0	8.4
C	US 23	From a point 0.5 miles south of the junction with SR 104 near Maple Lane to the junction with US 50 E (Eastern Avenue), southeast of Chillicothe.	2.6	0.0
C	US 23	From the junction with US 50 E (Eastern Avenue) southeast of Chillicothe to the junction with US 50 W (Main Street) northeast of Chillicothe.	0.0	1.9
C	US	From the juntion with US 50 W (Main Street) northeast of Chillicothe to a point 0.2 miles south of the junction with SR 159 near the Norfolk and Southern Railroad overpass.	3.4	0.0
C	US 23	From a point approximately 0.2 miles south of the junction with SR 159 near the Norfolk and Southern Railroad overpass to a point 1.4 miles south of the junction with SR 316 E in South Bloomfield.	0.0	21.7
C	US 23	From a point approximately 1.4 miles south of the Junction with SR 316 E in South Bloomfield to a point approximately 1.5 miles north of the junction with SR 316 W in South Bloomfield.	3.2	0.0
C	US 23	From a point approximately 1.5 miles north of the junction with SR 316 W in South Bloomfield to the junction with IR 270 south of Columbus.	0.0	9.6
C1	US 35	From the junction with US 23 southeast of Chillicothe to the junction with US 50.	0.0	1.9
C1	US 35	From the junction with US 50 to a point near Township Road 364A in Richmond Dale, approximately 2.4 miles west of the Ross-Jackson county line.	9.4	0.0
C1	US 35	From a point near Township Road 364A in Richmond Dale to the junction with US 32 in Jackson.	0.0	16.0
D	SR 32	From the junction with IR 275 west of Batavia to a point near the junction with Main Street in Batavia, approximately 0.8 miles west of the junction with SR 222.	0.0	5.0

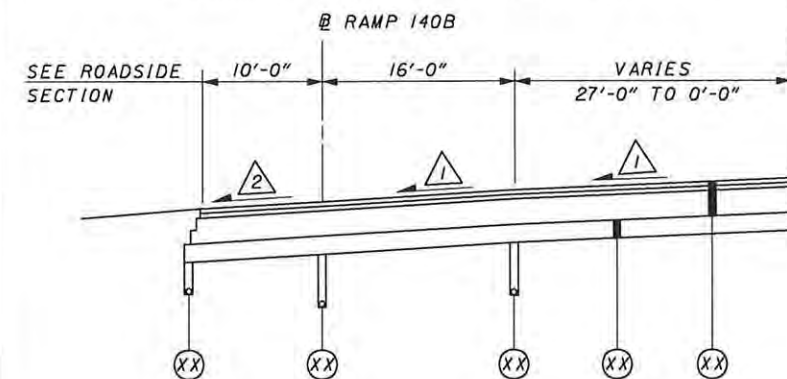
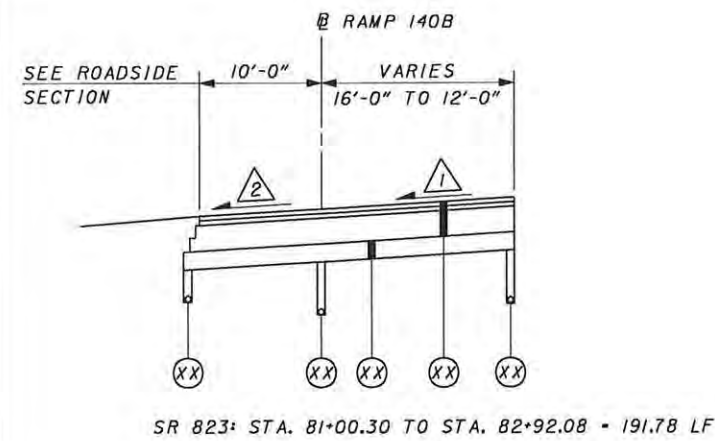
TABLE A

Appalachian Corridor Segment Descriptions

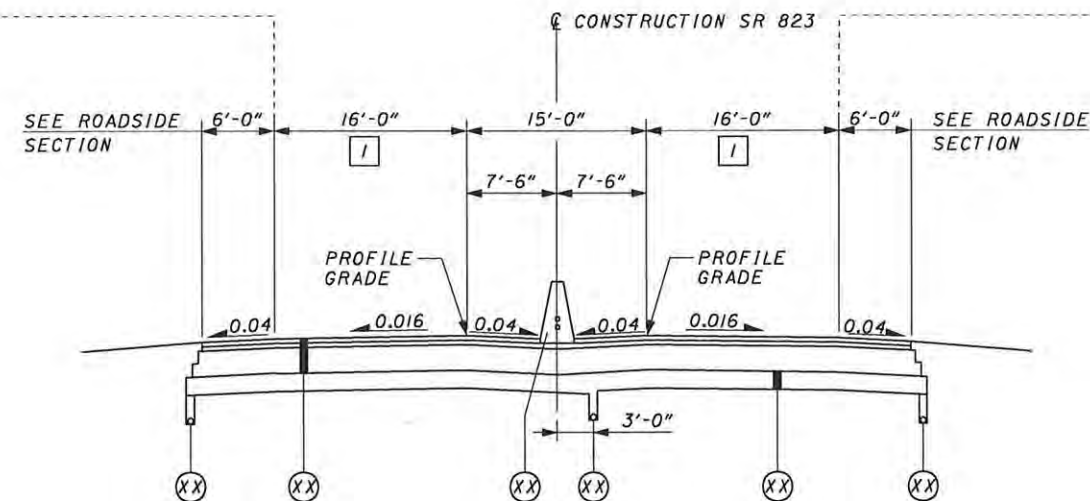
Corridor Letter	Principal Existing Route Numbers	Segment Descriptions	Eligible (miles)	Ineligible (miles)
D	SR 32/SR 124/SR 346/US 50	From a point near the junction with Main Street in Batavia to a point near Township Road 38 in Athens.	130.4	0.0
D	US 50/SR 32	From a point near Township Road 38 in Athens to a point near Andover Road, approximately 0.9 miles west of the junction with US 33 W.	0.0	0.7
D	US 50/US 33/SR 32	From a point near Andover Road in Athens, approximately 0.9 miles west of the junction with US 33 W to the junction with SR 7 in Coolville.	21.8	0.0
D	US 50/SR 32	From the junction with SR 7 in Coolville to a point 0.5 miles east of the junction with SR 339 near Belpre.	0.0	11.2
D	US 50	From a point 0.5 miles east of the junction with SR 339 in Belpre to the Ohio-West Virgania state line near Blennerhassett Island.	0.5	0.0
		Total	201.5	101.7



TYPICAL TRANSVERSE SECTION

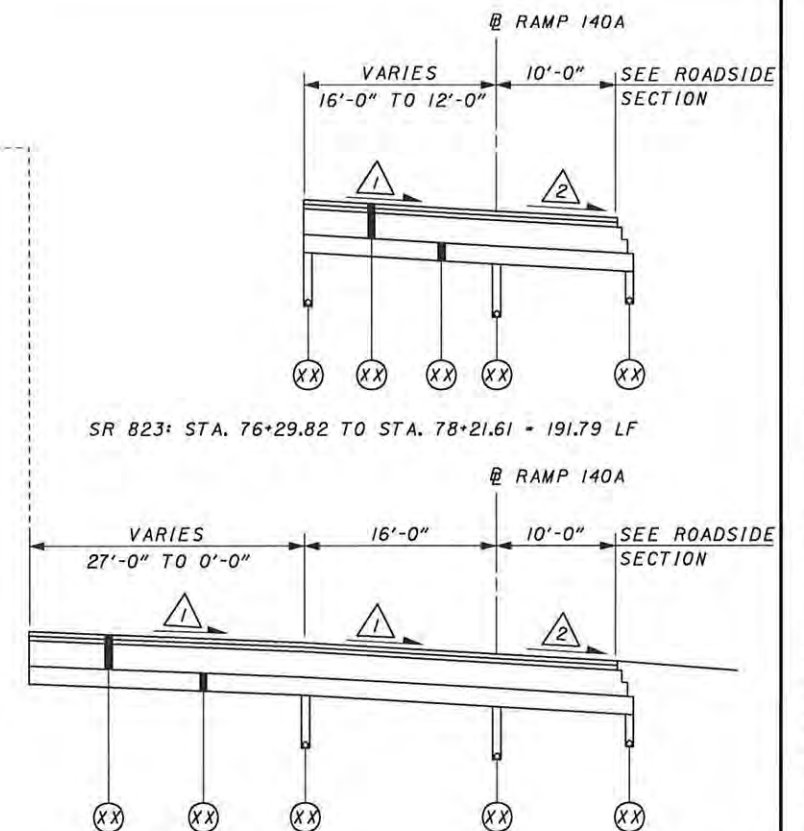


**SR 140 INTERCHANGE RAMP B
SPEED CHANGE LANE (DECELERATION)**

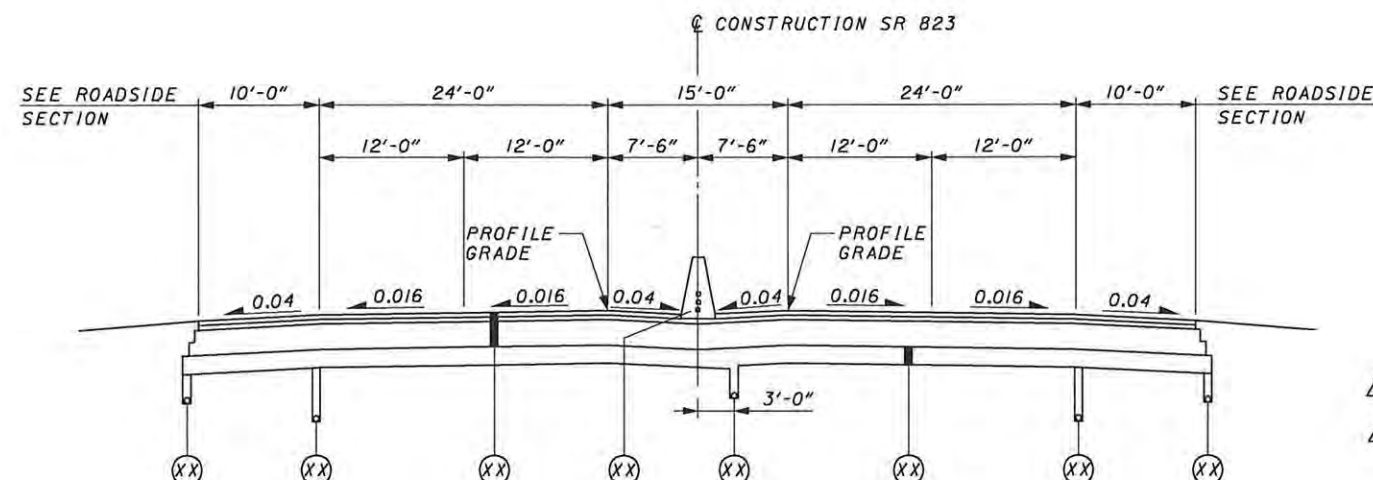


STA. 54+11.25 TO STA. XX+XX.XX = XXX.XX LF
STA. XX+XX.XX TO STA. 77+58.96 = XXX.XX LF

STA. 54+11.25 TO STA. XX+XX.XX = XXX.XX LF
STA. XX+XX.XX TO STA. 72+88.49 = XXX.XX LF



**SR 140 INTERCHANGE RAMP A
SPEED CHANGE LANE (ACCELERATION)**



STA. 82+92.08 TO STA. XXX+XX.XX = XXX.XX LF
STA. XXX+XX.XX TO STA. XXX+XX.XX = XXX.XX LF
STA. XXX+XX.XX TO STA. 125+95.51 = XXXX.XX LF

STA. 78+21.61 TO STA. XXX+XX.XX = XXX.XX LF
STA. XXX+XX.XX TO STA. XXX+XX.XX = XXX.XX LF
STA. XXX+XX.XX TO STA. 125+95.51 = XXXX.XX LF

NOTES:

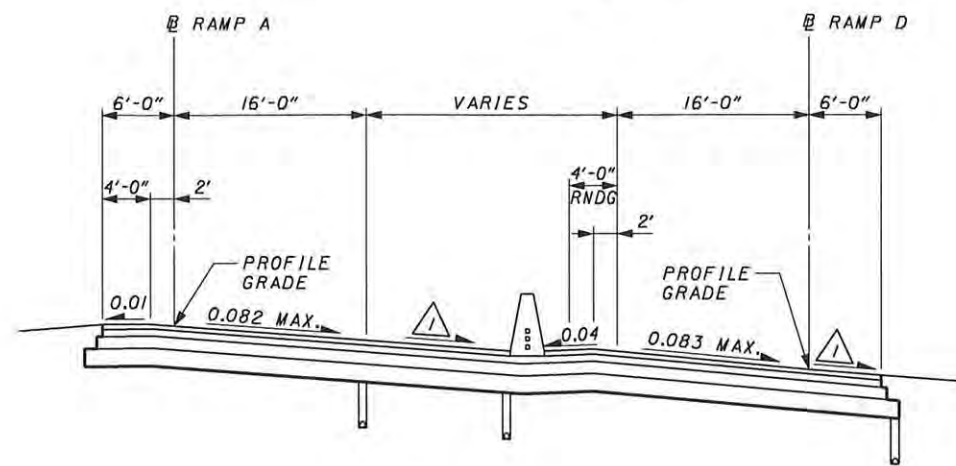
FOR LEGEND SEE SHEET XX
FOR ROADSIDE SECTION SEE SHEET XX

- 1 SLOPE VARIES, SEE PAVEMENT ELEVATION DETAIL SHEET XXX
- 2 0.04 OR RATE OF SUPERELEVATION, WHICH EVER IS GREATER.

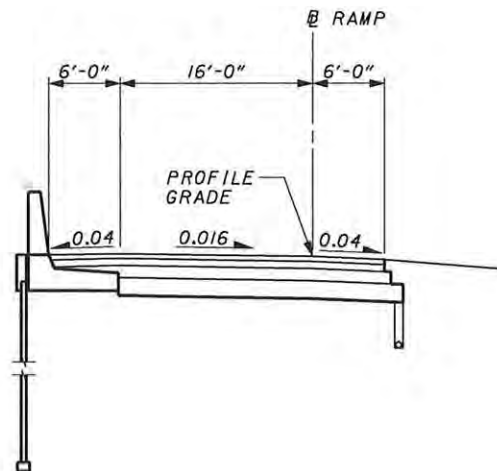
- 1 SEE PAVEMENT MARKING PLAN SHEET XX

9/29/2006
g:\C003\0064\Road\Plot\Typical\8-30-05\8-30-05.dwg

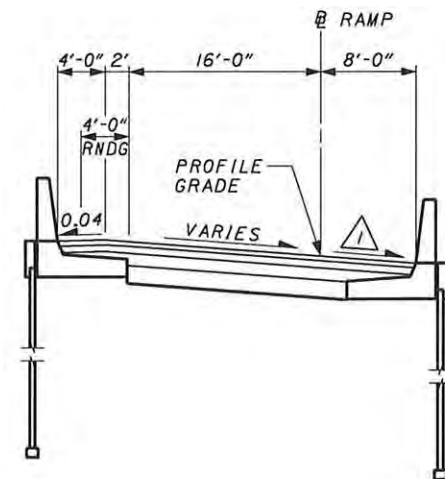
- NOTES:**
FOR LEGEND SEE SHEET XXX.
FOR ROADSIDE SECTIONS, SEE SHEET XXX.
UNDERDRAINS TO BE PER L&D VOL. 2, SECTION 1009.2.
1 0.04 OR RATE OF SUPERELEVATION, WHICHEVER IS GREATER. SEE SUPERELEVATION TABLES, SHEET XXX.
2 SLOPE VARIES, SEE PAVEMENT DETAILS, SHEET XXX.



US 23 SUPERELEVATED RAMP SECTION



NORMAL RAMP SECTION WITH MSE WALL



SUPERELEVATED RAMP SECTION WITH MSE WALLS
OPPOSITE HAND ALSO

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: B

Section ID	B 01.0.0	B 02.0.0	B 03.0.0	B 05.0.0	B 06.0.0	B 07.0.0
LRS Milepoint: Beginning/Ending	0.000/0.300	34.580/32.180	32.180/29.280	0.000/0.800	0.800/2.000	2.000/2.600
Status	Completed	NP	Completed	Design/RoW	Design/RoW	Design/RoW
1. Finance Code	20	20	20	23	23	23
2. Section Length(Miles)	0.3	2.4	2.9	0.8	1.2	0.6
3. Class/Urban Code	R/0	R/0	U/Portsmouth/71533	U/71533	U/71533	U/71533
4. Location:						
---- a. FIPS State/County/Congressional	39/145/06	39/145/06	39/145/06	39/145/06	39/145/06	39/145/06
---- b. HPMS Route/Subroute	0000000253/00	0000000052/00	0000000052/00	0000823APD/00	0000823APD/00	0000823APD/00
---- c. HPMS Signed Route/Strip Map #	SR000000253/B01	US000000052/B01	US000000052/B01	SR000000823/B01	SR000000823/B01	SR000000823/B01
5. Estimate Section/NHS Designation	1/None	2/NHS	1/NHS	1/None	1/None	1/None
6. Design Speed(mph)	60	70	70	70	70	70
7. Traffic:						
---- a. ADT-Base Year (2010)	7,890	14,680	14,680	13,400	21,200	21,200
---- b. ADT-Year 2020	10,678	17,090	18,662	17,200	26,200	26,200
---- c. Design Year	2,002	1,984	1,986	2,030	2,030	2,030
---- d. ADT-Design Year	7,600	9,735	9,714	21,000	31,200	31,200
---- e. DHV-Design Year	760	970	970	2,100	3,120	3,120
---- f. % Truck Design Year(DHV)	12	6	6	14	14	14
---- g. % Truck Design Year(ADT)	12	15	15	7	7	7
---- h. Directional Distribution Factor	60	65	65	55	55	55
8. Number of Lanes to be Constructed this Estimate	0	0	0	4	4	4
9. Ultimate Number of Through Traffic Lanes	2	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	E/Full	A/Full	G/Full	K/Full	K/Full	K/Full
11. Right-of-Way Width(ft), prevailing	250	220	280	500	500	500
12. Median Width(ft), prevailing	0	70	40	22	22	22
13. Status of Development(Figure 4)	1a	np	1a	4a2	4a2	4a2

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	0
15. Right-of-Way:						
---- a. Acquisition	0	0	0	1,290	1,935	919
---- b. Relocation	0	0	0	228	341	162
16. Utility Adjustments	0	0	0	117	175	83
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	0	0	6,086	9,129	4,336
18. Subbase, Base, Surfacing, Shoulders	0	0	0	1,411	2,117	1,005
19. Railroad Grade Separations	0	0	0	0	0	6,051
20. Highway Grade Separations without Ramps	0	0	0	0	0	22,116
21. Interchanges	0	0	0	13,106	1,544	0
22. Other Bridges, Tunnels, and Walls	0	0	0	0	0	0
23. Traffic Control	0	0	0	205	307	146
24. Environmental Mitigation	0	0	0	145	218	104
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	489	734	349
27. Subtotal(lines 17 thru 26)	0	0	0	21,442	14,049	34,107
28. Construction Engineering(8.00000000% of line 27)	0	0	0	1,715	1,124	2,729
29. Total Cost of Construction(lines 27 & 28)	0	0	0	23,157	15,173	36,836
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	26,032	18,505	39,900

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: B

Section ID	B 07.1.0	B 08.0.0	B 08.1.0	B 09.0.0	B04.0.0
LRS Milepoint: Beginning/Ending	2.600/3.700	3.700/6.900	6.900/10.100	10.100/16.200	29.280/28.080
Status	Design/ RoW	Design/ RoW	Design/ RoW	Design/ RoW	Completed
1. Finance Code	23	23	23	23	20
2. Section Length(Miles)	1.1	3.2	3.2	6.1	1.2
3. Class/Urban Code	U/71533	R/0	R/0	R/0	U/71533
4. Location:					
---- a. FIPS State/County/Congressional	39/145/06	39/145/06	39/145/06	39/145/06	39/145/06
---- b. HPMS Route/Subroute	0000823APD/00	0000823APD/00	0000823APD/00	0000823APD/00	0000000052/00
---- c. HPMS Signed Route/Strip Map #	SR00000823/B01	SR00000823/B01	SR00000823/B01	SR00000823/B01	US00000052/B01
5. Estimate Section/NHS Designation	1/None	1/None	1/None	1/None	1/NHS
6. Design Speed(mph)	70	70	70	70	70
7. Traffic:					
---- a. ADT-Base Year (2010)	21,200	21,200	19,800	19,800	11,580
---- b. ADT-Year 2020	26,200	26,200	22,900	22,900	14,544
---- c. Design Year	2,030	2,030	2,030	2,030	1,986
---- d. ADT-Design Year	31,200	31,200	26,000	26,000	7,645
---- e. DHV-Design Year	3,120	3,120	2,600	2,600	768
---- f. % Truck Design Year(DHV)	14	14	14	14	6
---- g. % Truck Design Year(ADT)	7	7	7	7	15
---- h. Directional Distribution Factor	55	55	55	55	65
8. Number of Lanes to be Constructed this Estimate	4	4	4	4	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	K/Full	K/Full	K/Full	K/Full	H/Full
11. Right-of-Way Width(ft), prevailing	500	500	500	500	250
12. Median Width(ft), prevailing	22	22	22	22	16
13. Status of Development(Figure 4)	4a2	4a2	4a1	4a2	1a

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:					
---- a. Location	0	0	0	0	0
---- b. Design	0	0	0	0	0
15. Right-of-Way:					
---- a. Acquisition	1,822	5,160	0	3,645	0
---- b. Relocation	410	854	0	643	0
16. Utility Adjustments	165	467	278	302	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	8,596	24,343	32,358	61,417	0
18. Subbase, Base, Surfacing, Shoulders	1,993	5,645	6,714	13,658	0
19. Railroad Grade Separations	0	0	1,182	0	0
20. Highway Grade Separations without Ramps	0	0	0	16,506	0
21. Interchanges	0	2,516	8,892	16,195	0
22. Other Bridges, Tunnels, and Walls	0	0	245	0	0
23. Traffic Control	289	818	707	1,772	0
24. Environmental Mitigation	205	581	1,526	2,314	0
25. Roadside Improvements:					
---- a. Landscape Planting	0	0	0	0	0
---- b. Rest Area, Overlooks	0	0	0	0	0
26. All Other Items	691	1,958	10,641	9,163	0
27. Subtotal(lines 17 thru 26)	11,774	35,861	62,265	121,025	0
28. Construction Engineering(8.00000000% of line 27)	942	2,869	4,981	9,682	0
29. Total Cost of Construction(lines 27 & 28)	12,716	38,730	67,246	130,707	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	15,869	47,471	70,900	142,062	0

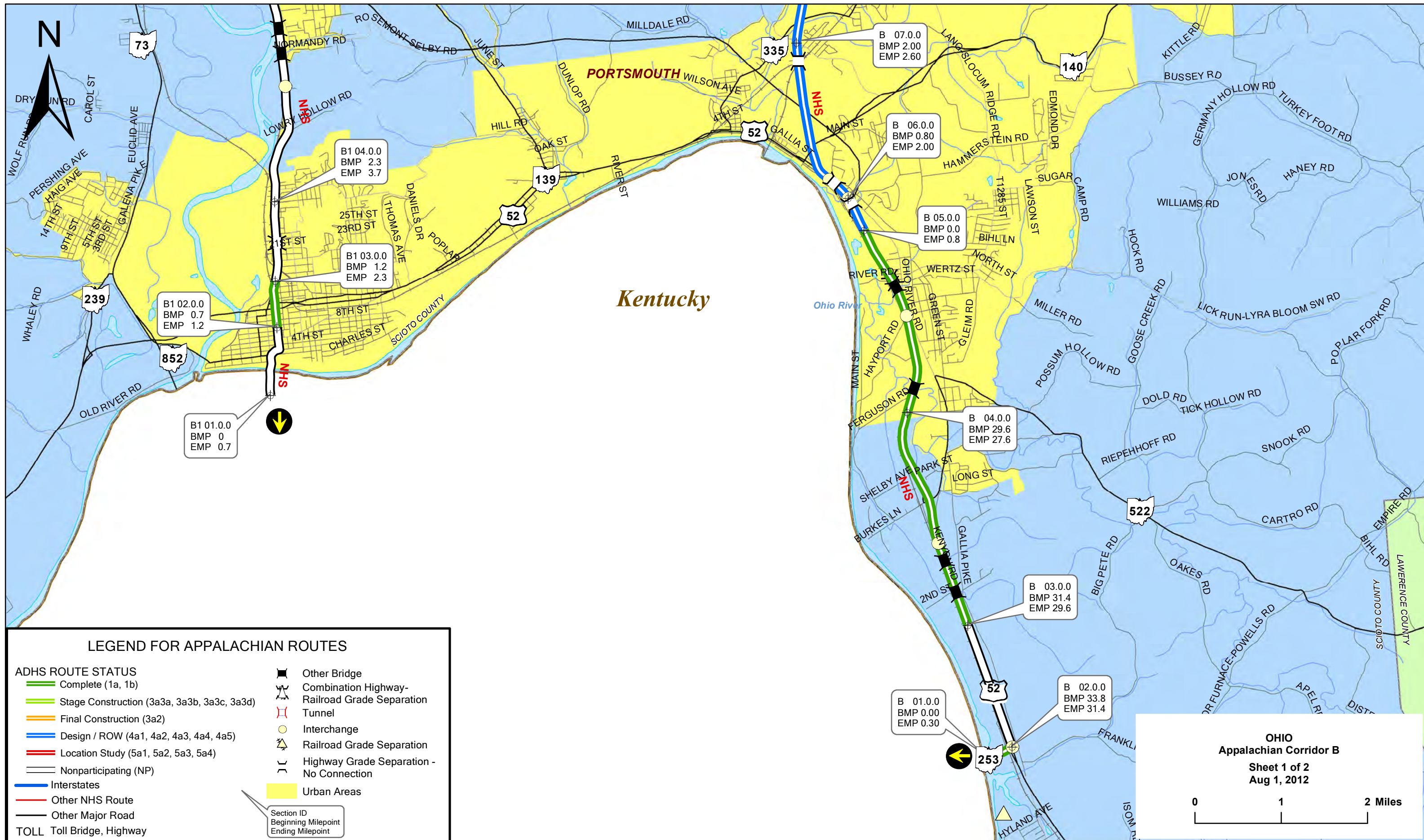
2012 Appalachian Development Highway System Cost Estimate

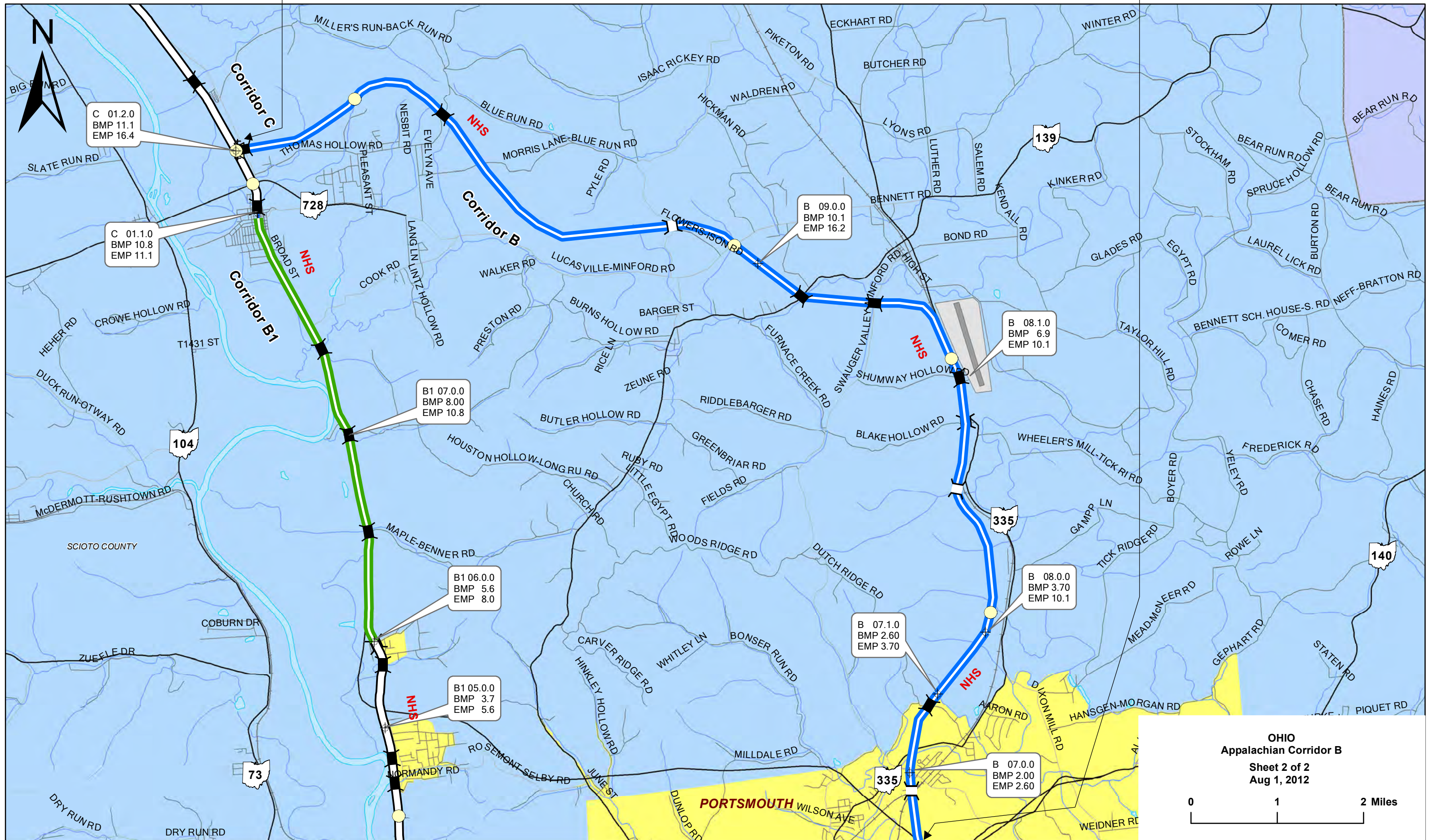
Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: OH

ADHS Corridor: B

Section ID	Corridor Total	Rural Subtotal	Urban Subtotal
LRS Milepoint			
1. Finance Code			
2. Section Length(Miles)	23.00	15.20	7.80
3. Class/Urban Code			
4. Location:			
---- a. FIPS State/County/Congressional			
---- b. HPMS Route/Subroute			
---- c. HPMS Signed Route/Strip Map #			
5. Estimate Section/NHS Designation			
6. Design Speed(mph)			
7. Traffic:			
---- a. ADT-Base Year (2010)			
---- b. ADT-Year 2020			
---- c. Design Year			
---- d. ADT-Design Year			
---- e. DHV-Design Year			
---- f. % Truck Design Year(DHV)			
---- g. % Truck Design Year(ADT)			
---- h. Directional Distribution Factor			
8. Number of Lanes to be Constructed this Estimate			
9. Ultimate Number of Through Traffic Lanes			
10. Typical X-Section of Reference/Access Control			
11. Right-of-Way Width(ft), prevailing			
12. Median Width(ft), prevailing			
13. Status of Development(Figure 4)			
Estimated Cost(\$1,000) per Work Classification			
14. Preliminary Engineering:			
---- a. Location			
---- b. Design			
15. Right-of-Way:			
---- a. Acquisition	14,771	8,805	5,966
---- b. Relocation	2,638	1,497	1,141
16. Utility Adjustments	1,587	1,047	540
17. Erosion Control/Clear/Grade/Drain/Minor Structure	146,265	118,118	28,147
18. Subbase, Base, Surfacing, Shoulders	32,543	26,017	6,526
19. Railroad Grade Separations	7,233	1,182	6,051
20. Highway Grade Separations without Ramps	38,622	16,506	22,116
21. Interchanges	42,253	27,603	14,650
22. Other Bridges, Tunnels, and Walls	245	245	
23. Traffic Control	4,244	3,297	947
24. Environmental Mitigation	5,093	4,421	672
25. Roadside Improvements:			
---- a. Landscape Planting			
---- b. Rest Area, Overlooks			
26. All Other Items	24,025	21,762	2,263
27. Subtotal(lines 17 thru 26)	300,523	219,151	81,372
28. Construction Engineering(8.00000000% of line 27)	24,042	17,532	6,510
29. Total Cost of Construction(lines 27 & 28)	324,565	236,683	87,882
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	360,739	260,434	100,305





2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: B1

Section ID	B1 01.0.0	B1 02.0.0	B1 03.0.0	B1 04.0.0	B1 05.0.0	B1 06.0.0
LRS Milepoint: Beginning/Ending	0.000/0.900	0.900/1.400	1.400/2.300	2.300/4.800	4.800/6.500	6.500/9.000
Status	NP	Completed	NP	NP	NP	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	0.9	0.5	0.9	2.4	1.7	2.5
3. Class/Urban Code	U/Portsmouth/71533	U/71533	U/71533	U/71533	U/71533	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/145/06	39/145/06	39/145/06	39/145/06	39/145/06	39/145/06
---- b. HPMS Route/Subroute	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00
---- c. HPMS Signed Route/Strip Map #	US000000023/B101	US000000023/B101	US000000023/B101	US000000023/B101	US000000023/B101	US000000023/B101
5. Estimate Section/NHS Designation	2/NHS	1/NHS	2/NHS	2/NHS	2/NHS	1/NHS
6. Design Speed(mph)	35	35	35	50	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	12,050	7,940	19,390	12,640	10,700	10,700
---- b. ADT-Year 2020	12,930	8,822	19,650	10,830	11,624	11,624
---- c. Design Year	2,008	1,997	2,008	2,008	2,008	2,008
---- d. ADT-Design Year	14,900	22,957	23,268	20,895	16,004	16,004
---- e. DHV-Design Year	1,490	2,293	2,327	2,090	1,600	1,600
---- f. % Truck Design Year(DHV)	5	7	8	9	11	10
---- g. % Truck Design Year(ADT)	7	15	8	9	11	11
---- h. Directional Distribution Factor	60	65	65	65	65	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	I/Full	H/Full	J/Full	H/Full	H/Partial	H/Partial
11. Right-of-Way Width(ft), prevailing	66	200	80	150	150	150
12. Median Width(ft), prevailing	0	16	2	4	4	12
13. Status of Development(Figure 4)	np	1a	np	np	np	1a

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	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	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: B1

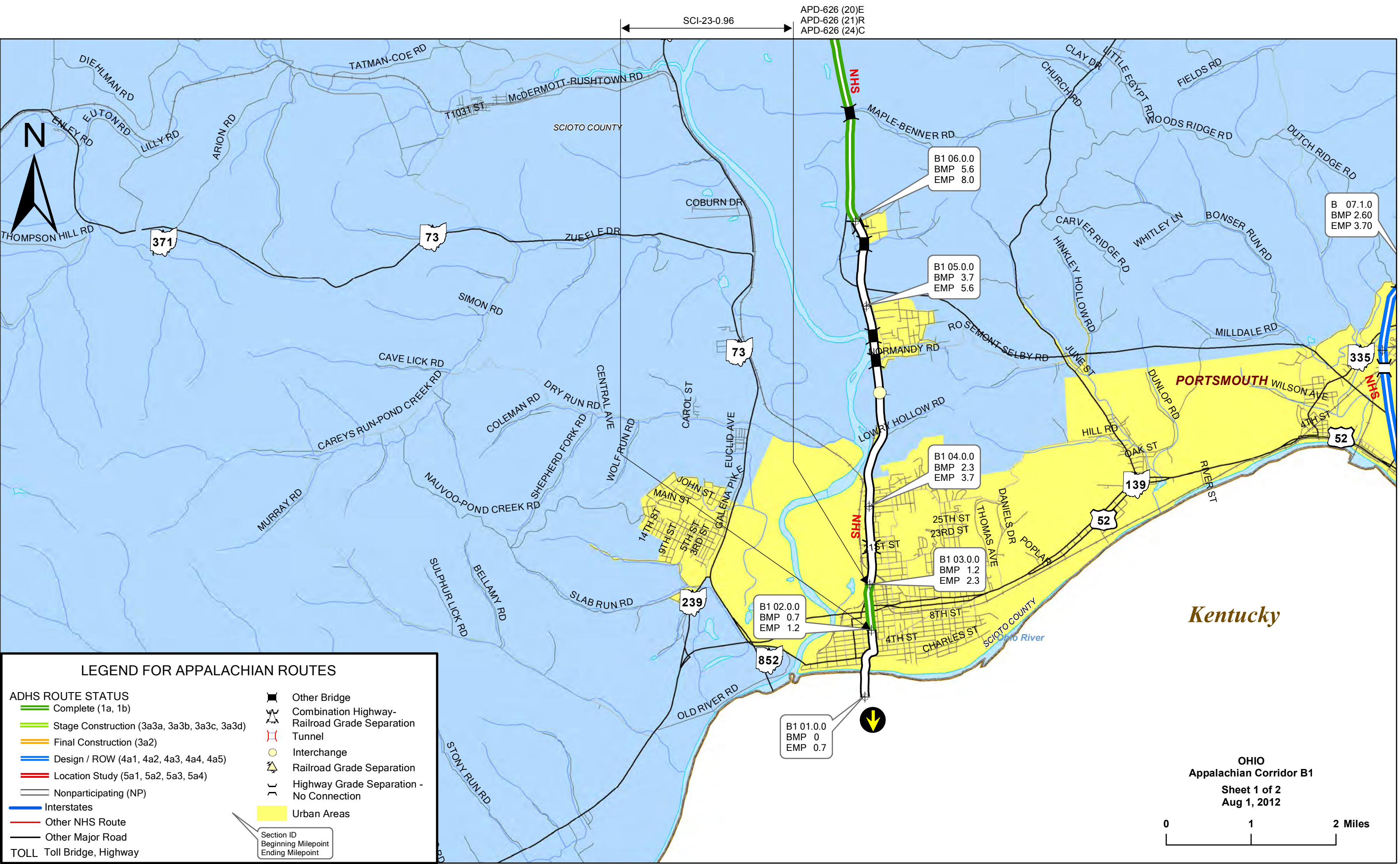
Section ID	B1 07.0.0
LRS Milepoint: Beginning/Ending	9.000/11.700
Status	Completed
1. Finance Code	20
2. Section Length(Miles)	2.7
3. Class/Urban Code	R/0
4. Location:	
---- a. FIPS State/County/Congressional	39/145/06
---- b. HPMS Route/Subroute	0000000023/00
---- c. HPMS Signed Route/Strip Map #	US000000023/B101
5. Estimate Section/NHS Designation	1/NHS
6. Design Speed(mph)	60
7. Traffic:	
---- a. ADT-Base Year (2010)	10,700
---- b. ADT-Year 2020	11,624
---- c. Design Year	2,008
---- d. ADT-Design Year	16,004
---- e. DHV-Design Year	1,600
---- f. % Truck Design Year(DHV)	11
---- g. % Truck Design Year(ADT)	11
---- h. Directional Distribution Factor	65
8. Number of Lanes to be Constructed this Estimate	0
9. Ultimate Number of Through Traffic Lanes	4
10. Typical X-Section of Reference/Access Control	H/Partial
11. Right-of-Way Width(ft), prevailing	150
12. Median Width(ft), prevailing	12
13. Status of Development(Figure 4)	1a
Estimated Cost(\$1,000) 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
21. Interchanges	0
22. Other Bridges, Tunnels, and Walls	0
23. Traffic Control	0
24. Environmental Mitigation	0
25. Roadside Improvements:	
---- a. Landscape Planting	0
---- b. Rest Area, Overlooks	0
26. All Other Items	0
27. Subtotal(lines 17 thru 26)	0
28. Construction Engineering(8.00000000% of line 27)	0
29. Total Cost of Construction(lines 27 & 28)	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0

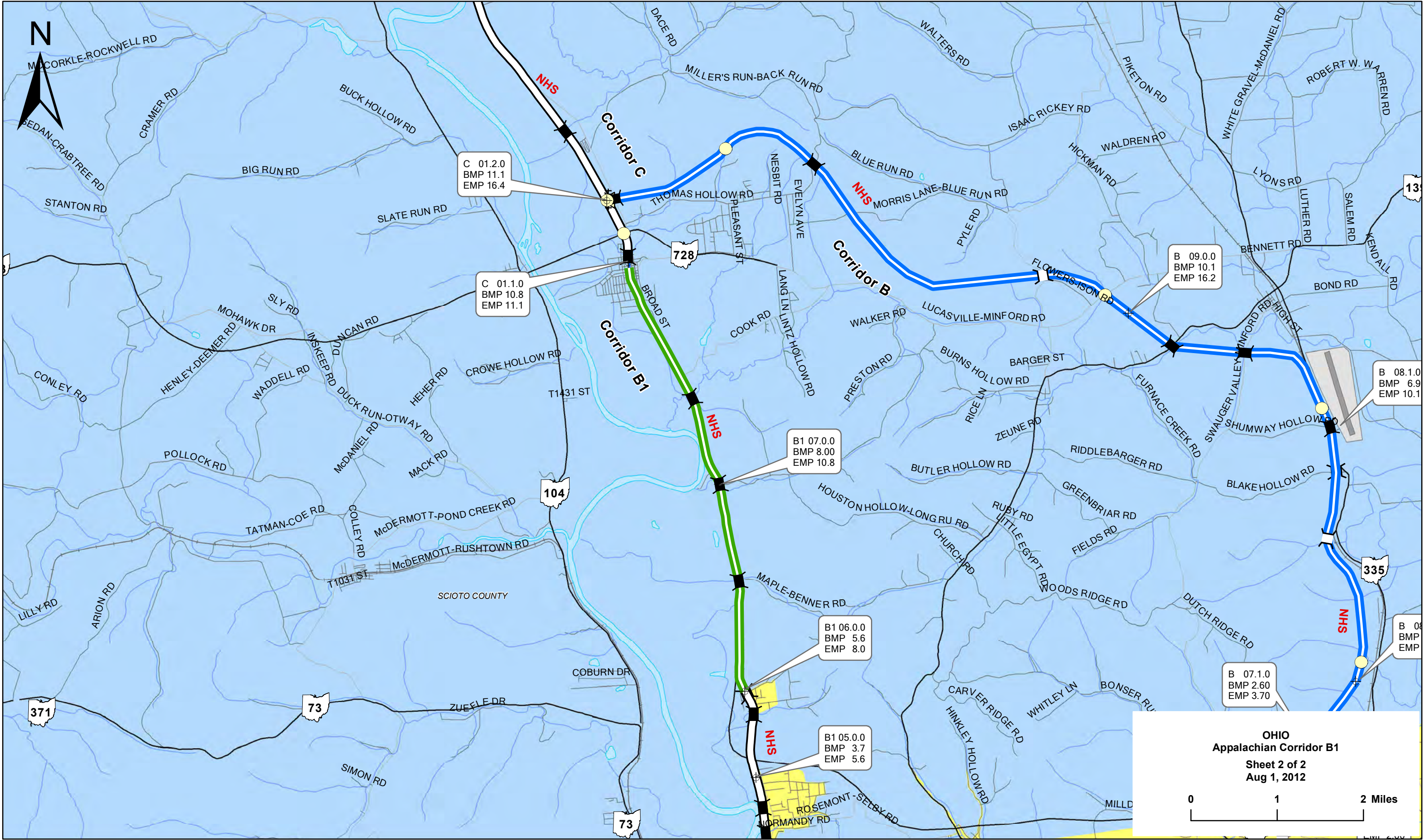
2012 Appalachian Development Highway System Cost Estimate

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

State: OHADHS Corridor: B1

Section ID LRS Milepoint 1. Finance Code 2. Section Length(Miles) 3. Class/Urban Code 4. Location: ---- a. FIPS State/County/Congressional ---- b. HPMS Route/Subroute ---- c. HPMS Signed Route/Strip Map # 5. Estimate Section/NHS Designation 6. Design Speed(mph) 7. Traffic: ---- a. ADT-Base Year (2010) ---- b. ADT-Year 2020 ---- c. Design Year ---- d. ADT-Design Year ---- e. DHV-Design Year ---- f. % Truck Design Year(DHV) ---- g. % Truck Design Year(ADT) ---- h. Directional Distribution Factor 8. Number of Lanes to be Constructed this Estimate 9. Ultimate Number of Through Traffic Lanes 10. Typical X-Section of Reference/Access Control 11. Right-of-Way Width(ft), prevailing 12. Median Width(ft), prevailing 13. Status of Development(Figure 4)	Corridor Total	Rural Subtotal	Urban Subtotal
	11.60	5.20	6.40
Estimated Cost(\$1,000) per Work Classification			
14. Preliminary Engineering: ---- a. Location ---- b. Design 15. Right-of-Way: ---- a. Acquisition ---- b. Relocation 16. Utility Adjustments			
17. Erosion Control/Clear/Grade/Drain/Minor Structure 18. Subbase, Base, Surfacing, Shoulders 19. Railroad Grade Separations 20. Highway Grade Separations without Ramps 21. Interchanges 22. Other Bridges, Tunnels, and Walls 23. Traffic Control 24. Environmental Mitigation 25. Roadside Improvements: ---- a. Landscape Planting ---- b. Rest Area, Overlooks 26. All Other Items			
27. Subtotal(lines 17 thru 26) 28. Construction Engineering(8.00000000% of line 27) 29. Total Cost of Construction(lines 27 & 28) 30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)			





2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: C

Section ID	C 01.1.0	C 01.2.0	C 01.2.1	C 02.1.0	C 02.2.0	C 03.0.0
LRS Milepoint: Beginning/Ending	11.120/11.720	11.720/16.420	0.000/6.400	6.400/9.900	9.900/11.000	11.000/11.400
Status	NP	NP	NP	NP	NP	NP
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	0.6	4.7	6.4	3.5	1.1	0.4
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	U/Waverly/93133
4. Location:						
---- a. FIPS State/County/Congressional	39/145/06	39/145/06	39/131/06	39/131/06	39/131/06	39/131/06
---- b. HPMS Route/Subroute	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00
---- c. HPMS Signed Route/Strip Map #	US00000023/C01	US00000023/C01	US00000023/C01	US00000023/C01	US00000023/C01	US00000023/C01
5. Estimate Section/NHS Designation	2/NHS	2/NHS	2/NHS	2/NHS	2/NHS	2/NHS
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	12,810	12,810	13,688	18,198	18,198	18,068
---- b. ADT-Year 2020	13,936	13,936	15,212	22,898	23,506	23,506
---- c. Design Year	2,008	1,998	1,998	2,000	1,998	1,998
---- d. ADT-Design Year	17,286	17,413	17,413	18,473	19,567	19,567
---- e. DHV-Design Year	1,728	1,738	1,738	1,847	1,962	1,962
---- f. % Truck Design Year(DHV)	10	5	5	12	5	5
---- g. % Truck Design Year(ADT)	11	20	20	12	18	18
---- h. Directional Distribution Factor	65	65	65	65	65	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	C/Partial	H/Partial	H/Partial	D/Partial	H/Partial	H/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	200	200	180
12. Median Width(ft), prevailing	60	40	40	20	20	20
13. Status of Development(Figure 4)	np	np	np	np	np	np

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	0	0
19. Railroad Grade Seperations	0	0	0	0	0	0
20. Highway Grade Seperations without Ramps	0	0	0	0	0	0
21. Interchanges	0	0	0	0	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: C

Section ID	C 04.0.0	C 04.1.0	C 05.0.0	C 05.1.0	C 06.1.0	C 06.1.1
LRS Milepoint: Beginning/Ending	11.400/12.700	12.700/13.000	13.000/14.100	14.100/15.600	15.600/16.300	0.000/3.000
Status	Location Study	NP	Location Study	Location Study	NP	NP
1. Finance Code	23	20	23	23	20	20
2. Section Length(Miles)	1.3	0.3	1.1	1.5	0.7	3
3. Class/Urban Code	U/Waverly/93133	U/93133	U/93133	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/131/06	39/131/06	39/131/06	39/131/06	39/131/18	39/141/18
---- b. HPMS Route/Subroute	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00
---- c. HPMS Signed Route/Strip Map #	US00000023/C01	US00000023/C01	US00000023/C01	US00000023/C01	US00000023/C02	US00000023/C02
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	2/NHS	2/NHS
6. Design Speed(mph)	60	60	60	60	50	50
7. Traffic:						
---- a. ADT-Base Year (2010)	22,180	20,972	20,172	16,580	16,150	16,844
---- b. ADT-Year 2020	22,000	22,000	18,522	16,758	18,522	19,022
---- c. Design Year	2,030	2,030	2,030	2,030	2,008	2,008
---- d. ADT-Design Year	22,552	23,232	20,314	16,514	18,648	18,693
---- e. DHV-Design Year	3,478	3,478	3,478	3,478	1,865	1,869
---- f. % Truck Design Year(DHV)	9	9	10	6	10	11
---- g. % Truck Design Year(ADT)	9	9	10	10	10	11
---- h. Directional Distribution Factor	55	55	55	55	65	65
8. Number of Lanes to be Constructed this Estimate	4	0	4	4	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	C/Full	C/Full	C/Full	C/Full	C/Partial	C/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	60	60	60	60	60	60
13. Status of Development(Figure 4)	5a4	np	5a4	5a4	np	np

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	1,455	0	524	1,158	0	0
15. Right-of-Way:						
---- a. Acquisition	3,262	0	706	978	0	0
---- b. Relocation	463	0	203	282	0	0
16. Utility Adjustments	100	0	42	58	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	9,072	0	3,911	5,465	0	0
18. Subbase, Base, Surfacing, Shoulders	3,185	0	2,695	3,920	0	0
19. Railroad Grade Separations	0	0	0	0	0	0
20. Highway Grade Separations without Ramps	1,760	0	0	1,188	0	0
21. Interchanges	4,157	0	0	3,563	0	0
22. Other Bridges, Tunnels, and Walls	924	0	0	845	0	0
23. Traffic Control	1,102	0	561	1,004	0	0
24. Environmental Mitigation	50	0	50	50	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	531	0	268	511	0	0
27. Subtotal(lines 17 thru 26)	20,781	0	7,485	16,546	0	0
28. Construction Engineering(8.00000000% of line 27)	1,662	0	599	1,324	0	0
29. Total Cost of Construction(lines 27 & 28)	22,443	0	8,084	17,870	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	29,110	0	10,037	21,363	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: C

Section ID	C 06.2.0	C 07.0.0	C 08.0.0	C 08.1.0	C 09.0.0	C 10.1.0
LRS Milepoint: Beginning/Ending	3.000/7.700	7.700/9.300	9.300/10.000	10.000/10.300	10.300/10.700	10.700/11.900
Status	NP	Completed	Completed	Completed	NP	NP
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	4.7	1.6	0.7	0.3	0.4	1.2
3. Class/Urban Code	R/0	R/0	U/Chillicothe/16453	U/16453	U/16453	U/16453
4. Location:						
---- a. FIPS State/County/Congressional	39/141/18	39/141/18	39/141/18	39/141/18	39/141/18	39/141/18
---- b. HPMS Route/Subroute	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00
---- c. HPMS Signed Route/Strip Map #	US00000023/C02	US00000023/C02	US00000023/C02	US00000023/C02	US00000023/C02	US00000023/C02
5. Estimate Section/NHS Designation	2/NHS	1/NHS	1/NHS	1/NHS	2/NHS	2/NHS
6. Design Speed(mph)	60	70	70	70	70	70
7. Traffic:						
---- a. ADT-Base Year (2010)	21,006	20,074	19,570	20,648	20,648	36,242
---- b. ADT-Year 2020	27,232	25,198	25,198	24,214	24,214	49,928
---- c. Design Year	1,998	1,990	1,990	1,990	1,978	1,978
---- d. ADT-Design Year	18,767	21,081	16,378	16,378	12,134	20,569
---- e. DHV-Design Year	1,877	2,111	1,642	1,642	1,216	2,058
---- f. % Truck Design Year(DHV)	5	5	5	5	5	5
---- g. % Truck Design Year(ADT)	18	18	18	18	18	18
---- h. Directional Distribution Factor	65	65	65	65	65	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	6	6
10. Typical X-Section of Reference/Access Control	D/Partial	B/Full	B/Full	B/Full	B/Full	B/Full
11. Right-of-Way Width(ft), prevailing	300	300	335	335	280	280
12. Median Width(ft), prevailing	24	40	40	40	40	40
13. Status of Development(Figure 4)	np	1a	1a	1a	np	np

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	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	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: C

Section ID	C 10.2.0	C 11.1.0	C 11.2.0	C 12.1.0	C 12.2.0	C 12.3.0
LRS Milepoint: Beginning/Ending	11.900/12.200	12.200/14.700	14.700/15.600	15.600/16.600	16.600/17.200	17.200/21.700
Status	NP	Completed	Completed	NP	NP	NP
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	0.3	2.5	0.9	1	0.6	4.5
3. Class/Urban Code	U/16453	U/16453	U/16453	U/16453	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/141/18	39/141/18	39/141/18	39/141/18	39/141/18	39/141/18
---- b. HPMS Route/Subroute	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00
---- c. HPMS Signed Route/Strip Map #	US00000023/C02	US00000023/C02	US00000023/C02	US00000023/C02	US00000023/C03	US00000023/C03
5. Estimate Section/NHS Designation	2/NHS	1/NHS	1/NHS	2/NHS	2/NHS	2/NHS
6. Design Speed(mph)	70	70	70	60	60	70
7. Traffic:						
---- a. ADT-Base Year (2010)	49,228	19,790	19,790	19,492	22,536	22,536
---- b. ADT-Year 2020	51,278	26,292	26,292	22,536	22,536	22,536
---- c. Design Year	1,978	1,989	1,989	1,998	1,998	1,990
---- d. ADT-Design Year	20,569	15,259	18,682	22,190	22,691	16,378
---- e. DHV-Design Year	2,058	1,524	1,866	2,218	2,221	1,642
---- f. % Truck Design Year(DHV)	5	5	5	5	5	5
---- g. % Truck Design Year(ADT)	18	18	18	16	16	18
---- h. Directional Distribution Factor	65	65	65	65	65	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	6	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	L/Full	A/Full	A/Full	A/Full	A/Partial	B/Full
11. Right-of-Way Width(ft), prevailing	290	320	320	300	300	335
12. Median Width(ft), prevailing	40	40	40	40	40	40
13. Status of Development(Figure 4)	np	1a	1a	np	np	np

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	0	0
19. Railroad Grade Seperations	0	0	0	0	0	0
20. Highway Grade Seperations without Ramps	0	0	0	0	0	0
21. Interchanges	0	0	0	0	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: C

Section ID	C 13.1.0	C 13.2.1	C 13.2.2	C 13.3.0	C 13.4.0	C 13.5.0
LRS Milepoint: Beginning/Ending	0.000/5.500	5.500/6.200	6.200/7.500	7.500/9.300	9.300/9.900	9.900/15.600
Status	NP	NP	NP	NP	NP	NP
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	5.5	0.7	1.3	1.8	0.6	5.7
3. Class/Urban Code	R/0	R/0	U/Circleville/16912	U/16912	U/16912	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/129/07	39/129/07	39/129/07	39/129/07	39/129/07	39/129/07
---- b. HPMS Route/Subroute	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00
---- c. HPMS Signed Route/Strip Map #	US00000023/C03	US00000023/C03	US00000023/C03	US00000023/C03	US00000023/C03	US00000023/C03
5. Estimate Section/NHS Designation	2/NHS	2/NHS	2/NHS	2/NHS	2/NHS	2/NHS
6. Design Speed(mph)	70	60	60	60	70	70
7. Traffic:						
---- a. ADT-Base Year (2010)	24,088	29,364	29,364	29,524	25,466	25,672
---- b. ADT-Year 2020	29,764	36,400	36,400	35,406	29,792	29,792
---- c. Design Year	2,020	2,020	2,020	2,020	2,020	2,020
---- d. ADT-Design Year	42,080	38,700	38,700	38,700	38,820	38,820
---- e. DHV-Design Year	4,208	3,870	3,870	3,870	3,882	3,882
---- f. % Truck Design Year(DHV)	9	11	11	11	12	12
---- g. % Truck Design Year(ADT)	14	19	19	19	20	20
---- h. Directional Distribution Factor	60	60	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	A/Partial	A/Partial	A/Partial	D/Partial	A/Partial	A/Partial
11. Right-of-Way Width(ft), prevailing	350	350	350	200	250	250
12. Median Width(ft), prevailing	40	40	40	16	40	40
13. Status of Development(Figure 4)	np	np	np	np	np	np

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	0	0
19. Railroad Grade Seperations	0	0	0	0	0	0
20. Highway Grade Seperations without Ramps	0	0	0	0	0	0
21. Interchanges	0	0	0	0	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: C

Section ID	C 14.0.0	C 14.1.0	C 14.2.0	C 15.0.0	C 15.0.1	C 16.1.0
LRS Milepoint: Beginning/Ending	15.600/16.800	16.800/17.600	17.600/18.800	18.800/23.300	0.000/1.000	1.000/2.100
Status	Location Study	Location Study	Location Study	NP	NP	NP
1. Finance Code	23	23	23	20	20	20
2. Section Length(Miles)	1.2	0.8	1.2	4.5	1	1.1
3. Class/Urban Code	R/0	U/Ashville/03493	R/0	R/0	U/Columbus/19234	U/19234
4. Location:						
---- a. FIPS State/County/Congressional	39/129/07	39/129/07	39/129/07	39/129/07	39/049/07	39/049/07
---- b. HPMS Route/Subroute	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00	0000000023/00
---- c. HPMS Signed Route/Strip Map #	US00000023/C04	US00000023/C04	US00000023/C04	US00000023/C04	US00000023/C04	US00000023/C04
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	2/NHS	2/NHS	2/NHS
6. Design Speed(mph)	70	70	70	70	70	70
7. Traffic:						
---- a. ADT-Base Year (2010)	25,488	26,864	30,734	29,850	24,266	24,266
---- b. ADT-Year 2020	25,578	27,364	29,644	32,728	27,216	27,216
---- c. Design Year	2,030	2,030	2,030	2,020	2,020	2,020
---- d. ADT-Design Year	25,668	27,964	28,550	44,500	41,270	43,880
---- e. DHV-Design Year	3,698	3,512	4,450	4,450	4,127	4,388
---- f. % Truck Design Year(DHV)	16	16	15	10	10	9
---- g. % Truck Design Year(ADT)	17	16	15	17	17	15
---- h. Directional Distribution Factor	54	54	54	60	60	60
8. Number of Lanes to be Constructed this Estimate	4	4	4	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	C/Full	C/Full	C/Full	A/Partial	A/Partial	D/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	400	400	250
12. Median Width(ft), prevailing	60	60	60	40	40	30
13. Status of Development(Figure 4)	5a3	5a3	5a3	np	np	np

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	673	1,246	1,671	0	0	0
15. Right-of-Way:						
---- a. Acquisition	182	328	401	0	0	0
---- b. Relocation	0	12	0	0	0	0
16. Utility Adjustments	0	0	0	0	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	753	574	675	0	0	0
18. Subbase, Base, Surfacing, Shoulders	4,781	3,943	5,787	0	0	0
19. Railroad Grade Seperations	0	0	0	0	0	0
20. Highway Grade Seperations without Ramps	0	0	0	0	0	0
21. Interchanges	0	5,476	7,101	0	0	0
22. Other Bridges, Tunnels, and Walls	0	0	0	0	0	0
23. Traffic Control	0	204	136	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	97	65	98	0	0	0
27. Subtotal(lines 17 thru 26)	5,631	10,262	13,797	0	0	0
28. Construction Engineering(8.00000000% of line 27)	450	821	1,104	0	0	0
29. Total Cost of Construction(lines 27 & 28)	6,081	11,083	14,901	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	7,283	13,302	17,821	0	0	0

State: OH

ADHS Corridor: C

Section ID	C 16.2.0
LRS Milepoint: Beginning/Ending	2.100/5.100
Status	NP
1. Finance Code	20
2. Section Length(Miles)	3
3. Class/Urban Code	U/Columbus/19234
4. Location:	
---- a. FIPS State/County/Congressional	39/049/07
---- b. HPMS Route/Subroute	0000000023/00
---- c. HPMS Signed Route/Strip Map #	US00000023/C04
5. Estimate Section/NHS Designation	2/NHS
6. Design Speed(mph)	70
7. Traffic:	
---- a. ADT-Base Year (2010)	35,420
---- b. ADT-Year 2020	41,530
---- c. Design Year	2,020
---- d. ADT-Design Year	36,260
---- e. DHV-Design Year	3,626
---- f. % Truck Design Year(DHV)	3
---- g. % Truck Design Year(ADT)	5
---- h. Directional Distribution Factor	60
8. Number of Lanes to be Constructed this Estimate	0
9. Ultimate Number of Through Traffic Lanes	4
10. Typical X-Section of Reference/Access Control	C/Partial
11. Right-of-Way Width(ft), prevailing	250
12. Median Width(ft), prevailing	60
13. Status of Development(Figure 4)	np
Estimated Cost(\$1,000) 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 Seperations	0
20. Highway Grade Seperations without Ramps	0
21. Interchanges	0
22. Other Bridges, Tunnels, and Walls	0
23. Traffic Control	0
24. Environmental Mitigation	0
25. Roadside Improvements:	
---- a. Landscape Planting	0
---- b. Rest Area, Overlooks	0
26. All Other Items	0
27. Subtotal(lines 17 thru 26)	0
28. Construction Engineering(8.00000000% of line 27)	0
29. Total Cost of Construction(lines 27 & 28)	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0

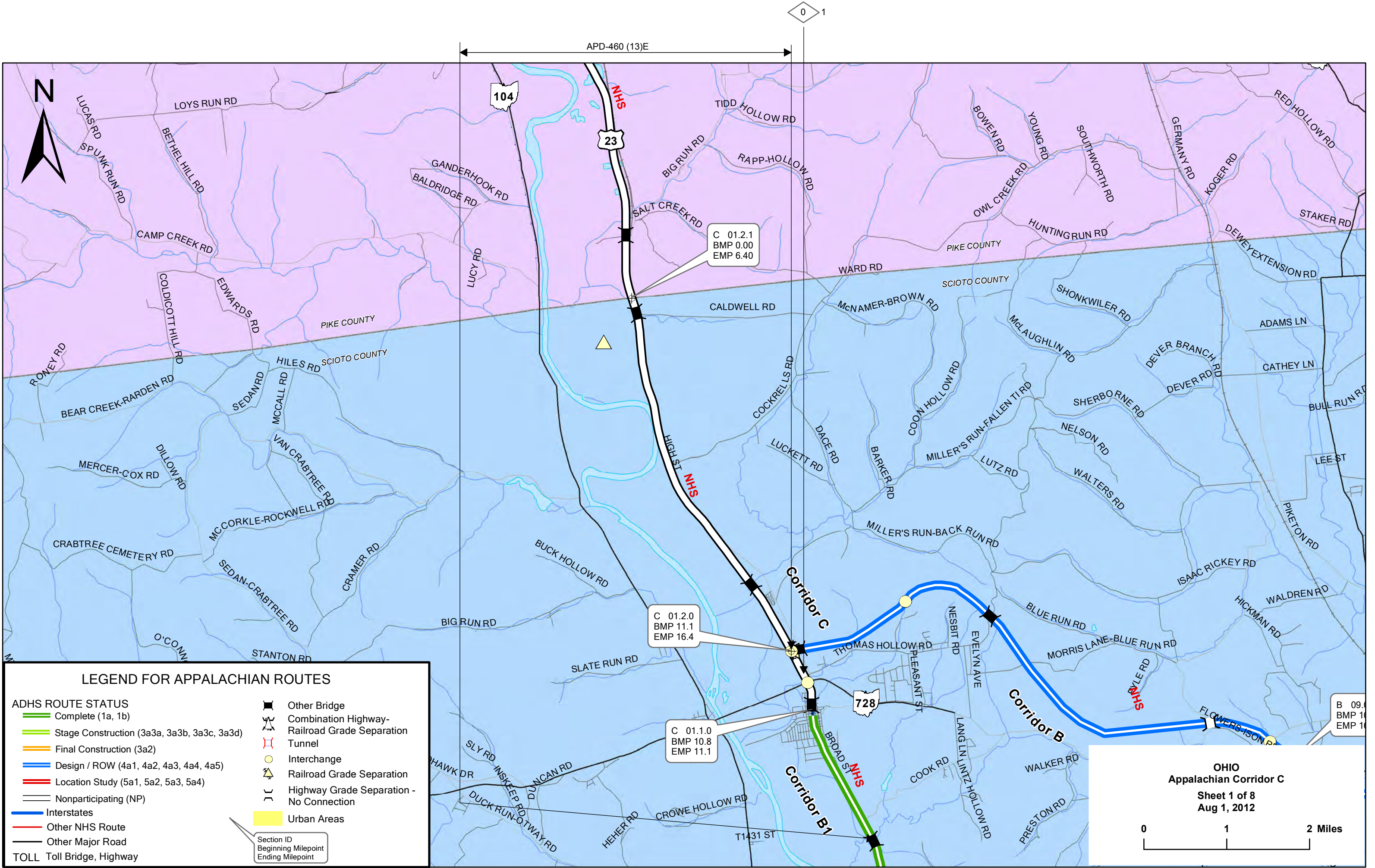
2012 Appalachian Development Highway System Cost Estimate

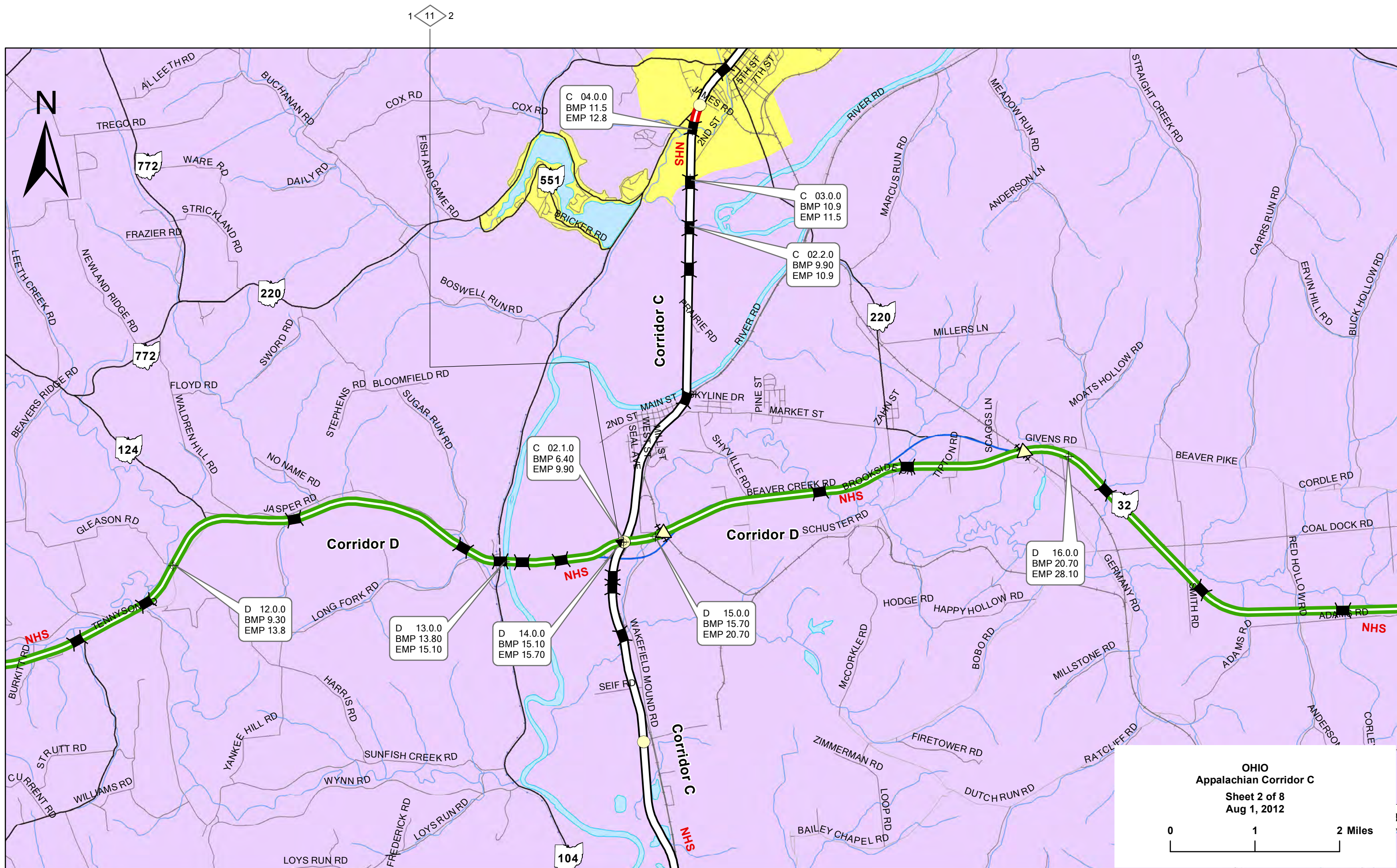
Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

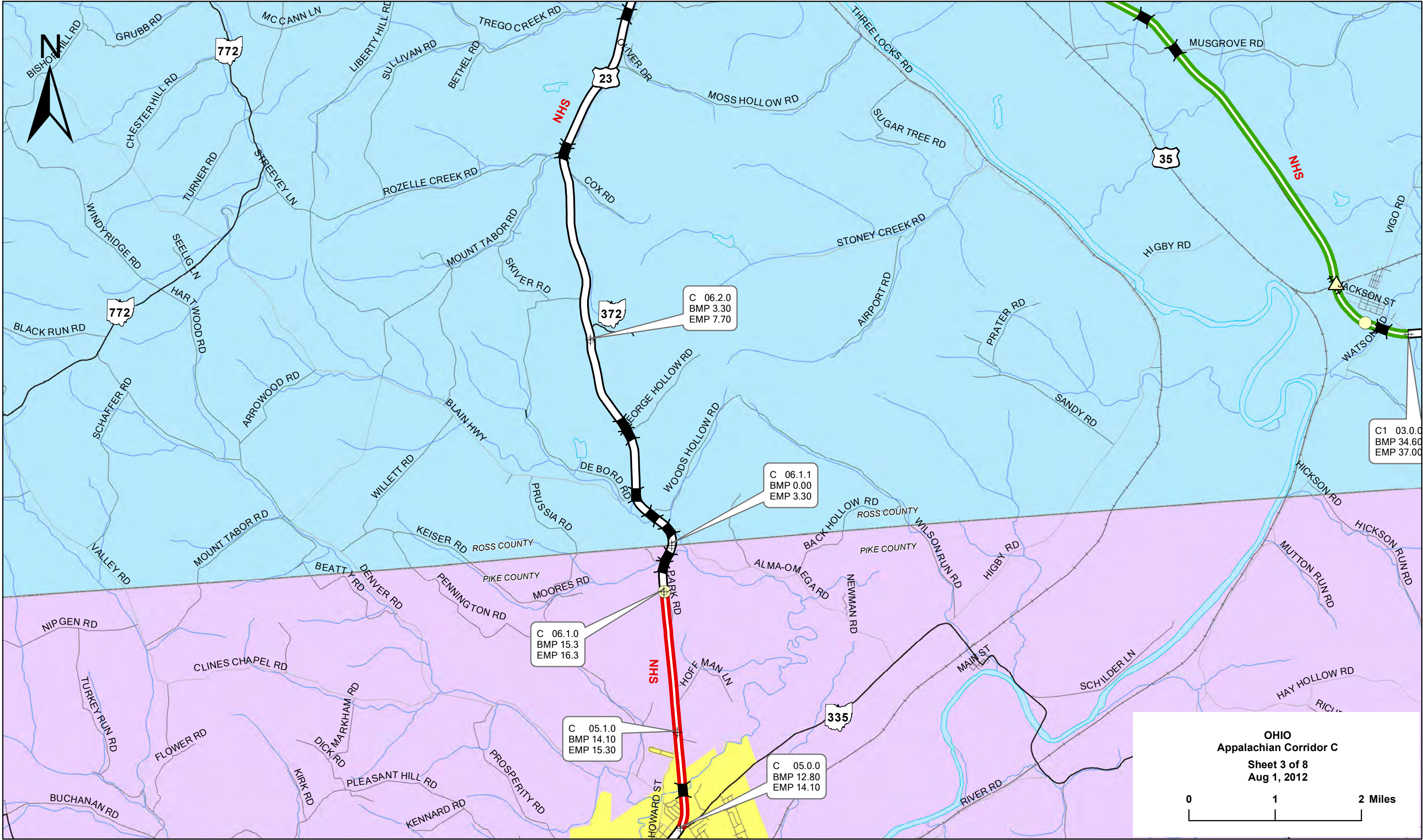
State: OHADHS Corridor: C

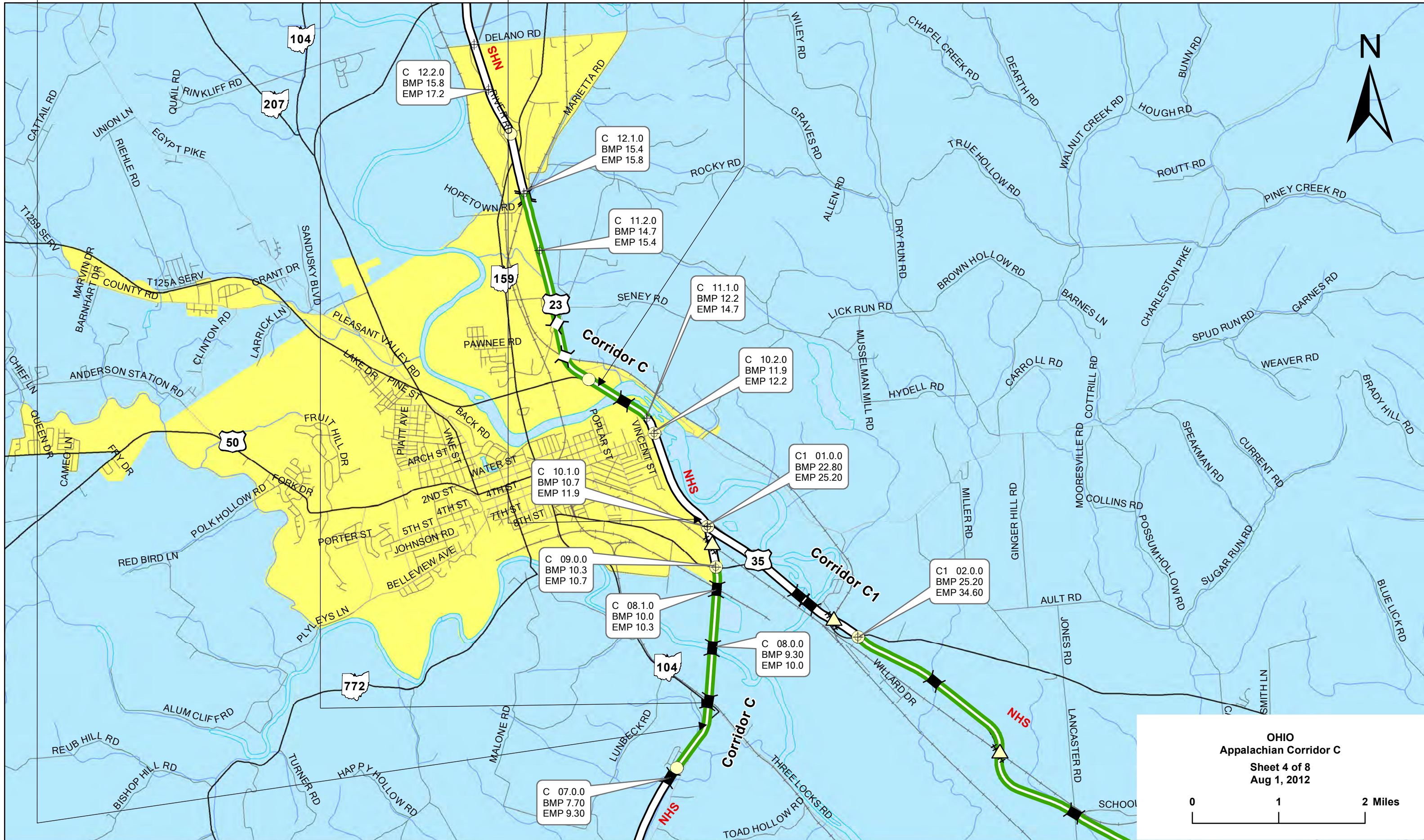
Section ID	Corridor Total	Rural Subtotal	Urban Subtotal
LRS Milepoint			
1. Finance Code			
2. Section Length(Miles)	71.70	51.70	20.00
3. Class/Urban Code			
4. Location:			
---- a. FIPS State/County/Congressional			
---- b. HPMS Route/Subroute			
---- c. HPMS Signed Route/Strip Map #			
5. Estimate Section/NHS Designation			
6. Design Speed(mph)			
7. Traffic:			
---- a. ADT-Base Year (2010)			
---- b. ADT-Year 2020			
---- c. Design Year			
---- d. ADT-Design Year			
---- e. DHV-Design Year			
---- f. % Truck Design Year(DHV)			
---- g. % Truck Design Year(ADT)			
---- h. Directional Distribution Factor			
8. Number of Lanes to be Constructed this Estimate			
9. Ultimate Number of Through Traffic Lanes			
10. Typical X-Section of Reference/Access Control			
11. Right-of-Way Width(ft), prevailing			
12. Median Width(ft), prevailing			
13. Status of Development(Figure 4)			

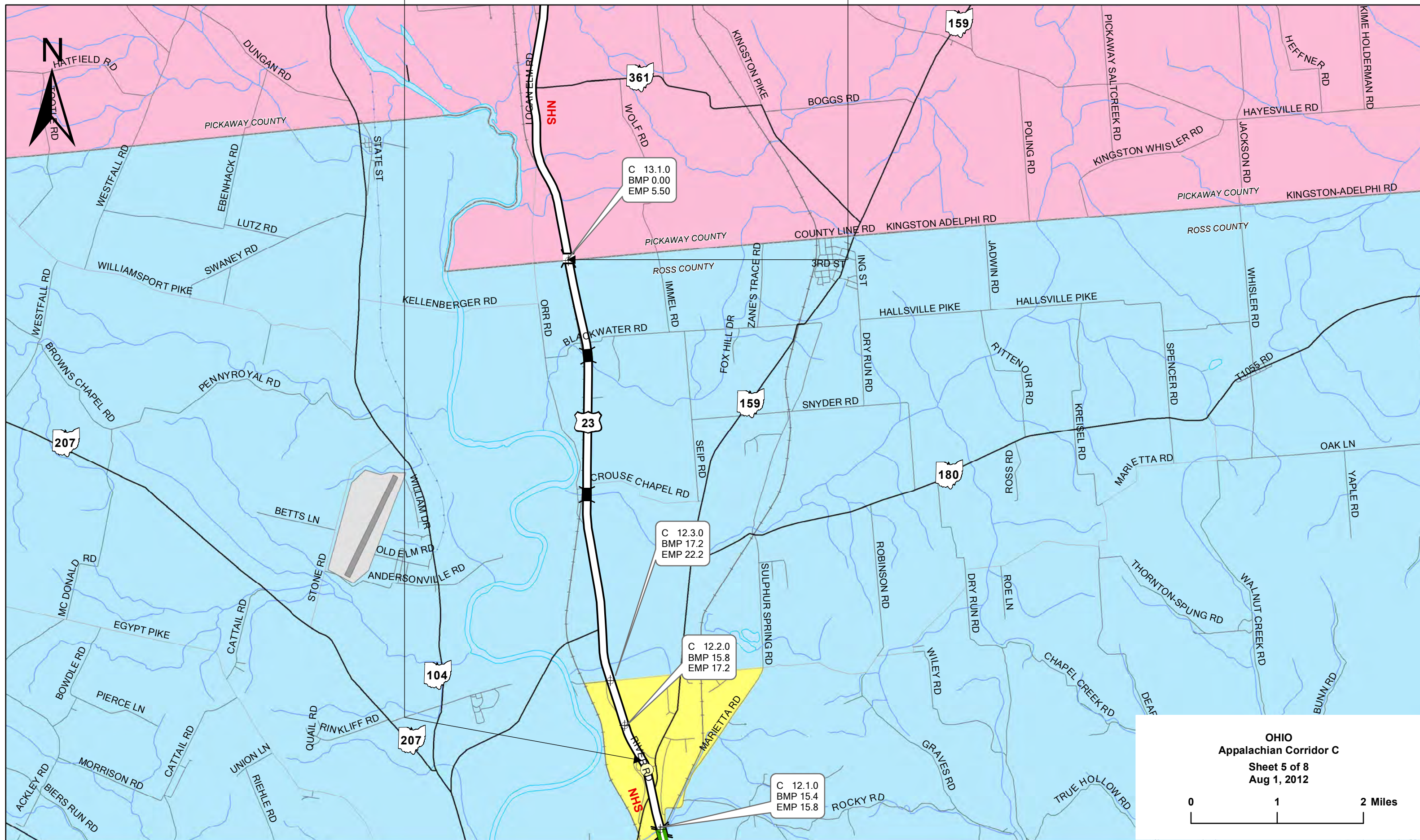
Estimated Cost(\$1,000) per Work Classification			
14. Preliminary Engineering:			
---- a. Location			
---- b. Design	6,727	3,502	3,225
15. Right-of-Way:			
---- a. Acquisition	5,857	1,561	4,296
---- b. Relocation	960	282	678
16. Utility Adjustments	200	58	142
17. Erosion Control/Clear/Grade/Drain/Minor Structure	20,450	6,893	13,557
18. Subbase, Base, Surfacing, Shoulders	24,311	14,488	9,823
19. Railroad Grade Separations			
20. Highway Grade Separations without Ramps	2,948	1,188	1,760
21. Interchanges	20,297	10,664	9,633
22. Other Bridges, Tunnels, and Walls	1,769	845	924
23. Traffic Control	3,007	1,140	1,867
24. Environmental Mitigation	150	50	100
25. Roadside Improvements:			
---- a. Landscape Planting			
---- b. Rest Area, Overlooks			
26. All Other Items	1,570	706	864
27. Subtotal(lines 17 thru 26)	74,502	35,974	38,528
28. Construction Engineering(8.00000000% of line 27)	5,960	2,878	3,082
29. Total Cost of Construction(lines 27 & 28)	80,462	38,852	41,610
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	98,916	46,468	52,449

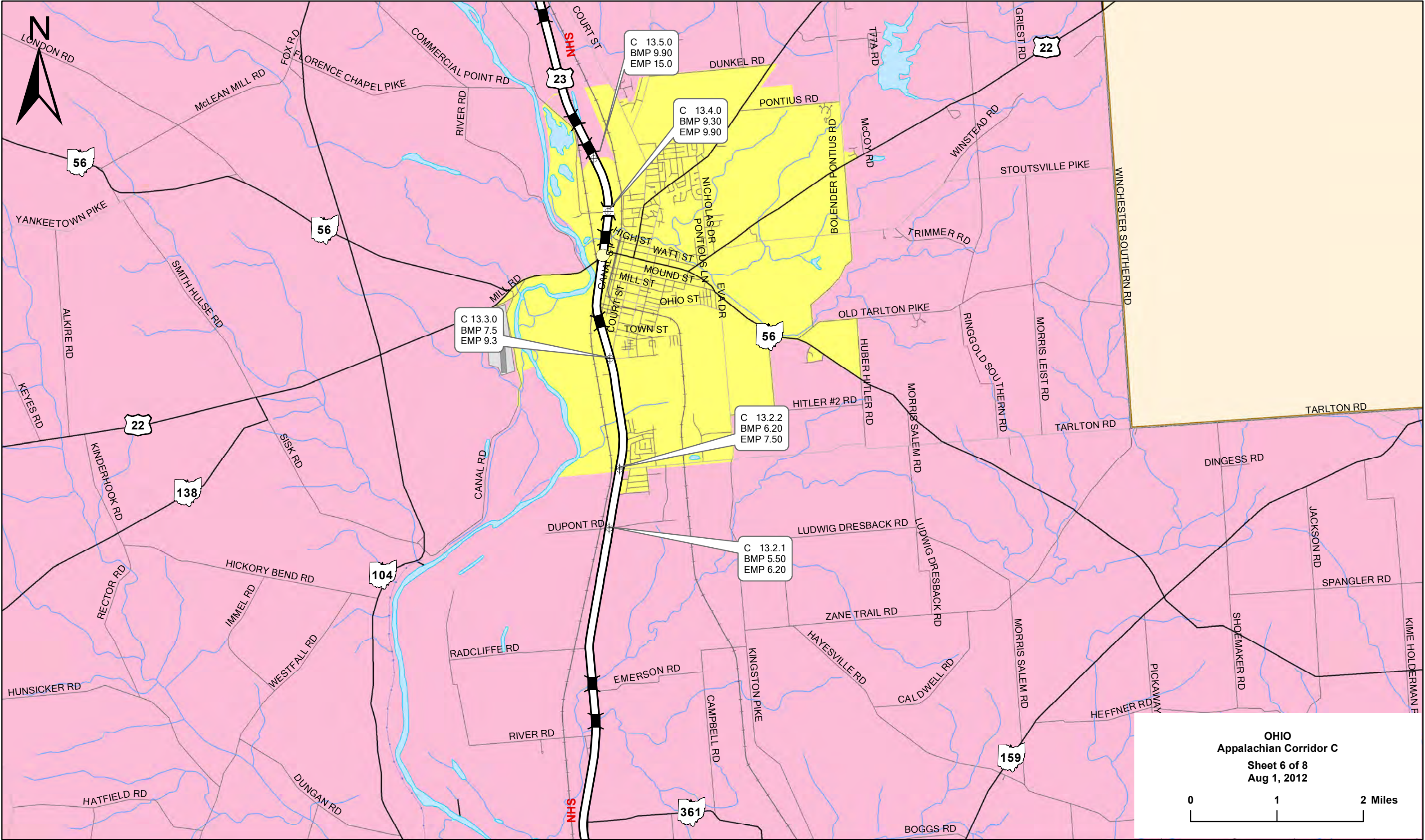


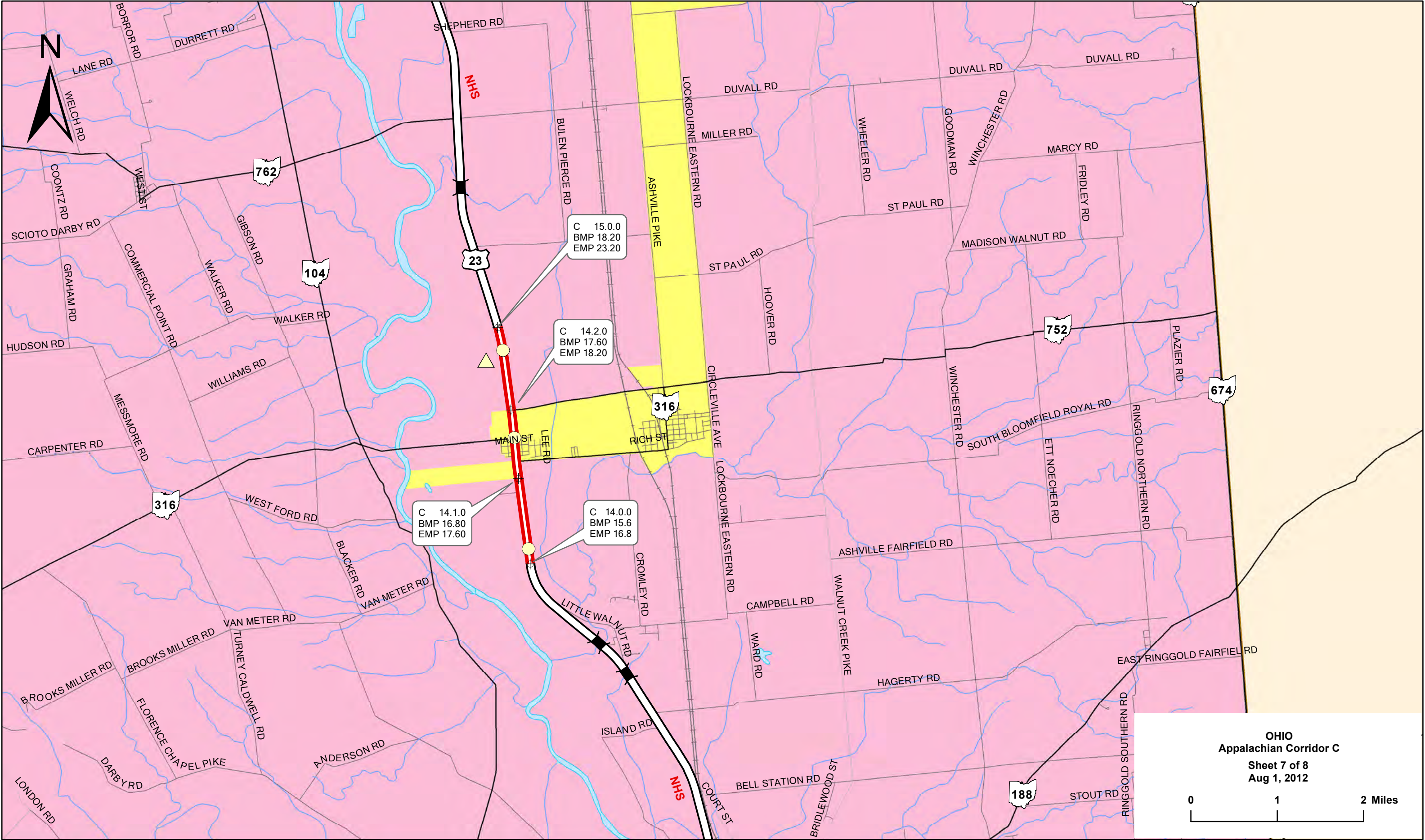


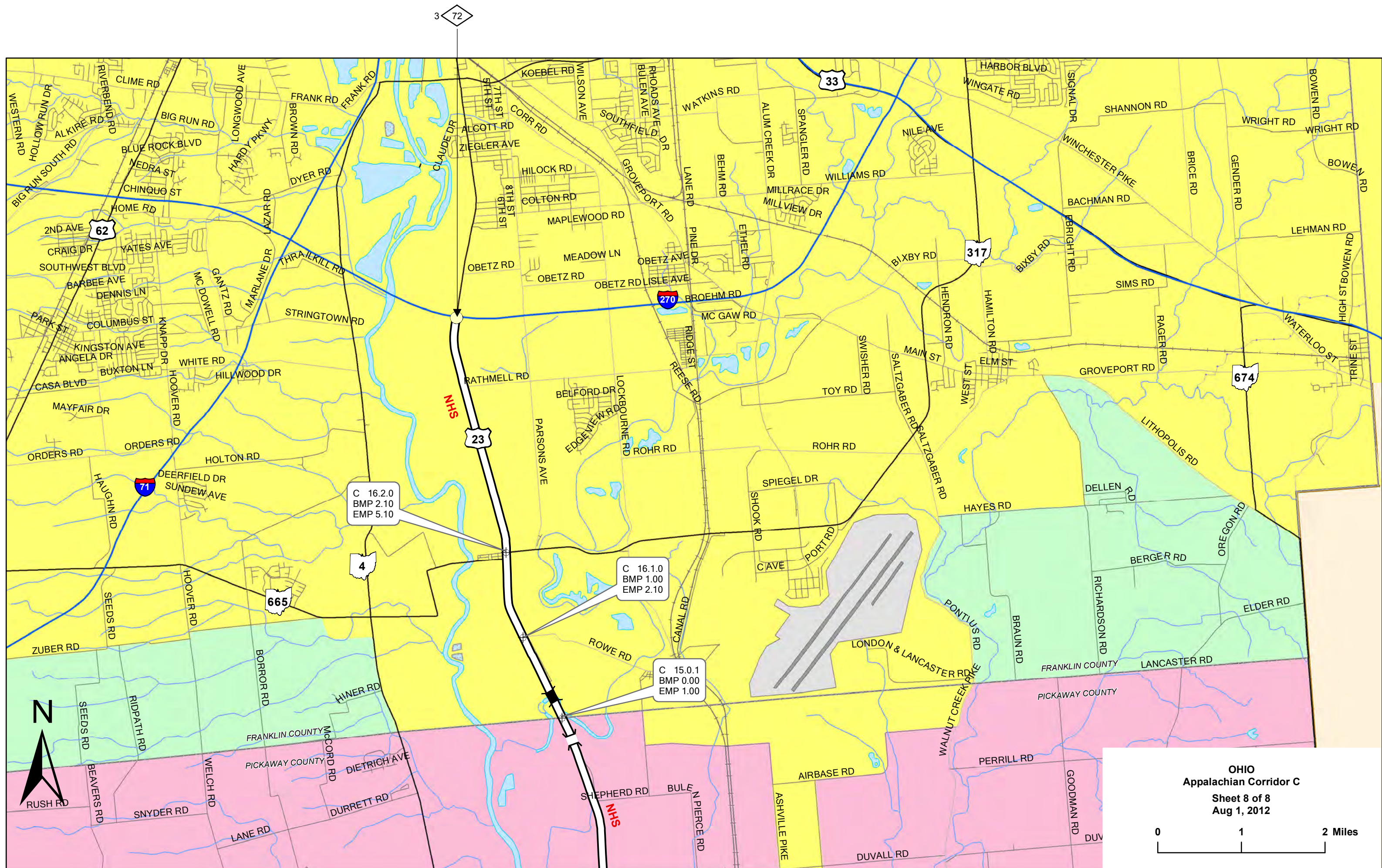












2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: C1

Section ID	C1 01.0.0	C1 02.0.0	C1 03.0.0	C1 04.0.0	C1 04.1.0	C1 04.2.0
LRS Milepoint: Beginning/Ending	22.650/26.170	26.170/35.640	35.640/38.110	0.000/11.400	11.400/11.500	11.500/12.600
Status	NP	Completed	NP	NP	NP	NP
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	1.9	9.4	2.5	11.4	0.1	1.1
3. Class/Urban Code	R/0	R/0	R/0	R/0	U/Jackson/42238	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/141/18	39/141/18	39/141/18	39/079/18	39/079/18	39/079/18
---- b. HPMS Route/Subroute	0000000035/00	0000000035/00	0000000035/00	0000000035/00	0000000035/00	0000000035/00
---- c. HPMS Signed Route/Strip Map #	US000000035/C101	US000000035/C101	US000000035/C101	US000000035/C102	US000000035/C102	US000000035/C102
5. Estimate Section/NHS Designation	2/NHS	1/NHS	2/NHS	2/NHS	2/NHS	2/NHS
6. Design Speed(mph)	70	70	70	70	70	70
7. Traffic:						
---- a. ADT-Base Year (2010)	20,480	12,786	11,714	11,928	11,928	11,928
---- b. ADT-Year 2020	28,416	17,460	15,988	18,382	18,382	18,382
---- c. Design Year	2,025	2,025	2,025	2,025	2,025	2,025
---- d. ADT-Design Year	23,720	23,720	23,720	23,720	23,720	23,720
---- e. DHV-Design Year	2,372	2,372	2,372	2,372	2,372	2,372
---- f. % Truck Design Year(DHV)	32	32	32	32	32	32
---- g. % Truck Design Year(ADT)	32	32	32	32	32	32
---- h. Directional Distribution Factor	62	62	62	62	62	62
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	C/Full	C/Full	A/Partial	A/Partial	A/Partial	A/Partial
11. Right-of-Way Width(ft), prevailing	350	350	350	350	350	350
12. Median Width(ft), prevailing	60	60	40	40	40	40
13. Status of Development(Figure 4)	np	1a	np	np	np	np

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	0	0
19. Railroad Grade Seperations	0	0	0	0	0	0
20. Highway Grade Seperations without Ramps	0	0	0	0	0	0
21. Interchanges	0	0	0	0	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OHADHS Corridor: C1

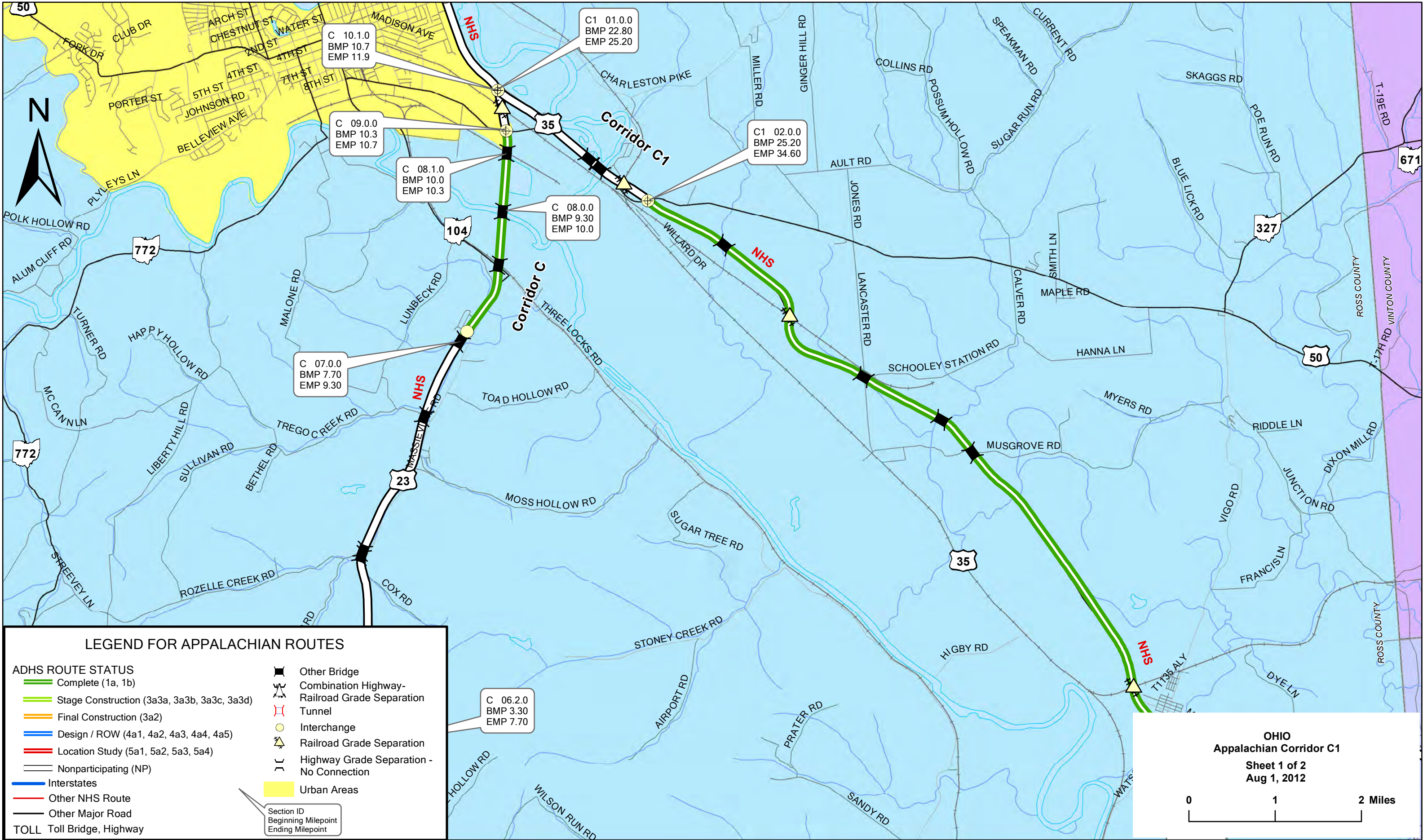
Section ID	C1 05.0.0
LRS Milepoint: Beginning/Ending	12.600/13.530
Status	NP
1. Finance Code	20
2. Section Length(Miles)	0.9
3. Class/Urban Code	U/Jackson/42238
4. Location:	
---- a. FIPS State/County/Congressional	39/079/18
---- b. HPMS Route/Subroute	0000000035/00
---- c. HPMS Signed Route/Strip Map #	US000000035/C102
5. Estimate Section/NHS Designation	2/NHS
6. Design Speed(mph)	70
7. Traffic:	
---- a. ADT-Base Year (2010)	14,022
---- b. ADT-Year 2020	20,256
---- c. Design Year	2,025
---- d. ADT-Design Year	23,720
---- e. DHV-Design Year	2,372
---- f. % Truck Design Year(DHV)	32
---- g. % Truck Design Year(ADT)	32
---- h. Directional Distribution Factor	62
8. Number of Lanes to be Constructed this Estimate	0
9. Ultimate Number of Through Traffic Lanes	4
10. Typical X-Section of Reference/Access Control	A/Partial
11. Right-of-Way Width(ft), prevailing	350
12. Median Width(ft), prevailing	40
13. Status of Development(Figure 4)	np
Estimated Cost(\$1,000) 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 Seperations	0
20. Highway Grade Seperations without Ramps	0
21. Interchanges	0
22. Other Bridges, Tunnels, and Walls	0
23. Traffic Control	0
24. Environmental Mitigation	0
25. Roadside Improvements:	
---- a. Landscape Planting	0
---- b. Rest Area, Overlooks	0
26. All Other Items	0
27. Subtotal(lines 17 thru 26)	0
28. Construction Engineering(8.00000000% of line 27)	0
29. Total Cost of Construction(lines 27 & 28)	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0

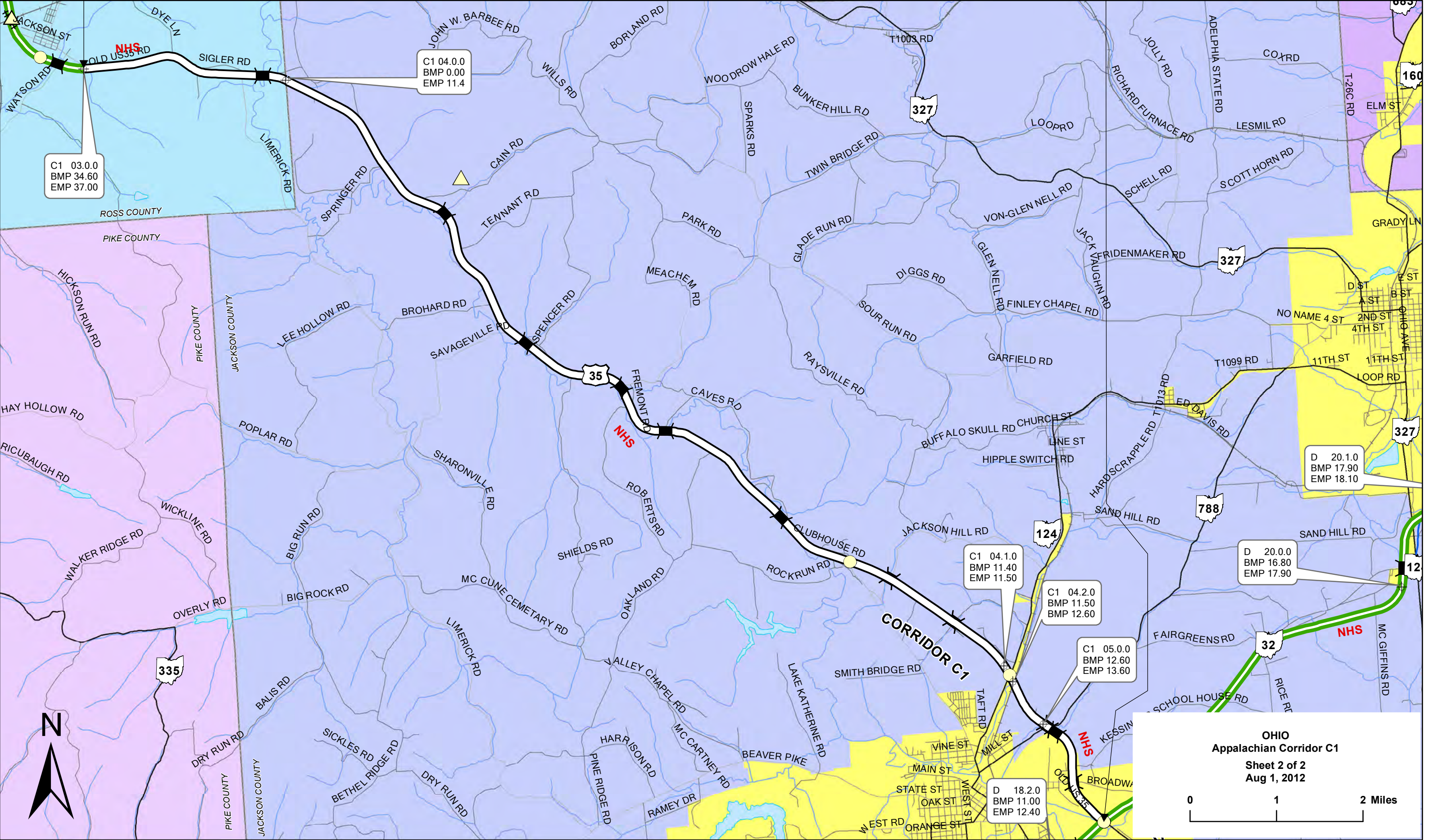
2012 Appalachian Development Highway System Cost Estimate

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

State: OHADHS Corridor: C1

Section ID LRS Milepoint 1. Finance Code 2. Section Length(Miles) 3. Class/Urban Code 4. Location: ---- a. FIPS State/County/Congressional ---- b. HPMS Route/Subroute ---- c. HPMS Signed Route/Strip Map # 5. Estimate Section/NHS Designation 6. Design Speed(mph) 7. Traffic: ---- a. ADT-Base Year (2010) ---- b. ADT-Year 2020 ---- c. Design Year ---- d. ADT-Design Year ---- e. DHV-Design Year ---- f. % Truck Design Year(DHV) ---- g. % Truck Design Year(ADT) ---- h. Directional Distribution Factor 8. Number of Lanes to be Constructed this Estimate 9. Ultimate Number of Through Traffic Lanes 10. Typical X-Section of Reference/Access Control 11. Right-of-Way Width(ft), prevailing 12. Median Width(ft), prevailing 13. Status of Development(Figure 4)	Corridor Total	Rural Subtotal	Urban Subtotal
	27.30	26.30	1.00
Estimated Cost(\$1,000) per Work Classification			
14. Preliminary Engineering: ---- a. Location ---- b. Design 15. Right-of-Way: ---- a. Acquisition ---- b. Relocation 16. Utility Adjustments			
17. Erosion Control/Clear/Grade/Drain/Minor Structure 18. Subbase, Base, Surfacing, Shoulders 19. Railroad Grade Separations 20. Highway Grade Separations without Ramps 21. Interchanges 22. Other Bridges, Tunnels, and Walls 23. Traffic Control 24. Environmental Mitigation 25. Roadside Improvements: ---- a. Landscape Planting ---- b. Rest Area, Overlooks 26. All Other Items			
27. Subtotal(lines 17 thru 26) 28. Construction Engineering(8.00000000% of line 27) 29. Total Cost of Construction(lines 27 & 28) 30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)			





2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: D

Section ID	D 01.1.0	D 01.2.0	D 02.0.0	D 03.0.0	D 03.1.0	D 03.2.0
LRS Milepoint: Beginning/Ending	1.480/4.880	4.880/6.480	6.480/12.300	12.300/13.780	13.780/16.480	0.000/5.600
Status	NP	NP	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	3.4	1.6	5.8	1.5	2.7	5.6
3. Class/Urban Code	U/Cincinnati/16885	U/16885	U/Cincinnati/16885	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/025/02	39/025/02	39/025/02	39/025/02	39/025/02	39/015/02
---- b. HPMS Route/Subroute	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00
---- c. HPMS Signed Route/Strip Map #	SR00000032/D01	SR00000032/D01	SR00000032/D01	SR00000032/D01	SR00000032/D01	SR00000032/D01
5. Estimate Section/NHS Designation	2/NHS	2/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	36,794	37,016	31,338	24,730	23,760	20,390
---- b. ADT-Year 2020	41,080	41,080	45,646	35,054	32,700	29,894
---- c. Design Year	1,998	1,998	1,990	1,990	1,998	1,998
---- d. ADT-Design Year	70,200	70,200	49,200	49,200	30,700	19,100
---- e. DHV-Design Year	7,020	7,020	4,920	4,920	3,070	1,910
---- f. % Truck Design Year(DHV)	5	5	5	5	5	5
---- g. % Truck Design Year(ADT)	10	10	10	10	10	10
---- h. Directional Distribution Factor	65	65	65	65	65	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	A/Partial	A/Partial	C/Partial	C/Partial	C/Partial	C/Partial
11. Right-of-Way Width(ft), prevailing	200	200	250	250	250	260
12. Median Width(ft), prevailing	40	40	60	60	60	60
13. Status of Development(Figure 4)	np	np	1a	1a	1a	1a

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	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	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: D

Section ID	D 04.0.0	D 04.0.1	D 04.0.2	D 04.0.3	D 04.0.4	D 05.0.0
LRS Milepoint: Beginning/Ending	5.600/8.200	0.000/0.400	8.210/9.610	0.400/0.600	9.630/11.230	11.230/16.830
Status	Completed	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	2.6	0.4	1.4	0.2	1.6	5.6
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/015/02	39/071/02	39/015/02	39/071/03	39/015/02	39/015/02
---- b. HPMS Route/Subroute	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00
---- c. HPMS Signed Route/Strip Map #	SR00000032/D02	SR00000032/D02	SR00000032/D02	SR00000032/D02	SR00000032/D02	SR00000032/D02
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	13,570	14,528	13,570	14,528	11,468	11,468
---- b. ADT-Year 2020	18,200	21,872	20,164	21,872	20,164	15,742
---- c. Design Year	1,998	1,998	1,998	1,998	1,998	2,000
---- d. ADT-Design Year	12,081	11,361	10,641	9,421	9,430	11,590
---- e. DHV-Design Year	1,205	1,133	1,061	960	950	1,159
---- f. % Truck Design Year(DHV)	5	5	5	5	5	13
---- g. % Truck Design Year(ADT)	10	10	10	10	10	13
---- h. Directional Distribution Factor	65	65	65	65	65	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	C/Partial	C/Partial	C/Partial	C/Partial	C/Partial	C/Partial
11. Right-of-Way Width(ft), prevailing	260	260	260	260	260	270
12. Median Width(ft), prevailing	60	60	60	60	60	60
13. Status of Development(Figure 4)	1a	1a	1a	1a	1a	1a

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	0	0
19. Railroad Grade Seperations	0	0	0	0	0	0
20. Highway Grade Seperations without Ramps	0	0	0	0	0	0
21. Interchanges	0	0	0	0	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: D

Section ID	D 06.0.0	D 06.0.1	D 07.0.0	D 08.0.0	D 09.0.0	D 10.0.0
LRS Milepoint: Beginning/Ending	16.830/19.630	0.000/2.600	2.600/6.400	6.400/14.800	14.800/21.800	21.800/24.900
Status	Completed	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	2.8	2.6	3.8	8.4	7	3.1
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/015/02	39/001/02	39/001/02	39/001/02	39/001/02	39/001/02
---- b. HPMS Route/Subroute	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00
---- c. HPMS Signed Route/Strip Map #	SR00000032/D02	SR00000032/D02	SR00000032/D02	SR00000032/D02	SR00000032/D03	SR00000032/D03
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	10,470	8,972	7,686	6,452	6,182	4,780
---- b. ADT-Year 2020	13,346	14,092	10,650	9,148	8,960	5,866
---- c. Design Year	2,000	1,998	2,000	1,998	1,991	1,992
---- d. ADT-Design Year	11,590	7,148	6,035	4,916	3,977	3,988
---- e. DHV-Design Year	1,159	719	608	490	395	395
---- f. % Truck Design Year(DHV)	13	7	7	7	7	7
---- g. % Truck Design Year(ADT)	13	10	10	10	10	10
---- h. Directional Distribution Factor	65	65	65	65	65	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	C/Partial	C/Partial	C/Partial	B/Partial	B/Partial	C/Partial
11. Right-of-Way Width(ft), prevailing	270	270	295	295	275	280
12. Median Width(ft), prevailing	60	60	60	40	40	70
13. Status of Development(Figure 4)	1a	1a	1a	1a	1a	1a

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	0	0
19. Railroad Grade Seperations	0	0	0	0	0	0
20. Highway Grade Seperations without Ramps	0	0	0	0	0	0
21. Interchanges	0	0	0	0	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: D

Section ID	D 10.0.1	D 11.0.0	D 12.0.0	D 13.0.0	D 14.0.0	D 15.0.0
LRS Milepoint: Beginning/Ending	0.000/3.300	3.300/9.300	9.300/13.800	13.800/15.100	15.100/15.500	15.500/20.700
Status	Completed	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	3.3	6	4.5	1.3	0.4	5.2
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/131/02	39/131/02	39/131/02	39/131/02	39/131/02	39/131/02
---- b. HPMS Route/Subroute	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00
---- c. HPMS Signed Route/Strip Map #	SR00000032/D03	SR00000032/D03	SR00000032/D04	SR00000032/D04	SR00000032/D04	SR00000032/D04
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	4,766	4,766	6,122	9,920	9,834	8,732
---- b. ADT-Year 2020	5,616	5,616	7,508	14,124	14,124	11,670
---- c. Design Year	1,992	1,992	1,990	2,008	1,998	2,008
---- d. ADT-Design Year	3,988	5,129	6,739	12,031	8,061	9,284
---- e. DHV-Design Year	395	512	672	1,203	810	928
---- f. % Truck Design Year(DHV)	7	7	7	16	7	16
---- g. % Truck Design Year(ADT)	10	10	10	16	10	16
---- h. Directional Distribution Factor	65	70	65	65	65	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	C/Partial	A/Partial	A/Partial	B/Partial	B/Partial	B/Partial
11. Right-of-Way Width(ft), prevailing	280	265	250	250	300	300
12. Median Width(ft), prevailing	70	40	40	40	40	40
13. Status of Development(Figure 4)	1a	1a	1a	1a	1a	1a

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	0	0
19. Railroad Grade Seperations	0	0	0	0	0	0
20. Highway Grade Seperations without Ramps	0	0	0	0	0	0
21. Interchanges	0	0	0	0	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: D

Section ID	D 16.0.0	D 17.0.0	D 17.0.1	D 18.1.0	D 18.1.1	D 18.2.0
LRS Milepoint: Beginning/Ending	20.700/28.400	28.400/28.700	0.000/6.400	6.400/9.800	9.800/11.000	11.000/12.400
Status	Completed	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	7.7	0.3	6.4	3.4	1.2	1.4
3. Class/Urban Code	R/0	R/0	R/0	R/0	U/Jackson/42238	U/42238
4. Location:						
---- a. FIPS State/County/Congressional	39/131/02	39/131/02	39/079/18	39/079/18	39/079/18	39/079/18
---- b. HPMS Route/Subroute	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00
---- c. HPMS Signed Route/Strip Map #	SR00000032/D04	SR00000032/D05	SR00000032/D05	SR00000032/D05	SR00000032/D05	SR00000032/D05
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	6,042	5,568	5,874	6,884	9,888	12,560
---- b. ADT-Year 2020	9,252	8,646	8,562	10,158	15,274	17,782
---- c. Design Year	1,988	1,988	1,988	1,988	1,988	1,989
---- d. ADT-Design Year	4,169	3,732	4,100	4,532	4,532	7,400
---- e. DHV-Design Year	416	373	425	459	459	736
---- f. % Truck Design Year(DHV)	7	7	7	7	7	7
---- g. % Truck Design Year(ADT)	10	10	10	10	10	10
---- h. Directional Distribution Factor	65	70	70	70	70	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	F/Partial	A/Partial	A/Partial	A/Partial	A/Partial	A/Partial
11. Right-of-Way Width(ft), prevailing	250	250	250	285	285	285
12. Median Width(ft), prevailing	40	40	40	40	40	40
13. Status of Development(Figure 4)	1a	1a	1a	1a	1a	1a

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	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	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: D

Section ID	D 19.0.0	D 20.0.0	D 20.1.0	D 20.2.0	D 20.3.0	D 21.1.0
LRS Milepoint: Beginning/Ending	12.400/16.800	16.800/17.900	17.900/18.100	18.100/18.300	18.300/21.900	21.900/24.500
Status	Completed	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	4.4	1.1	0.2	0.2	3.6	2.6
3. Class/Urban Code	R/0	U/Wellston/93781	U/93781	U/93781	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/079/18	39/079/18	39/079/18	39/079/18	39/079/18	39/079/18
---- b. HPMS Route/Subroute	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00
---- c. HPMS Signed Route/Strip Map #	SR00000032/D05	SR00000032/D05	SR00000032/D05	SR00000032/D05	SR00000032/D05	SR00000032/D05
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	12,560	12,560	4,016	4,016	4,016	4,046
---- b. ADT-Year 2020	17,782	17,782	5,914	6,440	6,440	6,440
---- c. Design Year	1,988	1,988	1,988	1,988	1,988	1,988
---- d. ADT-Design Year	7,389	7,389	2,271	2,271	2,271	2,130
---- e. DHV-Design Year	736	736	224	224	224	210
---- f. % Truck Design Year(DHV)	7	7	7	7	7	7
---- g. % Truck Design Year(ADT)	10	10	10	10	10	10
---- h. Directional Distribution Factor	65	65	70	70	70	70
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	A/Partial	A/Partial	A/Partial	A/Partial	A/Partial	A/Partial
11. Right-of-Way Width(ft), prevailing	265	265	255	245	245	245
12. Median Width(ft), prevailing	40	40	40	50	50	40
13. Status of Development(Figure 4)	1a	1a	1a	1a	1a	1a

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	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	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: D

Section ID	D 21.2.0	D 22.0.0	D 22.0.1	D 23.1.0	D 23.1.1	D 23.1.2
LRS Milepoint: Beginning/Ending	0.000/4.300	4.300/7.700	0.000/1.500	1.500/3.800	0.000/1.400	1.750/1.830
Status	Completed	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	4.3	3.4	1.5	2.3	1.4	0.8
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/163/18	39/163/18	39/105/06	39/105/06	39/009/06	39/009/06
---- b. HPMS Route/Subroute	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000032/00	0000000050/00
---- c. HPMS Signed Route/Strip Map #	SR00000032/D06	SR00000032/D06	SR00000032/D06	SR00000032/D06	SR00000032/D06	US00000050/D06
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	3,788	3,402	3,550	4,180	4,378	7,750
---- b. ADT-Year 2020	5,236	4,762	4,750	5,336	5,168	10,522
---- c. Design Year	1,988	1,988	1,988	1,988	1,988	1,988
---- d. ADT-Design Year	1,930	1,930	1,930	1,790	1,790	1,790
---- e. DHV-Design Year	190	190	190	180	180	180
---- f. % Truck Design Year(DHV)	7	7	7	5	5	5
---- g. % Truck Design Year(ADT)	10	10	10	10	10	10
---- h. Directional Distribution Factor	70	70	70	65	65	65
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	A/Partial	A/Partial	A/Partial	A/Partial	A/Partial	A/Partial
11. Right-of-Way Width(ft), prevailing	250	250	250	250	250	250
12. Median Width(ft), prevailing	40	40	40	40	40	40
13. Status of Development(Figure 4)	1a	1a	1a	1a	1a	1a

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	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	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: D

Section ID	D 23.2.0	D 24.1.0	D 24.1.1	D 24.2.0	D 25.0.0	D 26.0.0
LRS Milepoint: Beginning/Ending	1.830/4.330	4.330/8.100	8.100/9.130	9.130/10.230	10.230/10.530	10.530/10.930
Status	Completed	Completed	Completed	Completed	NP	NP
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	2.5	3.8	1	1.1	0.3	0.4
3. Class/Urban Code	R/0	R/0	U/Athens/03682	U/03682	U/03682	U/03682
4. Location:						
---- a. FIPS State/County/Congressional	39/009/06	39/009/06	39/009/06	39/009/06	39/009/06	39/009/06
---- b. HPMS Route/Subroute	0000000050/00	0000000050/00	0000000050/00	0000000050/00	0000000050/00	0000000050/00
---- c. HPMS Signed Route/Strip Map #	US00000050/D06	US00000050/D06	US00000050/D06	US00000050/D07	US00000050/D07	US00000050/D07
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	2/NHS	2/NHS
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	7,750	9,288	12,784	12,784	16,698	16,698
---- b. ADT-Year 2020	10,522	12,348	16,852	16,852	21,488	21,488
---- c. Design Year	1,989	2,006	2,006	2,006	2,006	2,006
---- d. ADT-Design Year	3,750	20,290	20,290	20,290	20,290	20,290
---- e. DHV-Design Year	380	1,826	1,826	1,826	1,826	1,826
---- f. % Truck Design Year(DHV)	5	5	5	5	5	5
---- g. % Truck Design Year(ADT)	10	10	10	10	10	10
---- h. Directional Distribution Factor	65	58	58	58	58	58
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	A/Partial	A/Partial	A/Partial	F/Partial	H/Partial	H/Partial
11. Right-of-Way Width(ft), prevailing	250	250	250	250	170	800
12. Median Width(ft), prevailing	40	40	40	40	4	6
13. Status of Development(Figure 4)	1a	1a	1a	1a	np	np

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	0	0
19. Railroad Grade Seperations	0	0	0	0	0	0
20. Highway Grade Seperations without Ramps	0	0	0	0	0	0
21. Interchanges	0	0	0	0	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: D

Section ID	D 27.1.0	D 27.2.0	D 27.2.1	D 28.1.1	D 28.1.2	D 28.2.1
LRS Milepoint: Beginning/Ending	10.930/11.830	11.830/17.850	17.760/17.260	17.260/16.360	16.360/15.860	14.010/16.010
Status	Completed	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	0.9	0.2	0.5	0.9	0.5	2
3. Class/Urban Code	U/03682	U/03682	U/03682	U/03682	U/03682	U/705
4. Location:						
---- a. FIPS State/County/Congressional	39/009/06	39/009/06	39/009/06	39/009/06	39/009/06	39/009/06
---- b. HPMS Route/Subroute	0000000050/00	0000000050/00	0000000033/00	0000000033/00	0000000033/00	0000000050/00
---- c. HPMS Signed Route/Strip Map #	US00000050/D07	US00000050/D07	US00000033/D07	US00000033/D07	US00000033/D07	US00000050/D07
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	16,698	14,158	19,234	23,250	22,042	11,342
---- b. ADT-Year 2020	21,488	17,250	24,172	29,840	29,840	14,478
---- c. Design Year	2,006	2,006	2,013	2,013	1,993	1,993
---- d. ADT-Design Year	20,290	20,290	10,950	10,950	17,710	17,710
---- e. DHV-Design Year	1,826	1,826	591	591	775	775
---- f. % Truck Design Year(DHV)	5	5	5	5	5	5
---- g. % Truck Design Year(ADT)	10	10	10	10	10	10
---- h. Directional Distribution Factor	58	58	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	B/Partial	B/Partial	B/Partial	B/Partial	B/Partial	B/Partial
11. Right-of-Way Width(ft), prevailing	500	500	500	500	700	350
12. Median Width(ft), prevailing	40	40	40	40	40	40
13. Status of Development(Figure 4)	1a	1a	1a	1a	1a	1a

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	0	0
19. Railroad Grade Seperations	0	0	0	0	0	0
20. Highway Grade Seperations without Ramps	0	0	0	0	0	0
21. Interchanges	0	0	0	0	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: D

Section ID	D 28.2.2	D 29.0.0	D 29.1.0	D 30.0.0	D 31.0.0	D 32.0.0
LRS Milepoint: Beginning/Ending	16.010/16.910	16.910/17.300	17.300/21.210	21.210/29.310	29.310/32.810	32.810/40.010
Status	Completed	Completed	Completed	Completed	Completed	NP
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	0.9	0.4	3.9	8.1	3.5	7.2
3. Class/Urban Code	U/03682	U/03682	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	39/009/06	39/009/06	39/009/06	39/009/06	39/009/06	39/009/06
---- b. HPMS Route/Subroute	0000000050/00	0000000050/00	0000000050/00	0000000050/00	0000000050/00	0000000050/00
---- c. HPMS Signed Route/Strip Map #	US00000050/D07	US00000050/D07	US00000050/D07	US00000050/D07	US00000050/D08	US00000050/D08
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	2/NHS
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	11,342	11,440	11,534	9,348	7,906	7,906
---- b. ADT-Year 2020	14,478	16,590	16,590	11,874	10,874	10,874
---- c. Design Year	1,993	1,993	1,988	1,988	2,016	2,016
---- d. ADT-Design Year	17,710	17,710	8,560	8,560	7,500	7,500
---- e. DHV-Design Year	775	775	730	730	730	725
---- f. % Truck Design Year(DHV)	5	5	5	5	5	5
---- g. % Truck Design Year(ADT)	10	10	19	19	19	10
---- h. Directional Distribution Factor	60	60	50	50	50	60
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	B/Partial	F/Partial	F/Partial	F/Partial	F/Partial	G/Partial
11. Right-of-Way Width(ft), prevailing	350	250	250	250	450	300
12. Median Width(ft), prevailing	40	40	40	40	200	40
13. Status of Development(Figure 4)	1a	1a	1a	1a	1a	np

Estimated Cost(\$1,000) per Work Classification

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	0	0	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	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	0	0
19. Railroad Grade Seperations	0	0	0	0	0	0
20. Highway Grade Seperations without Ramps	0	0	0	0	0	0
21. Interchanges	0	0	0	0	0	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 thru 26)	0	0	0	0	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: OH

ADHS Corridor: D

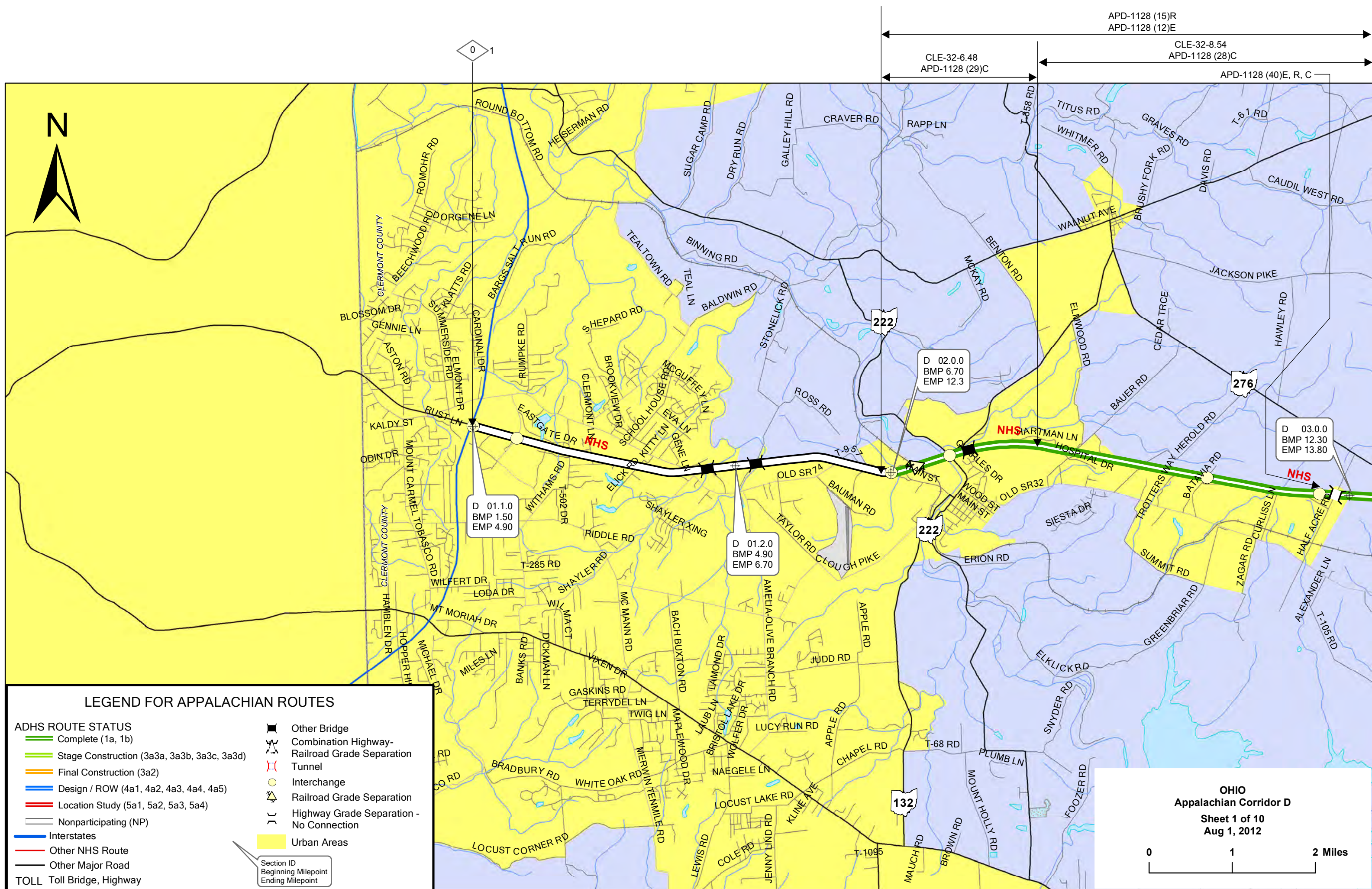
Section ID	D 32.0.1	D 32.1.0
LRS Milepoint: Beginning/Ending	0.000/4.900	4.900/5.400
Status	NP	Completed
1. Finance Code	20	20
2. Section Length(Miles)	4	0.5
3. Class/Urban Code	R/0	R/0
4. Location:		
---- a. FIPS State/County/Congressional	39/167/06	39/167/06
---- b. HPMS Route/Subroute	0000000050/00	000000050P/00
---- c. HPMS Signed Route/Strip Map #	US00000050/D08	US0000050P/D08
5. Estimate Section/NHS Designation	2/NHS	1/NHS
6. Design Speed(mph)	60	60
7. Traffic:		
---- a. ADT-Base Year (2010)	10,170	18,626
---- b. ADT-Year 2020	10,240	22,940
---- c. Design Year	1,998	2,020
---- d. ADT-Design Year	9,570	18,700
---- e. DHV-Design Year	650	3,018
---- f. % Truck Design Year(DHV)	5	10
---- g. % Truck Design Year(ADT)	10	15
---- h. Directional Distribution Factor	65	50
8. Number of Lanes to be Constructed this Estimate	0	0
9. Ultimate Number of Through Traffic Lanes	4	4
10. Typical X-Section of Reference/Access Control	G/Partial	K/Full
11. Right-of-Way Width(ft), prevailing	300	130
12. Median Width(ft), prevailing	40	10
13. Status of Development(Figure 4)	np	1a

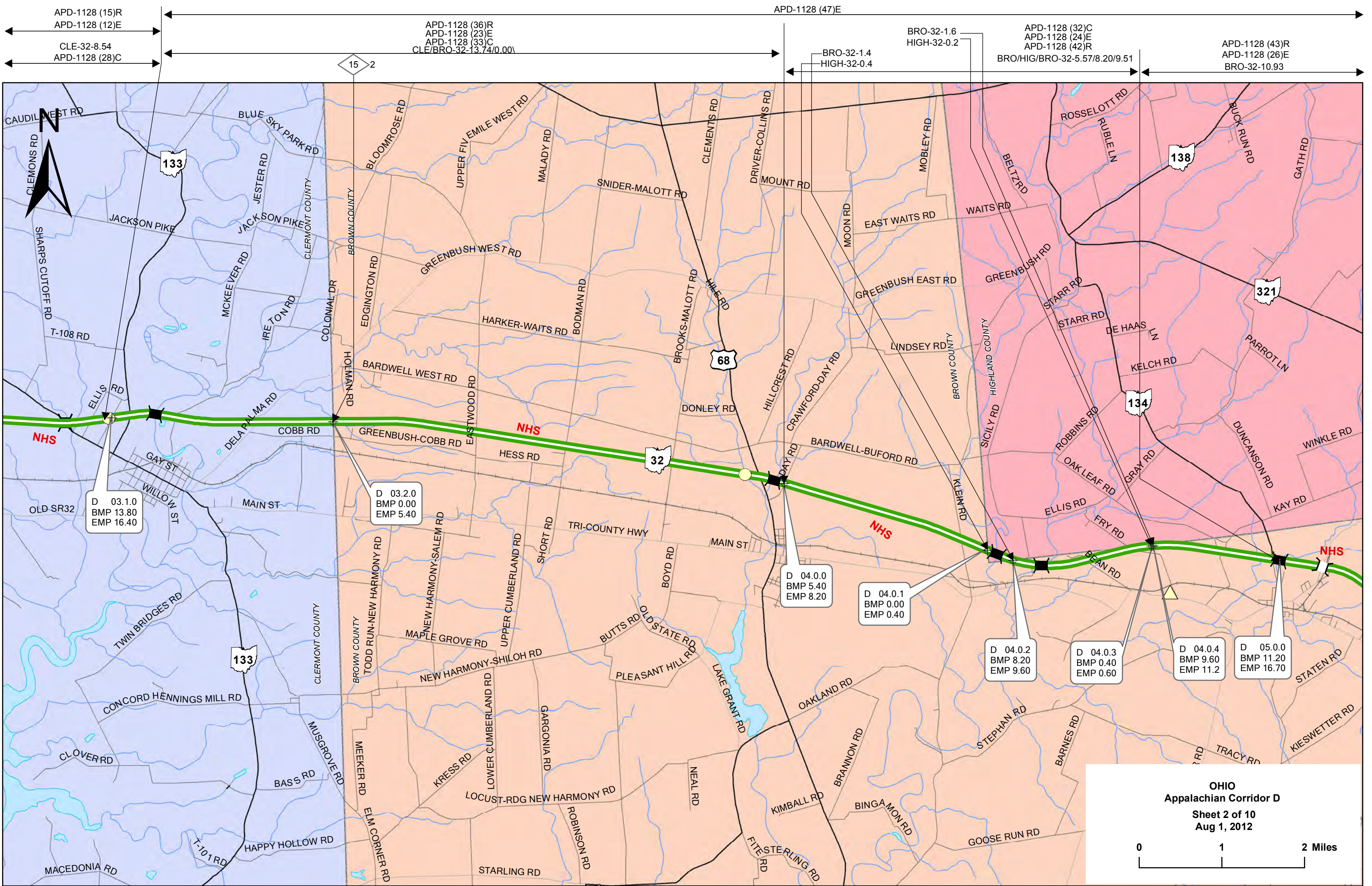
Estimated Cost(\$1,000) per Work Classification		
14. Preliminary Engineering:		
---- a. Location	0	0
---- b. Design	0	0
15. Right-of-Way:		
---- a. Acquisition	0	0
---- b. Relocation	0	0
16. Utility Adjustments	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0
19. Railroad Grade Separations	0	0
20. Highway Grade Separations without Ramps	0	0
21. Interchanges	0	0
22. Other Bridges, Tunnels, and Walls	0	0
23. Traffic Control	0	0
24. Environmental Mitigation	0	0
25. Roadside Improvements:		
---- a. Landscape Planting	0	0
---- b. Rest Area, Overlooks	0	0
26. All Other Items	0	0
27. Subtotal(lines 17 thru 26)	0	0
28. Construction Engineering(8.00000000% of line 27)	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0

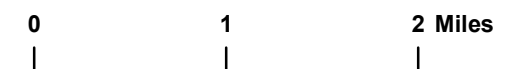
State: OH

ADHS Corridor: D

Section ID LRS Milepoint 1. Finance Code 2. Section Length(Miles) 3. Class/Urban Code 4. Location: ---- a. FIPS State/County/Congressional ---- b. HPMS Route/Subroute ---- c. HPMS Signed Route/Strip Map # 5. Estimate Section/NHS Designation 6. Design Speed(mph) 7. Traffic: ---- a. ADT-Base Year (2010) ---- b. ADT-Year 2020 ---- c. Design Year ---- d. ADT-Design Year ---- e. DHV-Design Year ---- f. % Truck Design Year(DHV) ---- g. % Truck Design Year(ADT) ---- h. Directional Distribution Factor 8. Number of Lanes to be Constructed this Estimate 9. Ultimate Number of Through Traffic Lanes 10. Typical X-Section of Reference/Access Control 11. Right-of-Way Width(ft), prevailing 12. Median Width(ft), prevailing 13. Status of Development(Figure 4)	Corridor Total	Rural Subtotal	Urban Subtotal
	169.60	145.60	24.00
Estimated Cost(\$1,000) per Work Classification			
14. Preliminary Engineering: ---- a. Location ---- b. Design 15. Right-of-Way: ---- a. Acquisition ---- b. Relocation 16. Utility Adjustments			
17. Erosion Control/Clear/Grade/Drain/Minor Structure 18. Subbase, Base, Surfacing, Shoulders 19. Railroad Grade Separations 20. Highway Grade Separations without Ramps 21. Interchanges 22. Other Bridges, Tunnels, and Walls 23. Traffic Control 24. Environmental Mitigation 25. Roadside Improvements: ---- a. Landscape Planting ---- b. Rest Area, Overlooks 26. All Other Items			
27. Subtotal(lines 17 thru 26) 28. Construction Engineering(8.00000000% of line 27) 29. Total Cost of Construction(lines 27 & 28) 30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)			







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APD-1128 (27)E
APD-1128 (46)R
APD-1128 (39)C

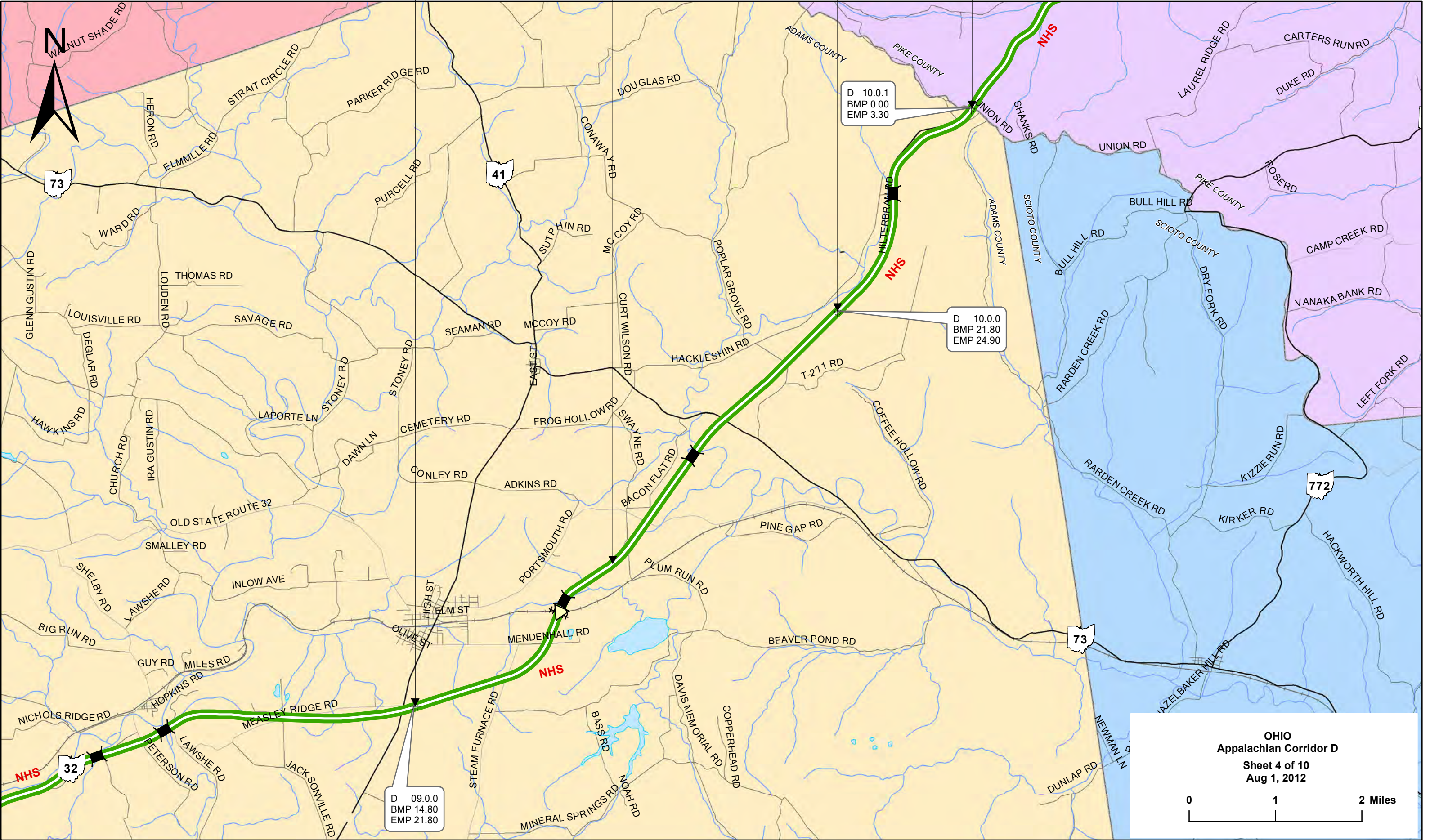
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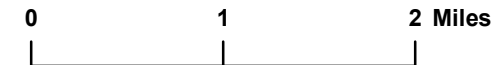
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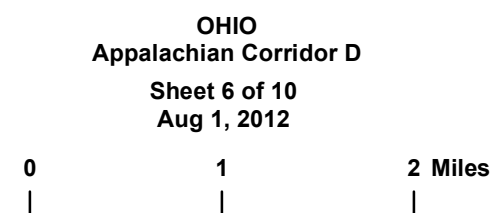
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APD-1128 (13)E

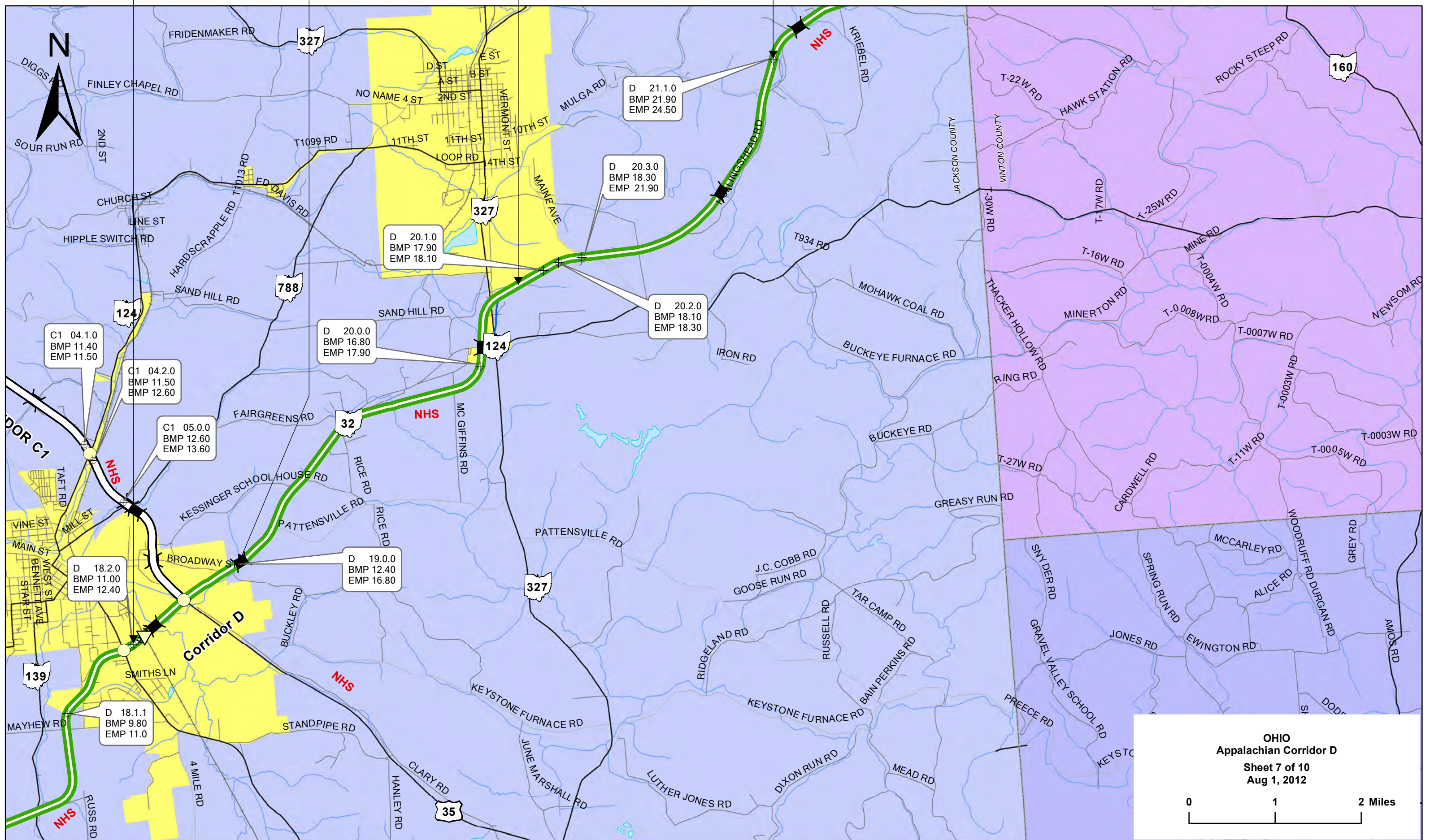
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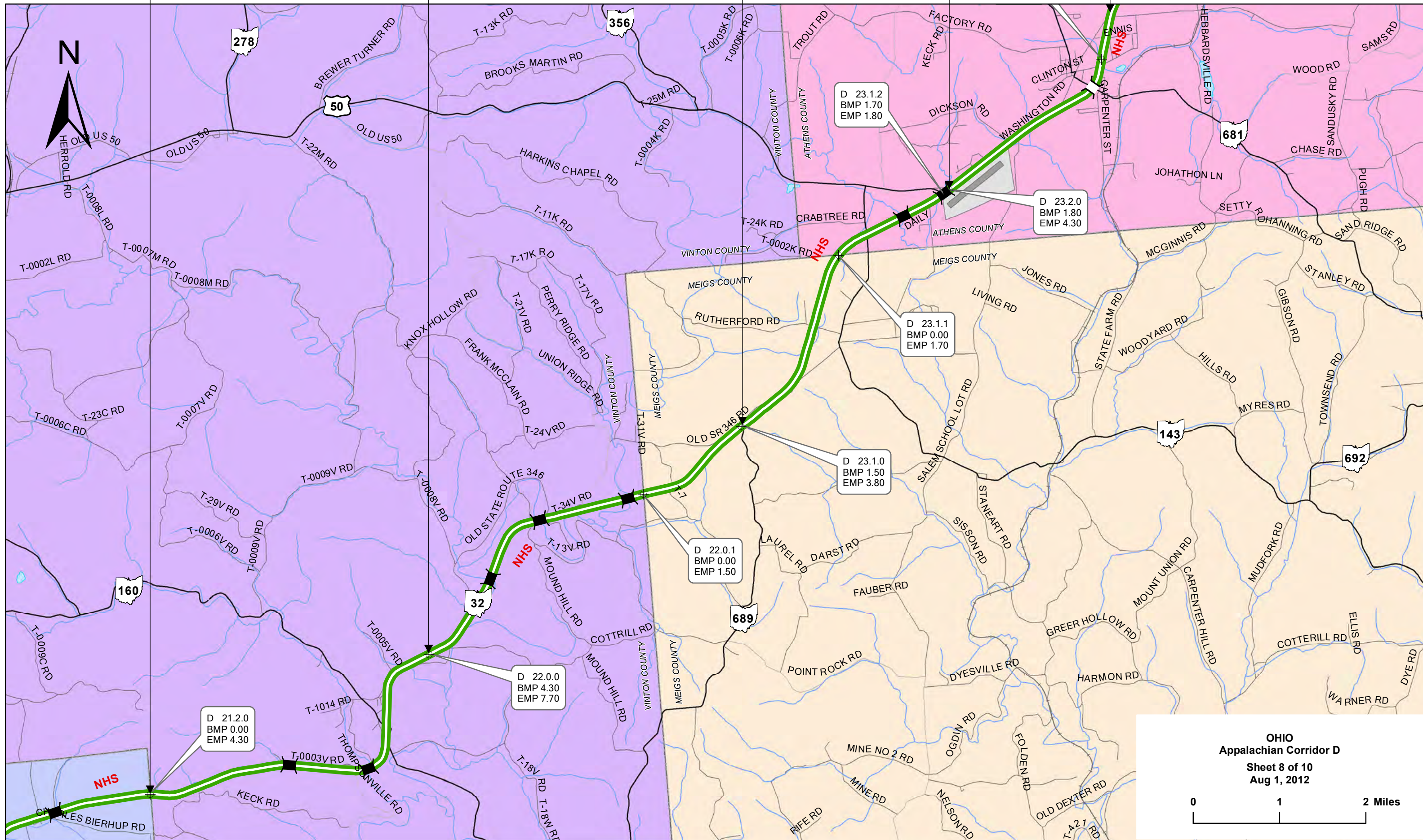
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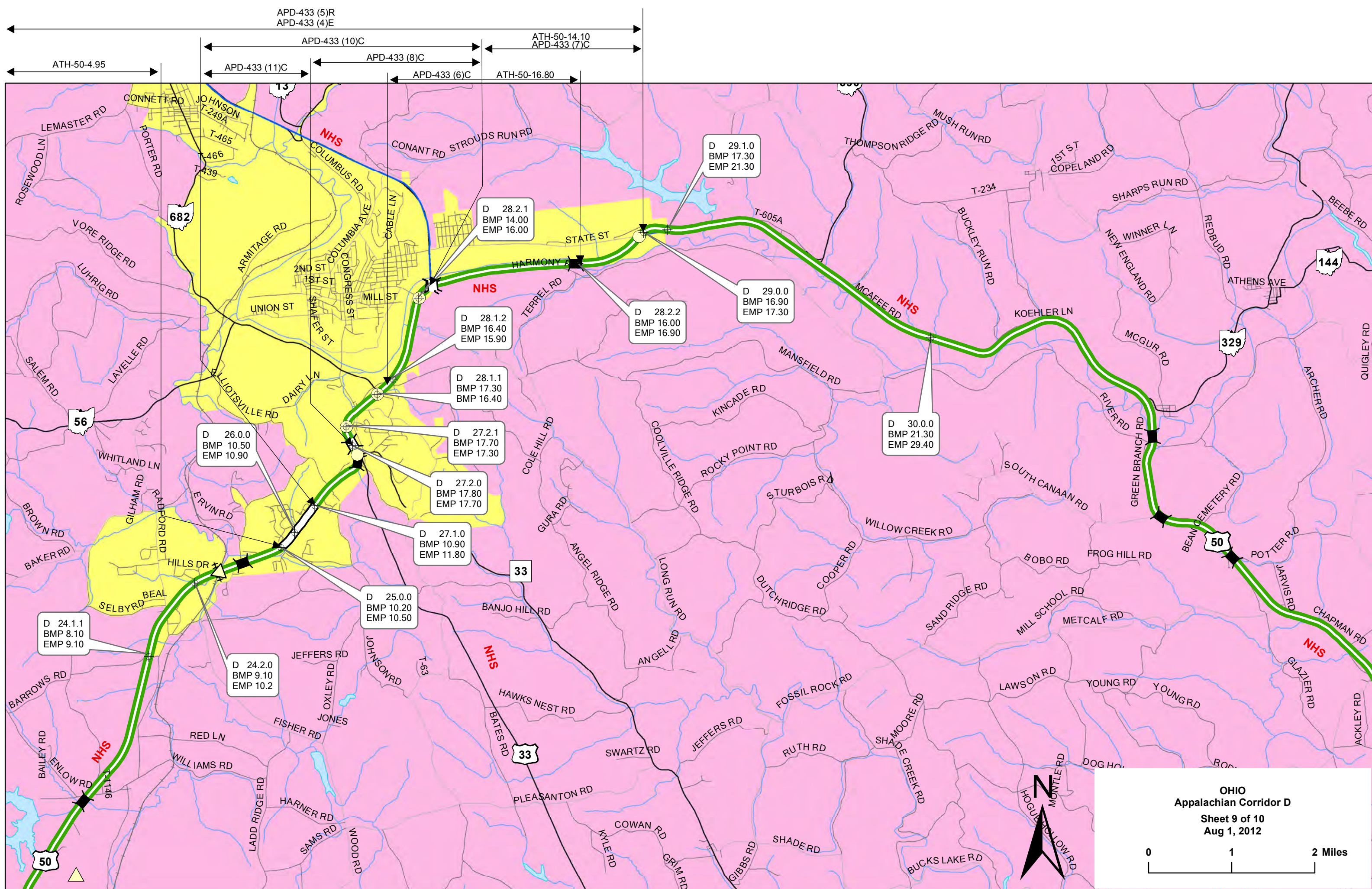












2012 Appalachian Development Highway System Cost Estimate

Table C State/Commonwealth of Ohio

Cost Estimates By Corridors and State Total

(Includes all eligible costs and associated mileages reported in Table B for Finance codes 21, 22, and 23)

ADHS Corridor		B		B1		C	
Class: Rural or Urban		Rural	Urban	Rural	Urban	Rural	Urban
Length in miles		12.5	3.7	0.0	0.0	3.9	3.2
Total Mileage (Rural + Urban)		16.2		0.0		7.1	
Work Classification		Estimated Costs (\$1,000)					
14. Preliminary Engineering: a. Location		0	0	0	0	0	0
b. Design		0	0	0	0	3,502	3,225
15. Right-of-Way: a. Acquisition		8,805	5,966	0	0	1,561	4,296
b. Relocation		1,497	1,141	0	0	282	678
16. Utility Adjustments		1,047	540	0	0	58	142
17. Ersn Ctrl/Clear/Grade/Drain/Minor Structure		118,118	28,147	0	0	6,893	13,557
18. Subbase, Base, Surfacing, Shoulders		26,017	6,526	0	0	14,488	9,823
19. Railroad Grade Separations		1,182	6,051	0	0	0	0
20. Highway Grade Separation without Ramps		16,506	22,116	0	0	1,188	1,760
21. Interchanges		27,603	14,650	0	0	10,664	9,633
22. Other Bridges, Tunnels, and Walls		245	0	0	0	845	924
23. Traffic Control		3,297	947	0	0	1,140	1,867
24. Environmental Mitigation		4,421	672	0	0	50	100
25. Roadside Improvements: a. Landscape Planting		0	0	0	0	0	0
b. Rest Areas, Overlooks		0	0	0	0	0	0
26. All Other Items		21,762	2,263	0	0	706	864
27. Subtotal (Lines 17 through 26)		219,151	81,372	0	0	35,974	38,528
28. Construction E & C (8.00% of line 27)		17,532	6,510	0	0	2,878	3,082
29. Total Cost of Construction (lines 27 and 28)		236,683	87,882	0	0	38,852	41,610
30. Total Estimated Cost (lines 14, 15, 16, & 29)		260,434	100,305	0	0	46,468	52,449
31. Total Cost (Rural + Urban)		360,739		0		98,916	

2012 Appalachian Development Highway System Cost Estimate

Table C State/Commonwealth of Ohio

Cost Estimates By Corridors and State Total

(Includes all eligible costs and associated mileages reported in Table B for Finance codes 21, 22, and 23)

ADHS Corridor	C1		D		Subtotal		State Total
Class: Rural or Urban	Rural	Urban	Rural	Urban	Rural	Urban	
Length in miles	0.0	0.0	0.0	0.0	16.4	6.9	
Total Mileage (Rural + Urban)	0.0		0.0				23.3
Work Classification	Estimated Costs (\$1,000)						
14. Preliminary Engineering: a. Location	0	0	0	0	0	0	0
b. Design	0	0	0	0	3,502	3,225	6,727
15. Right-of-Way: a. Acquisition	0	0	0	0	10,366	10,262	20,628
b. Relocation	0	0	0	0	1,779	1,819	3,598
16. Utility Adjustments	0	0	0	0	1,105	682	1,787
17. Ersn Ctrl/Clear/Grade/Drain/Minor Structure	0	0	0	0	125,011	41,704	166,715
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	40,505	16,349	56,854
19. Railroad Grade Separations	0	0	0	0	1,182	6,051	7,233
20. Highway Grade Separation without Ramps	0	0	0	0	17,694	23,876	41,570
21. Interchanges	0	0	0	0	38,267	24,283	62,550
22. Other Bridges, Tunnels, and Walls	0	0	0	0	1,090	924	2,014
23. Traffic Control	0	0	0	0	4,437	2,814	7,251
24. Environmental Mitigation	0	0	0	0	4,471	772	5,243
25. Roadside Improvements: a. Landscape Planting	0	0	0	0	0	0	0
b. Rest Areas, Overlooks	0	0	0	0	0	0	0
26. All Other Items	0	0	0	0	22,468	3,127	25,595
27. Subtotal (Lines 17 through 26)	0	0	0	0	255,125	119,900	375,025
28. Construction E & C (8.00% of line 27)	0	0	0	0	20,410	9,592	30,002
29. Total Cost of Construction (lines 27 and 28)	0	0	0	0	275,535	129,492	405,027
30. Total Estimated Cost (lines 14, 15, 16, & 29)	0	0	0	0	306,901	152,754	
31. Total Cost (Rural + Urban)	0		0				459,655

TABLE D
Prefinanced (AC-APD) Projects, Bond Issue Projects, and Advanced Right-of-Way Projects
(Projects Completed or in Authorized Status as of Sept 30, 2011)

State/Commonwealth of Ohio

Appalachian Corridor	Estimate Section (Milepost)	Project Number	Work Class	Rural or Urban	APD Funds	State Funds	Total Cost (\$1,000)
		Totals					

TABLE E Federal Funds Earmarked for the ADHS and Not Obligated by Sept 30, 2011

Name of the Act	Section in the Act	ADHS Corridor	FHWA Approp. Code	Description of the Project	Total Amount of Federal Funds Authorized	Remaining Amount of Federal Funds not obligated	