



ALABAMA

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

May 2012
(Data as of September 30, 2011)

Prepared by the Alabama Department of Transportation

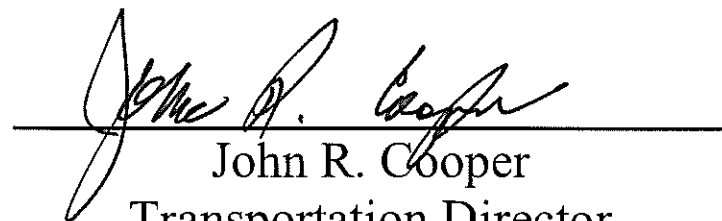
In Cooperation with the

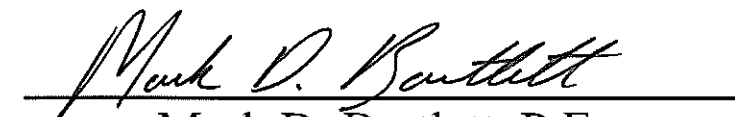
U.S. Department of Transportation
Federal Highway Administration
Appalachian Regional Commission
and the

Nick J. Rahall, II Appalachian Transportation Institute

This 2012 Estimate of the Cost of Completing the Appalachian Development Highway System
in the State of Alabama as of September 30, 2011 was prepared in accordance with the
2012 ADHS Cost Estimate Guidelines and Software Instruction Manual by the
Alabama Department of Transportation in cooperation with the
Federal Highway Administration and the Appalachian Regional Commission.

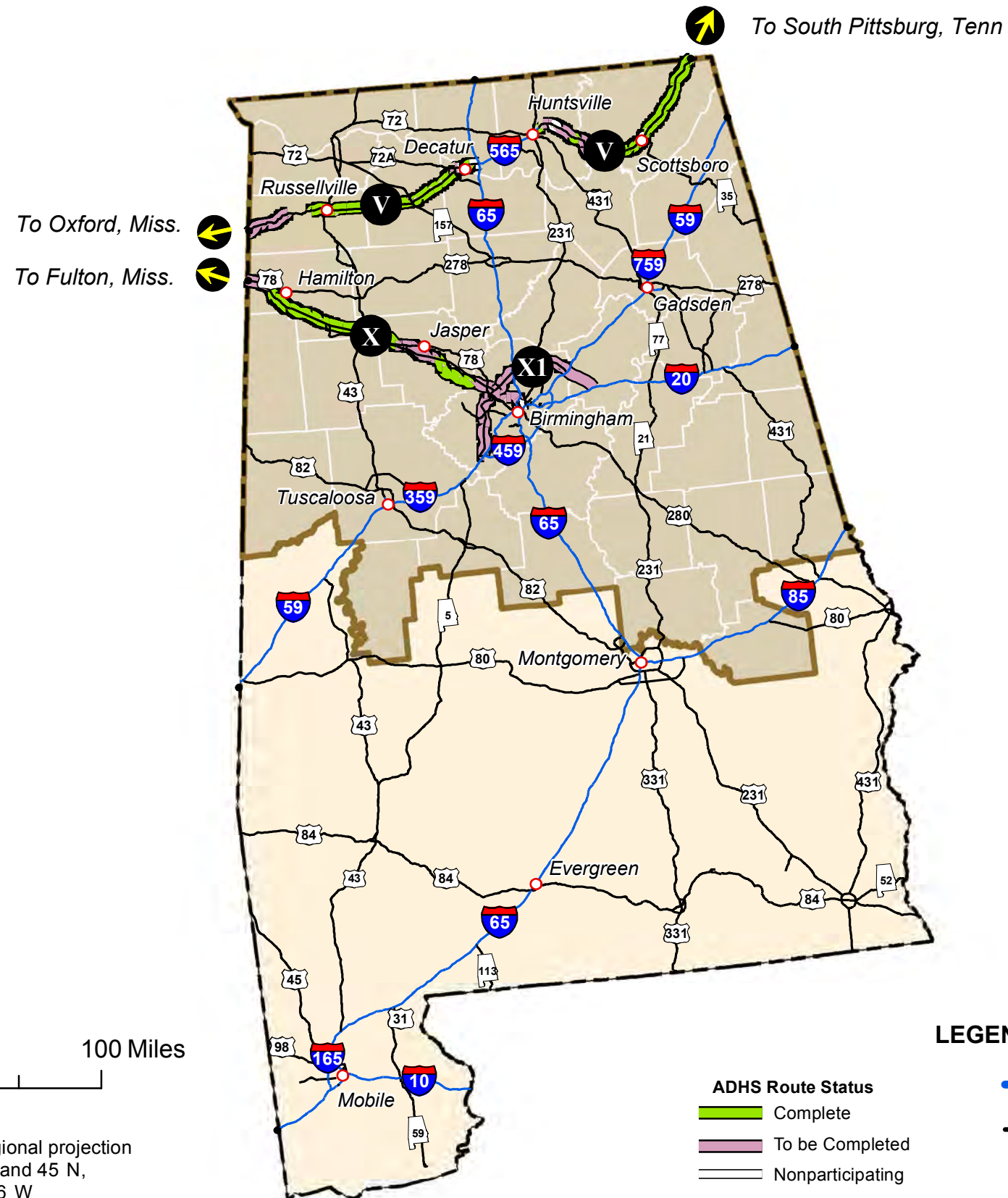
It is the State's full intention to construct all of the Appalachian Development Highway System
corridors herein and to the standards indicated in this Estimate.


John R. Cooper
Transportation Director
Alabama Department of
Transportation


Mark D. Bartlett, P.E.
Division Administrator
Federal Highway Administration

ALABAMA PORTION OF APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM

STATE OF ALABAMA



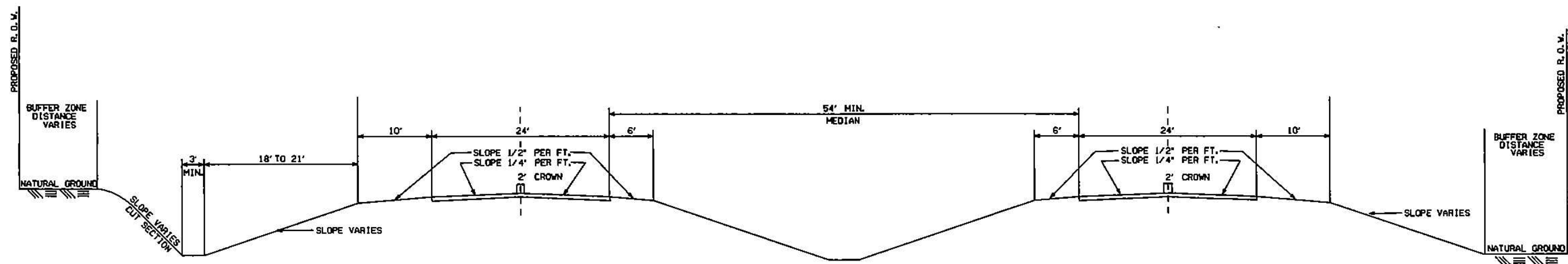
0 25 50 100 Miles

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

TABLE A

Appalachian Corridor Segment Descriptions

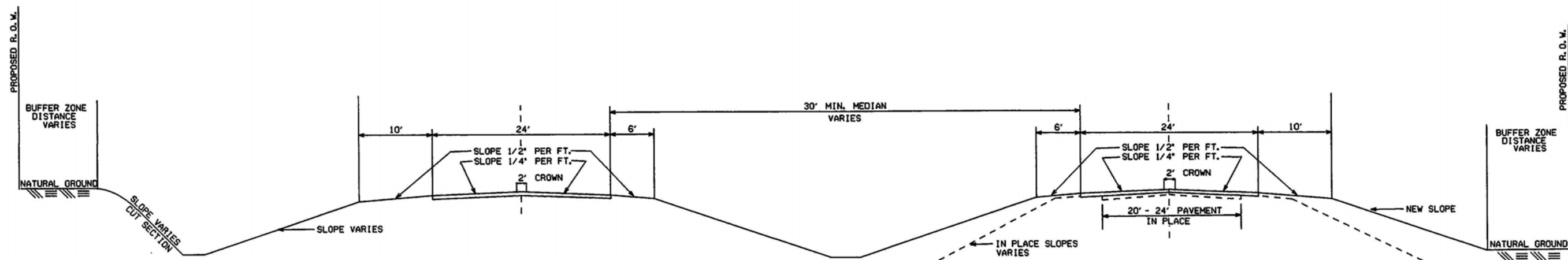
Corridor Letter	Principal Existing Route Numbers	Segment Descriptions	Eligible (miles)	Ineligible (miles)
V	SR-24, SR-67, SR-20/ALT. US-72	From Mississippi State line near Red Bay to 2.7 Miles west of SR-3/US-31	69.6	
V	SR-20/ALT. US-72	From 2.7 miles west of SR-3/US-31 to south end of Tennessee River Bridge		2.7
V	SR-3/US-31	From south end of Tennessee River Bridge to SR-20/Alt. US-72 east and SR-3/US-31 intersection	2	
V	SR-20/ALT. US-72	From SR-20/Alt. US-72 east and SR-3/US-31 intersection to I-65/I-565 interchange		3
V	SR-2/US-72	From end of I-565, SR-2, and US-72 at Andrew Jackson Way to Ryland	4.8	
V	SR-2/US-72	From Ryland to south of Dug Hill Road		2.1
V	SR-2/US-72	From south of Dug Hill Road to Old Guntersville Highway	30.8	
V	SR-2/US-72	From Old Guntersville Highway to east of SR-35		2.2
V	SR-2/US-72	From east of SR-35 to Alabama/Tennessee State line	28.2	
X	SR-4/US-78	From Mississippi line to SR-3/US-31 in Birmingham	95.3	
X	SR-3/US-31	From SR-3/US-31 in Birmingham to I-59 in Birmingham		2.7
X1	New Location	From I-459 southwest of Birmingham, extending north of Birmingham, to I-20 east of Leeds	65.0	
		Total	295.7	12.7



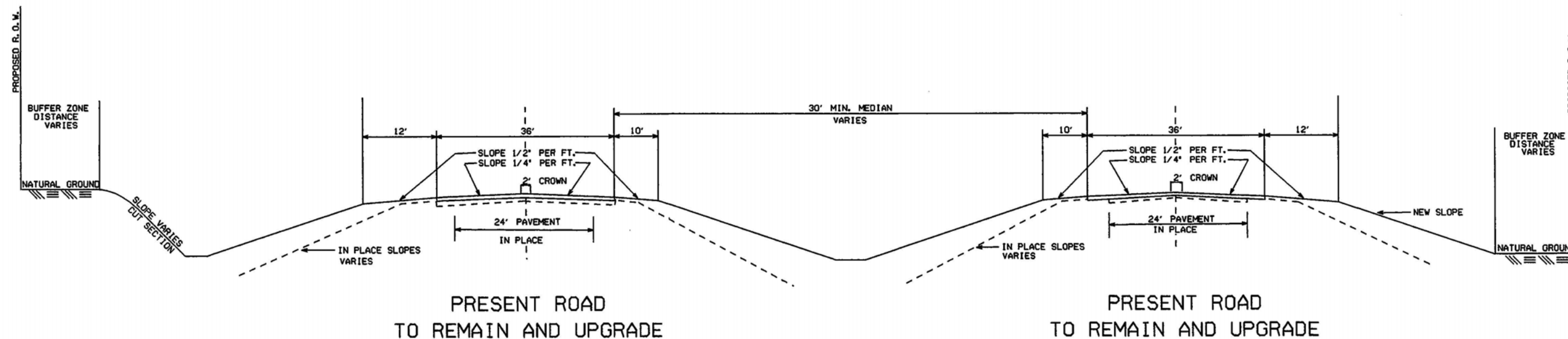
NEW CONSTRUCTION
REQ' D 24' BITUMINOUS CONCRETE PAVEMENT

NEW CONSTRUCTION
REQ' D 24' BITUMINOUS CONCRETE PAVEMENT

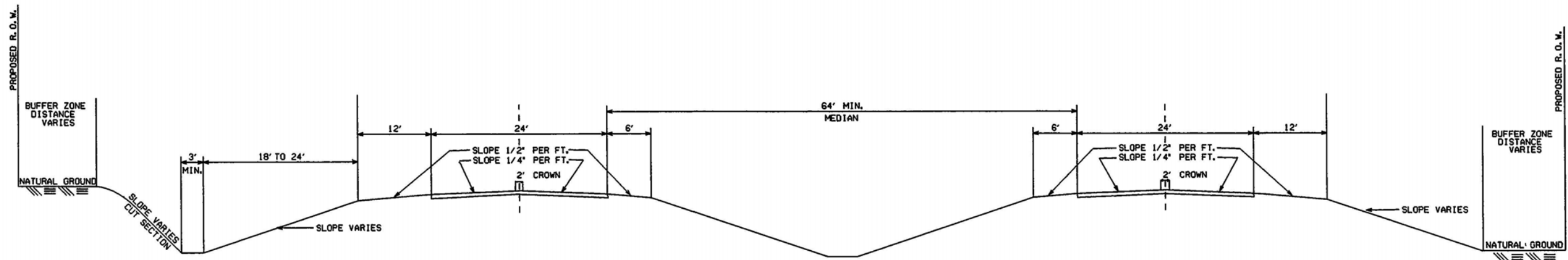
TYPICAL SECTION 1
4- LANE NEW LOCATION
FULL AND PARTIAL CONTROL



TYPICAL SECTION 2
ADD 2- UPGRADE EXISTING
PARTIAL CONTROL



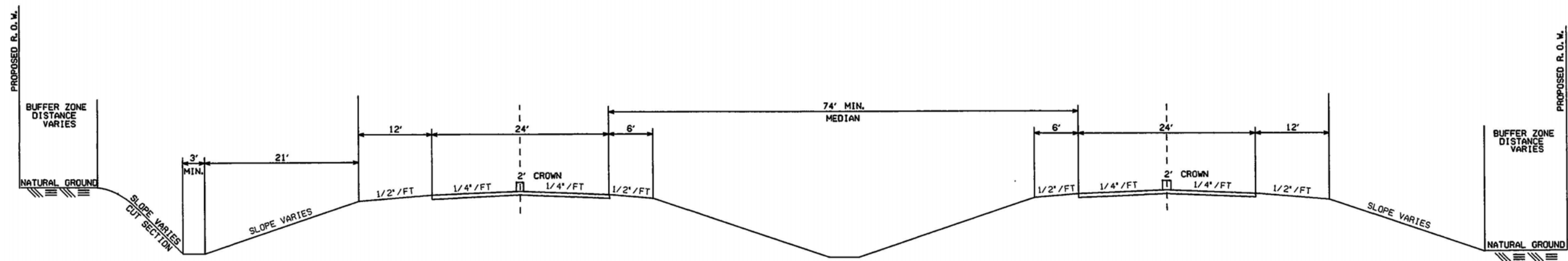
TYPICAL SECTION 3
 ADDING 2-LANES TO EXISTING 4-LANE
 FOR ULTIMATE 6-LANE ROADWAY
 PARTIAL CONTROL



NEW CONSTRUCTION
REQ'D 24' BITUMINOUS CONCRETE PAVEMENT

NEW CONSTRUCTION
REQ'D 24' BITUMINOUS CONCRETE PAVEMENT

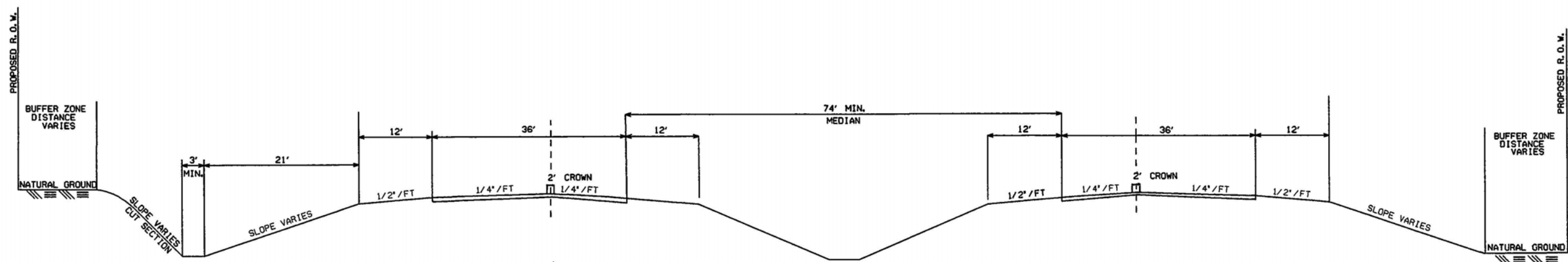
TYPICAL SECTION 4
4- LANE NEW
FULL AND PARTIAL CONTROL



NEW CONSTRUCTION
REQ' D 24' BITUMINOUS CONCRETE PAVEMENT

NEW CONSTRUCTION
REQ' D 24' BITUMINOUS CONCRETE PAVEMENT

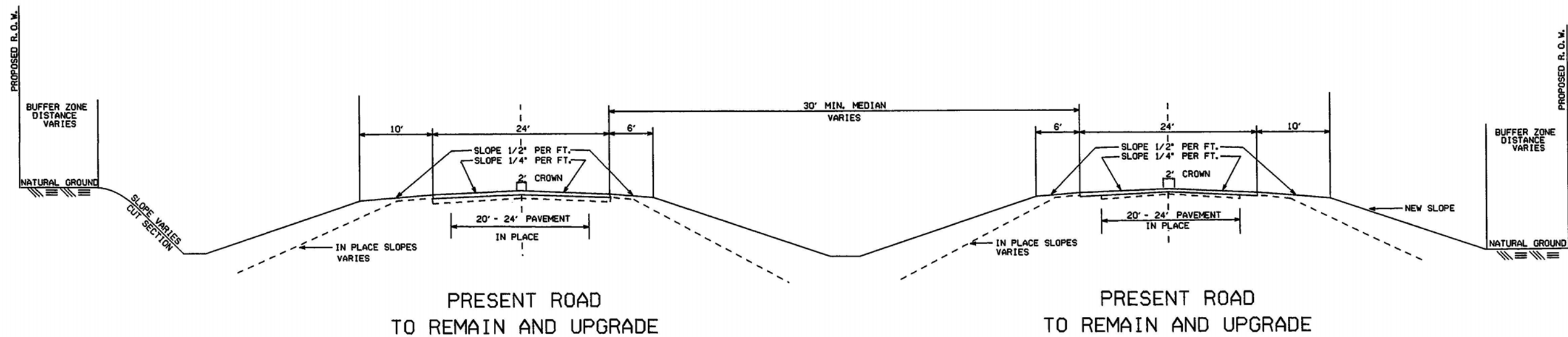
TYPICAL SECTION 5
4- LANE NEW
FULL CONTROL



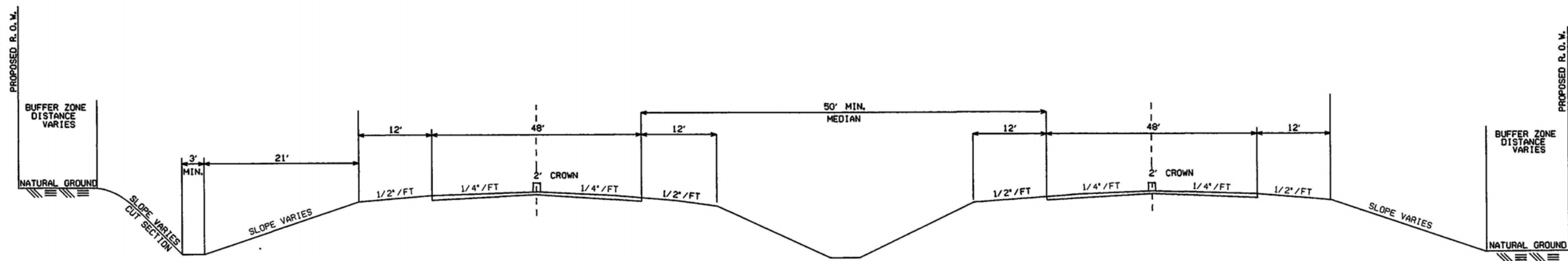
NEW CONSTRUCTION
REQ' D 36' BITUMINOUS CONCRETE PAVEMENT

NEW CONSTRUCTION
REQ' D 36' BITUMINOUS CONCRETE PAVEMENT

TYPICAL SECTION 6
6- LANE
FULL CONTROL



TYPICAL SECTION 7
 UPGRADING EXISTING 4- LANE
 FULL AND PARTIAL CONTROL



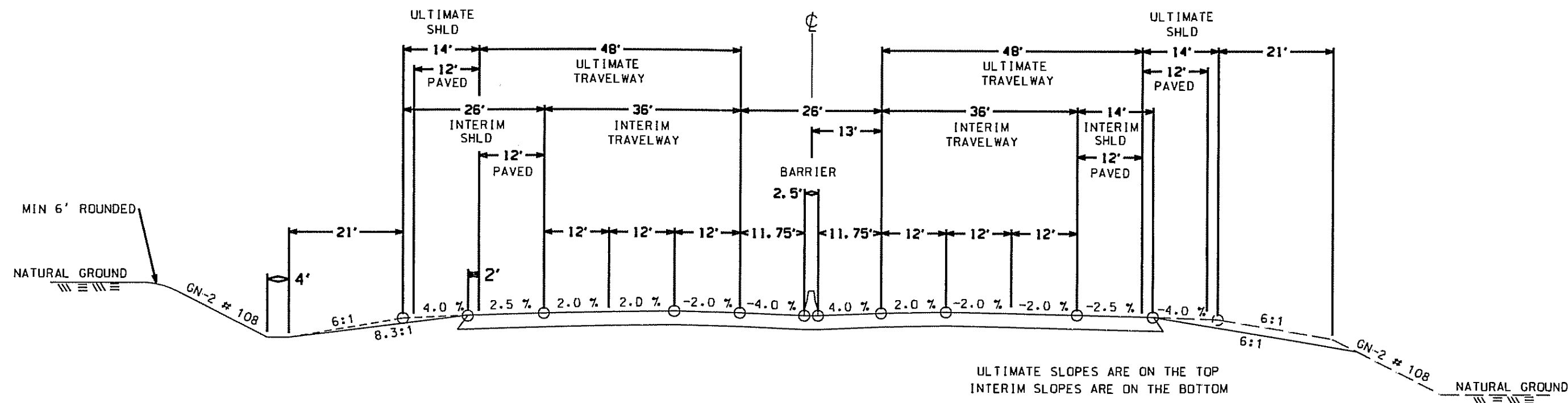
NEW CONSTRUCTION
REQ' D 48' BITUMINOUS CONCRETE PAVEMENT

NEW CONSTRUCTION
REQ' D 48' BITUMINOUS CONCRETE PAVEMENT

TYPICAL SECTION 8

8- LANE
FULL CONTROL

BIRMINGHAM NORTHERN BELTLINE TYPICAL SECTION



ULTIMATE SLOPES ARE ON THE TOP
INTERIM SLOPES ARE ON THE BOTTOM

NOTES:

THE INTERIM OUTSIDE SHOULDER WILL BE 14 FT. GRADED, 12' PAVED IN FILL SECTION AND 26' GRADED AND 12' PAVED IN CUT SECTIONS (12' @ 2.5% WITH REMAINING 14' @ 4.0%)
 THE FULL BUILDUP FOR THE TRAVELWAY WILL BE USED ON SHOULDERS FOR THE INTERIM DESIGN
 THE 6:1 SLOPE FOR THE INTERIM DESIGN WILL BE CARRIED UNTIL IT INTERSECTS THE FRONT SLOPE OF THE ULTIMATE DESIGN. THE ULTIMATE DESIGN WILL UTILIZE 6:1 FOR 21 FT. AND THEN GN-2 # 108
 IN CUT SECTIONS. THE ULTIMATE 8 LANES WILL BE GRADED IN THE INTERIM DESIGN. AN 8.3:1 SLOPE WILL BE PROVIDED FROM THE SHOULDER TO THE FRONT OF THE DITCH IN THE INTERIM DESIGN.
 THE CROWN LINE FOR THIS TYPICAL SECTION IS LOCATED 12 FT. FROM THE INSIDE EDGE OF PAVEMENT

SCALE: 1" = 20'

2012 Appalachian Development Highway System Cost Estimate

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

State: AL

ADHS Corridor: V

Section ID	A 01.0.0	A 01.1.0	A 02.0.0	A 03.0.0	A 04.0.0	A 04.1.0
LRS Milepoint: Beginning/Ending	0.000/2.900	2.900/5.100	5.100/13.600	13.600/21.400	21.400/24.400	24.400/26.370
Status	Final Construction	Final Construction	Final Construction	Stage Construction	Completed	Completed
1. Finance Code	20	20	20	21	20	20
2. Section Length(Miles)	2.9	2.2	8.5	7.8	3	1.6
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	01/059/04	01/059/04	01/059/04	01/059/04	01/059/04	01/059/04
---- b. HPMS Route/Subroute	00XP059A01/00	00XS059024/00	00XS059024/00	00XS059024/00	00XS059024/00	00XS059024/00
---- c. HPMS Signed Route/Strip Map #	0000000024/V1	0000000024/V1	0000000024/V1	0000000024/V2	0000000024/V2	0000000024/V3
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	65	65	65	65	65	65
7. Traffic:						
---- a. ADT-Base Year (2010)	2,340	6,160	3,440	4,180	5,160	5,520
---- b. ADT-Year 2020	3,300	8,690	4,850	5,890	7,280	7,780
---- c. Design Year	2,028	2,028	2,031	2,031	2,023	2,023
---- d. ADT-Design Year	4,990	12,830	6,620	8,040	10,380	11,080
---- e. DHV-Design Year	549	1,411	728	804	1,040	1,110
---- f. % Truck Design Year(DHV)	14	9	12	11	10	10
---- g. % Truck Design Year(ADT)	18	12	16	15	14	13
---- h. Directional Distribution Factor	60	60	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	0	0	0	2	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	1/Partial	2/Partial	2/Partial	2/Partial	2/Partial	2/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	54	54	54	54	54	54
13. Status of Development(Figure 4)	3a2	3a2	3a2	3a3c	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	505	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	12,533	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	13,038	0	0
28. Construction Engineering(13.00000000% of line 27)	0	0	0	1,695	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	14,733	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	15,470	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: AL

ADHS Corridor: V

Section ID	A 05.0.0	A 05.1.0	A 05.2.0	A 06.0.0	A 06.1.0	A 07.0.0
LRS Milepoint: Beginning/Ending	26.370/27.770	27.770/32.270	32.270/38.320	0.000/5.700	5.700/9.100	9.100/13.990
Status	Completed	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	1.4	4.5	5.5	5.7	3.4	4.9
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	01/059/04	01/059/04	01/059/04	01/079/05	01/079/05	01/079/05
---- b. HPMS Route/Subroute	00XS059024/00	00XS059024/00	00XS059024/00	00XS079024/00	00XS079024/00	00XS079024/00
---- c. HPMS Signed Route/Strip Map #	0000000024/V3	0000000024/V3	0000000024/V3	0000000024/V4	0000000024/V4	0000000024/V5
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	65	65	65	65	65	65
7. Traffic:						
---- a. ADT-Base Year (2010)	7,560	6,000	4,580	4,860	6,020	6,810
---- b. ADT-Year 2020	10,660	8,460	6,460	6,850	8,490	9,600
---- c. Design Year	2,014	2,017	2,018	2,015	2,014	2,000
---- d. ADT-Design Year	12,540	8,050	6,910	6,720	8,370	6,030
---- e. DHV-Design Year	1,380	890	760	740	920	668
---- f. % Truck Design Year(DHV)	13	18	21	21	17	10
---- g. % Truck Design Year(ADT)	17	24	28	28	22	13
---- 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	1/Partial	1/Partial	1/Partial	1/Partial	1/Partial	1/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	54	54	54	54	54	54
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(13.00000000% 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: AL

ADHS Corridor: V

Section ID	A 07.1.0	A 07.2.0	A 08.0.0	A 09.0.0	A 10.0.0	A 10.1.0
LRS Milepoint: Beginning/Ending	13.990/14.800	14.800/16.100	16.100/22.100	22.100/25.460	0.000/3.800	3.800/5.150
Status	Stage Construction	Completed	Completed	Completed	Completed	Completed
1. Finance Code	21	20	20	20	20	20
2. Section Length(Miles)	0.8	1.3	6	4	3.2	1
3. Class/Urban Code	R/0	R/0	R/0	R/0	U/295	U/295
4. Location:						
---- a. FIPS State/County/Congressional	01/079/05	01/079/05	01/079/05	01/079/05	01/103/05	01/103/05
---- b. HPMS Route/Subroute	00XS079024/00	00XS079024/00	00XS079024/00	00XS079024/00	00XS103024/00	00XS103024/00
---- c. HPMS Signed Route/Strip Map #	0000000024/V5	0000000024/V5	0000000024/V5	0000000024/V6	0000000024/V6	0000000024/V7
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	65	65	65	65	65	65
7. Traffic:						
---- a. ADT-Base Year (2010)	10,500	11,820	13,220	17,720	16,970	18,190
---- b. ADT-Year 2020	14,810	16,670	18,640	24,990	23,930	25,650
---- c. Design Year	2,021	2,000	2,000	2,000	2,000	2,000
---- d. ADT-Design Year	15,300	9,870	11,030	14,570	14,690	16,200
---- e. DHV-Design Year	1,680	1,090	1,100	1,460	1,470	1,620
---- f. % Truck Design Year(DHV)	8	6	5	4	4	4
---- g. % Truck Design Year(ADT)	10	8	7	6	6	6
---- 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	1/Full	1/Partial	1/Partial	1/Partial	1/Partial	1/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	54	54	54	54	54	54
13. Status of Development(Figure 4)	3a3a	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	1,228	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	10,867	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)	10,867	0	0	0	0	0
28. Construction Engineering(13.00000000% of line 27)	1,413	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	12,280	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	14,183	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: AL

ADHS Corridor: V

Section ID	A 11.0.0	A 11.2.0	A 11.3.0	A 13.1.0	A 13.2.0	A 13.3.0
LRS Milepoint: Beginning/Ending	33.820/35.030	4.520/5.220	5.220/7.940	20.970/21.760	21.760/22.100	0.000/1.510
Status	Final Construction	Location Study	NP	Completed	Completed	Completed
1. Finance Code	20	22	20	20	20	20
2. Section Length(Miles)	1.2	0.7	2.7	0.3	0.3	1.4
3. Class/Urban Code	U/295	U/295	U/295	U/295	U/295	U/295
4. Location:						
---- a. FIPS State/County/Congressional	01/103/05	01/103/05	01/103/05	01/103/05	01/103/05	01/083/05
---- b. HPMS Route/Subroute	00XS103067/00	00XS103020/00	00XS103020/00	00XS103003/00	00XS103003/00	00XS083003/00
---- c. HPMS Signed Route/Strip Map #	0000000067/V7	0000000020/V7	0000000020/V7	0000000003/V7	0000000003/V7	0000000003/V7
5. Estimate Section/NHS Designation	1/NHS	1/NHS	2/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	65	65	65	65	65	65
7. Traffic:						
---- a. ADT-Base Year (2010)	22,550	26,180	27,090	47,640	47,640	46,880
---- b. ADT-Year 2020	31,800	36,910	38,200	67,170	67,170	66,100
---- c. Design Year	2,024	2,024	2,024	2,016	2,016	2,016
---- d. ADT-Design Year	46,310	53,320	54,400	61,480	61,480	65,460
---- e. DHV-Design Year	5,090	5,330	5,440	6,760	6,760	7,200
---- f. % Truck Design Year(DHV)	8	11	11	5	5	5
---- g. % Truck Design Year(ADT)	10	15	15	7	7	7
---- h. Directional Distribution Factor	65	60	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	0	2	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	6	6	4	4	4	4
10. Typical X-Section of Reference/Access Control	3/Partial	3/Partial	3/Partial	Bridge/Full	Bridge/Full	2/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	30	30	30	54	54	54
13. Status of Development(Figure 4)	3a2	5a1	np	1a	1a	1a

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

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	196	0	0	0	0
15. Right-of-Way:						
---- a. Acquisition	0	784	0	0	0	0
---- b. Relocation	0	0	0	0	0	0
16. Utility Adjustments	0	196	0	0	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	1,352	0	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	784	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	141	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	2,277	0	0	0	0
28. Construction Engineering(13.00000000% of line 27)	0	296	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	2,573	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	3,936	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: AL

ADHS Corridor: V

Section ID	A 14.0.0	B 07.2.0	B 07.2.1	B 07.2.2	B 07.3.0	B 08.0.0
LRS Milepoint: Beginning/Ending	1.510/4.490	14.160/14.500	14.500/15.650	15.650/18.360	18.360/18.960	18.960/21.060
Status	NP	Completed	Design/RoW	Stage Construction	Stage Construction	NP
1. Finance Code	20	20	22	21	21	20
2. Section Length(Miles)	3	0.3	1.2	2.7	0.6	2.1
3. Class/Urban Code	U/295	U/184	U/184	U/184	U/184	U/184
4. Location:						
---- a. FIPS State/County/Congressional	01/083/05	01/089/05	01/089/05	01/089/05	01/089/05	01/089/05
---- b. HPMS Route/Subroute	00XS083020/00	00XS089002/00	00XS089002/00	00XS089002/00	00XS089002/00	00XS089002/00
---- c. HPMS Signed Route/Strip Map #	0000000020/V7	0000000002/V10	0000000002/V10	0000000002/V10	0000000002/V10	0000000002/V10
5. Estimate Section/NHS Designation	2/NHS	1/NHS	1/NHS	1/NHS	1/NHS	2/NHS
6. Design Speed(mph)	65	70	70	65	65	65
7. Traffic:						
---- a. ADT-Base Year (2010)	35,010	43,600	46,060	28,180	28,180	21,260
---- b. ADT-Year 2020	49,360	61,480	64,940	39,730	39,730	29,980
---- c. Design Year	2,006	2,022	2,036	2,036	2,022	2,020
---- d. ADT-Design Year	32,790	72,950	97,080	61,490	54,700	37,830
---- e. DHV-Design Year	3,610	8,020	9,708	6,764	6,020	4,160
---- f. % Truck Design Year(DHV)	7	5	4	7	7	8
---- g. % Truck Design Year(ADT)	9	7	6	9	9	11
---- 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	1/Partial	7/Full	7/Full	7/Partial	7/Partial	1/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	150	150	300
12. Median Width(ft), prevailing	54	54	54	30	30	54
13. Status of Development(Figure 4)	np	1a	4a3	3a3a	3a3a	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	8,900	1,956	372	0
---- b. Relocation	0	0	0	735	118	0
16. Utility Adjustments	0	0	3,948	572	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	0	19,150	6,367	565	0
18. Subbase, Base, Surfacing, Shoulders	0	0	17,205	3,740	671	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	11,558	0	0	0
23. Traffic Control	0	0	639	16	4	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	48,552	10,123	1,240	0
28. Construction Engineering(13.00000000% of line 27)	0	0	6,312	1,316	161	0
29. Total Cost of Construction(lines 27 & 28)	0	0	54,864	11,439	1,401	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	71,097	15,437	1,986	0

2012 Appalachian Development Highway System Cost Estimate

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

State: AL

ADHS Corridor: V

Section ID	B 09.0.0	B 10.0.0	B 11.0.0	B 11.1.0	B 12.0.0	B 12.1.0
LRS Milepoint: Beginning/Ending	21.060/27.460	27.460/28.150	0.000/2.300	2.300/6.700	6.700/13.800	13.800/14.600
Status	Stage Construction	Completed	Stage Construction	Stage Construction	Completed	Completed
1. Finance Code	21	20	21	21	20	20
2. Section Length(Miles)	6.4	1.7	2.3	4.4	7.1	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	01/089/05	01/089/05	01/071/05	01/071/05	01/071/05	01/071/05
---- b. HPMS Route/Subroute	00XS089002/00	00XS089002/00	00XS071002/00	00XS071002/00	00XS071002/00	00XS071002/00
---- c. HPMS Signed Route/Strip Map #	0000000002/V10	0000000002/V11	0000000002/V11	0000000002/V11	0000000002/V11	0000000002/V12
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	65	65	65	65	65	65
7. Traffic:						
---- a. ADT-Base Year (2010)	20,120	18,790	15,610	15,690	13,200	12,900
---- b. ADT-Year 2020	28,370	26,490	22,010	22,120	18,610	18,190
---- c. Design Year	2,025	2,000	2,000	2,000	2,000	2,000
---- d. ADT-Design Year	38,860	15,730	14,090	13,880	11,830	11,230
---- e. DHV-Design Year	4,270	1,730	1,550	1,670	1,420	1,350
---- f. % Truck Design Year(DHV)	10	11	11	11	12	12
---- g. % Truck Design Year(ADT)	13	14	14	14	16	16
---- 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	2/Partial	1/Partial	2/Partial	2/Partial	1/Partial	1/Partial
11. Right-of-Way Width(ft), prevailing	300	300	209	209	300	300
12. Median Width(ft), prevailing	54	54	54	54	54	54
13. Status of Development(Figure 4)	3a3a	1a	3a3a	3a3a	1a	1a

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

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	343	0	235	450	0	0
15. Right-of-Way:						
---- a. Acquisition	725	0	0	0	0	0
---- b. Relocation	186	0	0	0	0	0
16. Utility Adjustments	0	0	0	0	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	6,018	0	2,163	4,137	0	0
18. Subbase, Base, Surfacing, Shoulders	7,146	0	2,569	4,914	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	39	0	16	29	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)	13,203	0	4,748	9,080	0	0
28. Construction Engineering(13.00000000% of line 27)	1,716	0	617	1,180	0	0
29. Total Cost of Construction(lines 27 & 28)	14,919	0	5,365	10,260	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	16,982	0	5,880	11,246	0	0

2012 Appalachian Development Highway System Cost Estimate

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

State: AL

ADHS Corridor: V

Section ID	B 13.0.0	B 13.0.1	B 13.1.0	B 14.0.0	B 14.1.0	B 15.0.0
LRS Milepoint: Beginning/Ending	14.600/17.600	17.600/18.300	18.300/19.800	19.800/21.900	21.900/22.400	22.400/22.700
Status	Completed	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	3	0.7	1.5	2.1	0.5	0.3
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	01/071/05	01/071/05	01/071/05	01/071/05	01/071/05	01/071/05
---- b. HPMS Route/Subroute	00XS071002/00	00XS071002/00	00XS071002/00	00XS071002/00	00XS071002/00	00XS071002/00
---- c. HPMS Signed Route/Strip Map #	0000000002/V12	0000000002/V12	0000000002/V12	0000000002/V12	0000000002/V13	0000000002/V12
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	65	65	65	65	65	65
7. Traffic:						
---- a. ADT-Base Year (2010)	12,870	12,880	12,800	13,600	14,380	30,870
---- b. ADT-Year 2020	18,150	18,160	18,050	19,180	20,280	43,530
---- c. Design Year	2,000	2,000	2,000	2,000	2,000	2,000
---- d. ADT-Design Year	11,230	11,180	11,110	12,170	13,220	28,850
---- e. DHV-Design Year	1,350	1,340	1,330	1,460	1,590	3,460
---- f. % Truck Design Year(DHV)	12	12	12	11	10	6
---- g. % Truck Design Year(ADT)	16	16	16	15	13	8
---- 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	1/Partial	1/Partial	1/Partial	1/Partial	1/Partial	1/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	54	54	54	54	54	54
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(13.00000000% 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: AL

ADHS Corridor: V

Section ID	B 15.1.0	B 15.2.0	B 15.3.0	B 15.4.0	B 15.5.0	B 15.6.0
LRS Milepoint: Beginning/Ending	22.700/23.500	23.500/24.700	24.700/24.900	24.900/25.300	25.300/25.700	25.700/27.700
Status	NP	NP	NP	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	0.8	1.2	0.2	0.4	0.4	2
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	01/071/05	01/071/05	01/071/05	01/071/05	01/071/05	01/071/05
---- b. HPMS Route/Subroute	00XS071002/00	00XS071002/00	00XS071002/00	00XS071002/00	00XS071002/00	00XS071002/00
---- c. HPMS Signed Route/Strip Map #	0000000002/V13	0000000002/V13	0000000002/V13	0000000002/V13	0000000002/V13	0000000002/V13
5. Estimate Section/NHS Designation	2/NHS	2/NHS	2/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	65	65	65	65	65	65
7. Traffic:						
---- a. ADT-Base Year (2010)	30,870	30,870	23,570	23,570	20,080	16,600
---- b. ADT-Year 2020	43,530	43,530	33,230	33,230	28,310	23,410
---- c. Design Year	2,020	2,020	2,020	2,000	2,000	2,000
---- d. ADT-Design Year	57,140	46,510	30,570	15,440	14,220	13,000
---- e. DHV-Design Year	6,860	5,580	3,670	1,850	1,710	1,560
---- f. % Truck Design Year(DHV)	6	6	10	10	10	12
---- g. % Truck Design Year(ADT)	8	8	13	13	14	16
---- h. Directional Distribution Factor	60	60	75	75	75	75
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	2/Partial	2/Partial	2/Partial	2/Partial	2/Partial	2/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	30	30	30	30	30	30
13. Status of Development(Figure 4)	np	np	np	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(13.00000000% 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: AL

ADHS Corridor: V

Section ID	B 16.0.0	B 16.1.0	B 17.0.0	B 18.0.0	B 18.1.0	B 19.0.0
LRS Milepoint: Beginning/Ending	27.700/29.800	29.800/35.700	35.700/41.450	41.450/43.850	43.850/51.450	51.450/53.010
Status	Completed	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	2.1	5.9	5.7	2.7	8	1
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	01/071/05	01/071/05	01/071/05	01/071/05	01/071/05	01/071/05
---- b. HPMS Route/Subroute	00XS071002/00	00XS071002/00	00XS071002/00	00XS071002/00	00XS071002/00	00XS071002/00
---- c. HPMS Signed Route/Strip Map #	0000000002/V13	0000000002/V13	0000000002/V14	0000000002/V14	0000000002/V15	0000000002/V15
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	65	65	65	65	65	65
7. Traffic:						
---- a. ADT-Base Year (2010)	17,130	14,410	14,010	15,010	15,650	13,240
---- b. ADT-Year 2020	24,150	20,320	19,750	21,170	22,070	18,670
---- c. Design Year	2,003	2,004	2,008	2,009	2,013	2,014
---- d. ADT-Design Year	15,370	13,170	14,770	15,630	12,620	15,670
---- e. DHV-Design Year	1,840	1,580	1,770	1,880	1,390	1,720
---- f. % Truck Design Year(DHV)	10	10	10	10	11	9
---- g. % Truck Design Year(ADT)	13	13	13	13	15	12
---- h. Directional Distribution Factor	60	60	60	60	55	55
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	4/Partial	4/Partial	4/Partial	4/Partial	4/Partial	4/Partial
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	64	64	64	64	64	64
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(13.00000000% 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: AL

ADHS Corridor: V

Section ID	Corridor Total	Rural Subtotal	Urban Subtotal
LRS Milepoint			
1. Finance Code			
2. Section Length(Miles)	145.40	124.70	20.70
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	2,452	2,256	196
15. Right-of-Way:			
---- a. Acquisition	12,737	725	12,012
---- b. Relocation	1,039	186	853
16. Utility Adjustments	4,716		4,716
17. Erosion Control/Clear/Grade/Drain/Minor Structure	40,257	12,823	27,434
18. Subbase, Base, Surfacing, Shoulders	49,562	27,162	22,400
19. Railroad Grade Separations			
20. Highway Grade Separations without Ramps			
21. Interchanges	10,867	10,867	
22. Other Bridges, Tunnels, and Walls	11,558		11,558
23. Traffic Control	884	84	800
24. Environmental Mitigation			
25. Roadside Improvements:			
---- a. Landscape Planting			
---- b. Rest Area, Overlooks			
26. All Other Items			
27. Subtotal(lines 17 thru 26)	113,128	50,936	62,192
28. Construction Engineering(13.00000000% of line 27)	14,707	6,622	8,085
29. Total Cost of Construction(lines 27 & 28)	127,835	57,558	70,277
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	156,218	63,761	92,457

Alaska

Appalachian Corridor V

Sheet 2 of 12

Aug 1, 2012

0 1 2 Miles

APD - 355 (10) E

DPS - 0009 (006) E

DPS - 0009 (001) E APD - 355 (36) (37) E & C

DPS - 0009 (10) R APD - DPS - 0009 (16) C

DPS - 0009 (13) C APD - 355 (25) C

DPS - 0009 (002) E APD - 355 (22) R & C

DPS - 0009 (14) E APD - 355 (28) E

APD - 355 (39) E & C APD - 355 (35) C

APD - 355 (21) R

DPS - 0009 (003) E APD - DPS - 0009 (003) C

DPS - APD - 0009 (3) C APD - 355 (27) C

DPS - 0009 (15) E APD - 355 (40) E & C APD - 0009 (3) C

APD - 355 (10) E

DPS - 0009 (006) E

DPS - 0009 (001) E APD - 355 (36) (37) E & C

DPS - 0009 (10) R APD - DPS - 0009 (16) C

DPS - 0009 (13) C APD - 355 (25) C

DPS - 0009 (002) E APD - 355 (22) R & C

DPS - 0009 (14) E APD - 355 (28) E

APD - 355 (39) E & C APD - 355 (35) C

APD - 355 (21) R

DPS - 0009 (003) E APD - DPS - 0009 (003) C

DPS - APD - 0009 (3) C APD - 355 (27) C

DPS - 0009 (15) E APD - 355 (40) E & C APD - 0009 (3) C

APD - 355 (10) E

DPS - 0009 (006) E

DPS - 0009 (001) E APD - 355 (36) (37) E & C

DPS - 0009 (10) R APD - DPS - 0009 (16) C

DPS - 0009 (13) C APD - 355 (25) C

DPS - 0009 (002) E APD - 355 (22) R & C

DPS - 0009 (14) E APD - 355 (28) E

APD - 355 (39) E & C APD - 355 (35) C

APD - 355 (21) R

DPS - 0009 (003) E APD - DPS - 0009 (003) C

DPS - APD - 0009 (3) C APD - 355 (27) C

DPS - 0009 (15) E APD - 355 (40) E & C APD - 0009 (3) C

APD - 355 (10) E

DPS - 0009 (006) E

DPS - 0009 (001) E APD - 355 (36) (37) E & C

DPS - 0009 (10) R APD - DPS - 0009 (16) C

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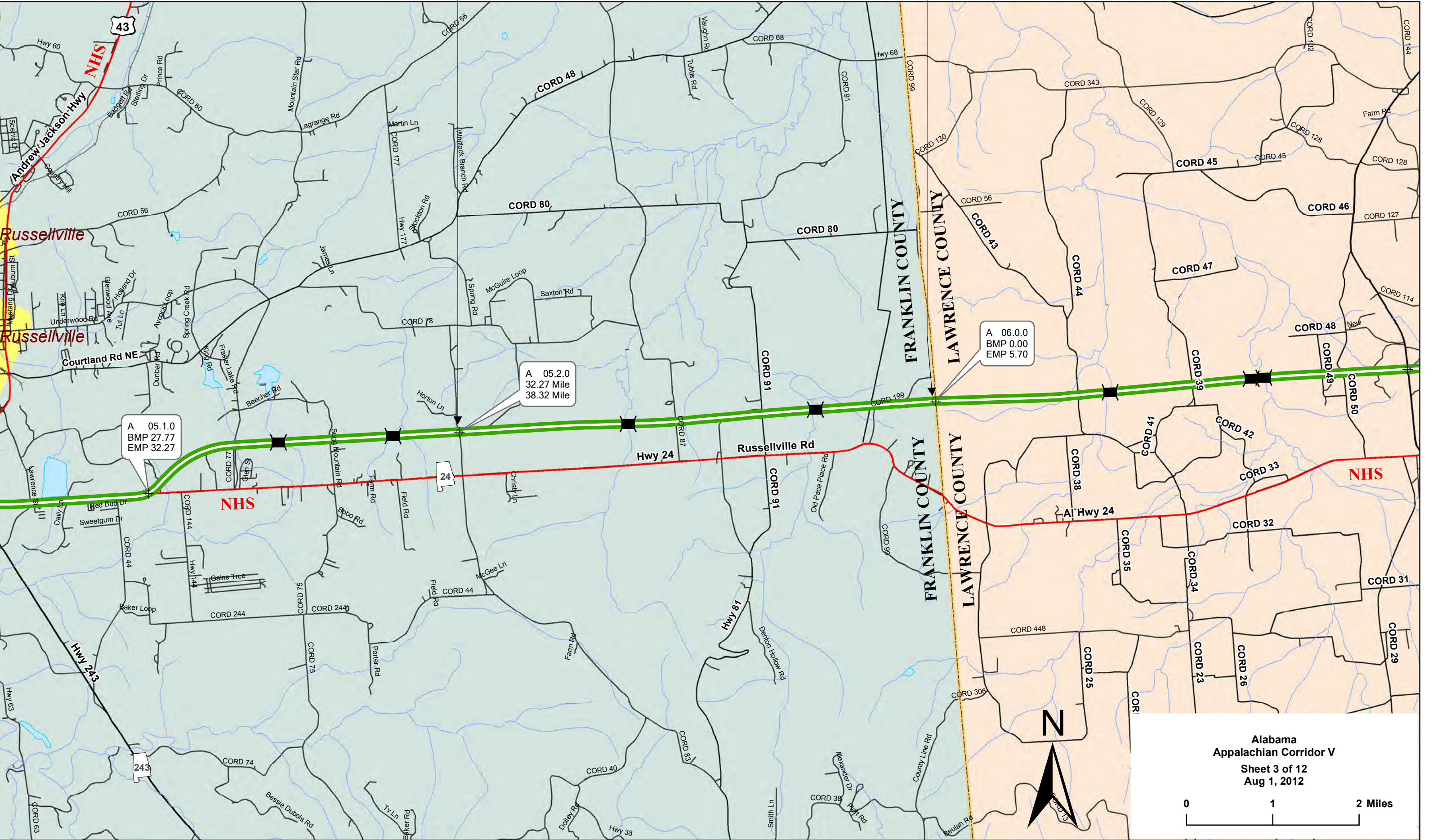
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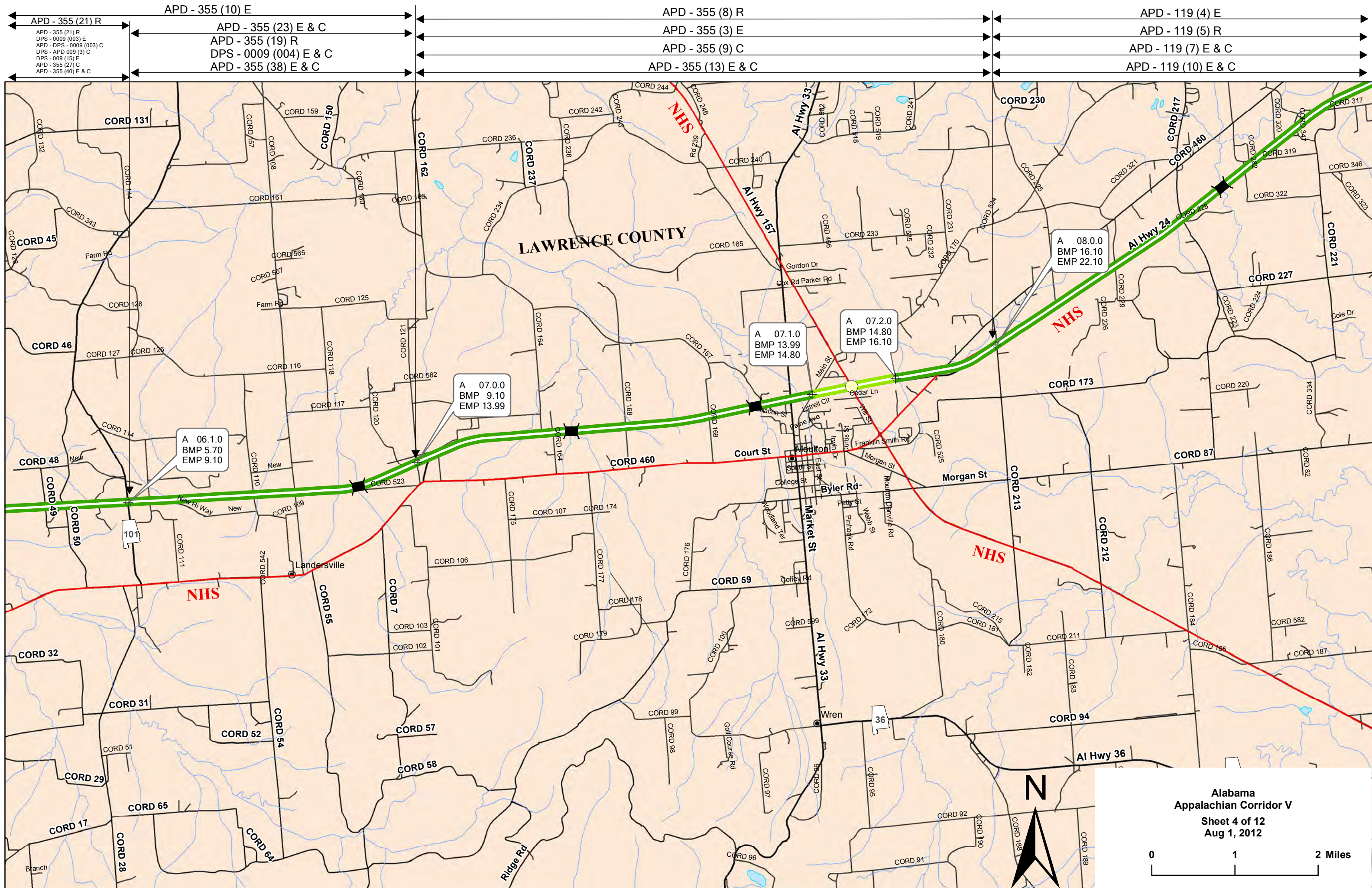
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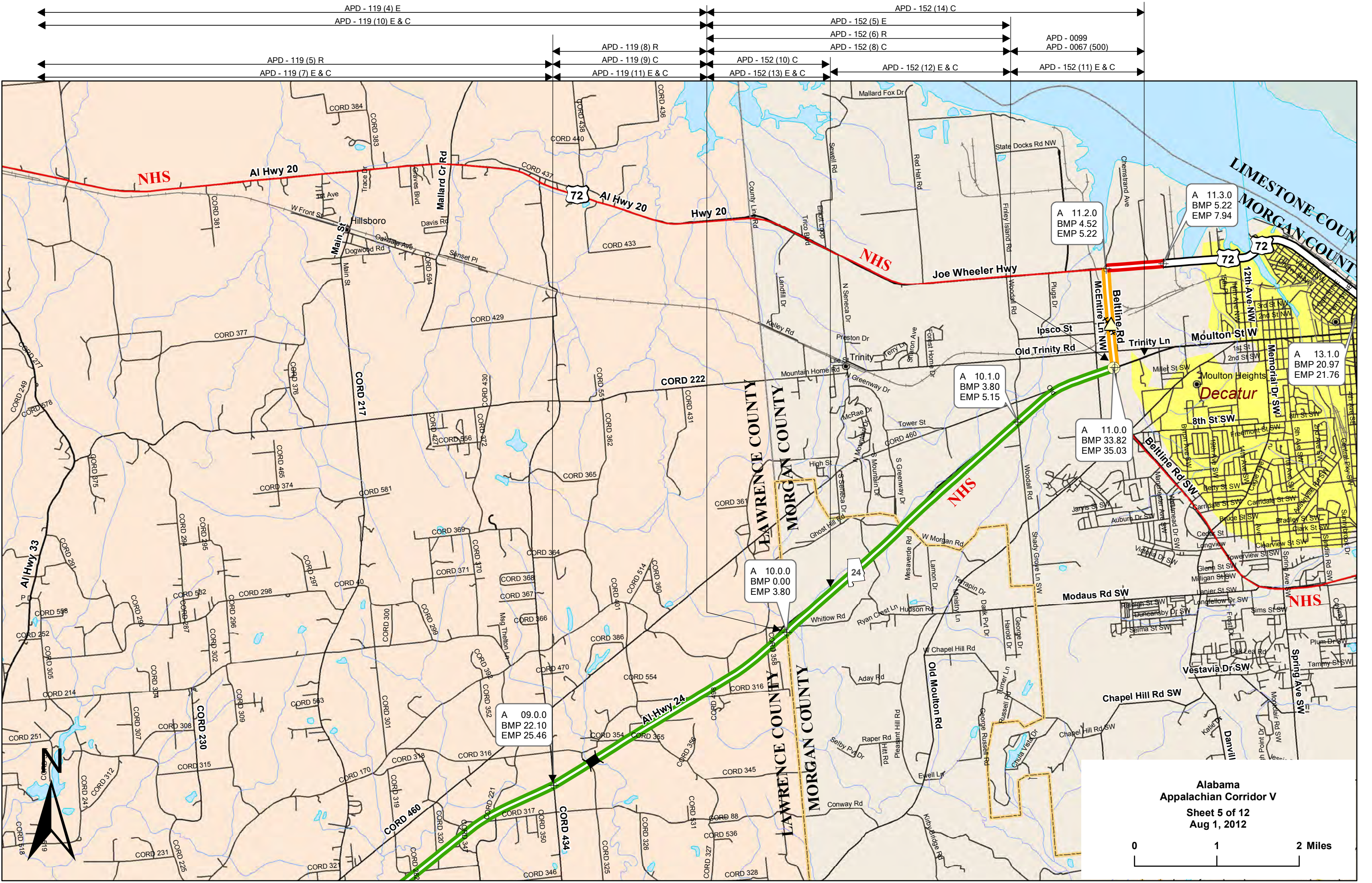
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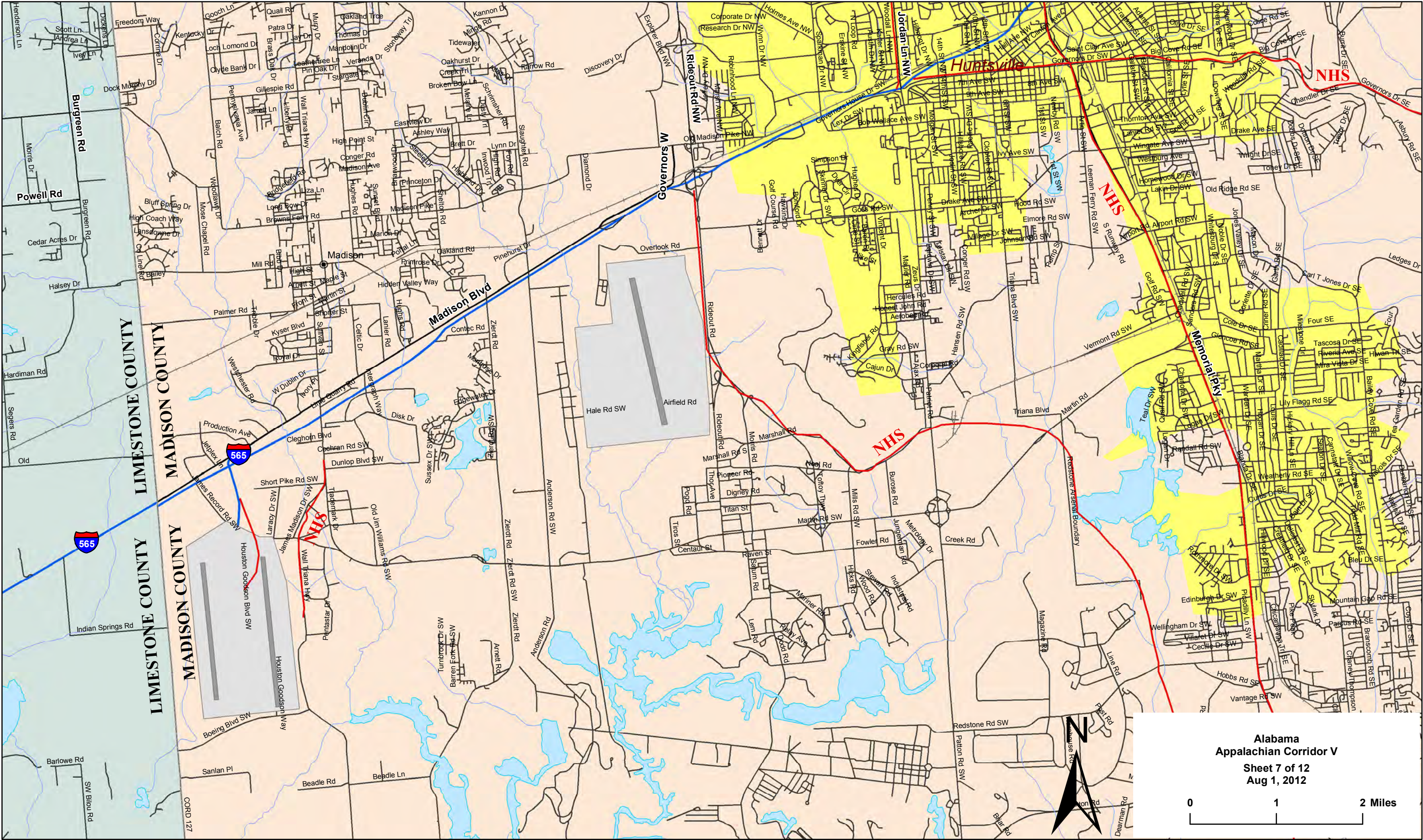
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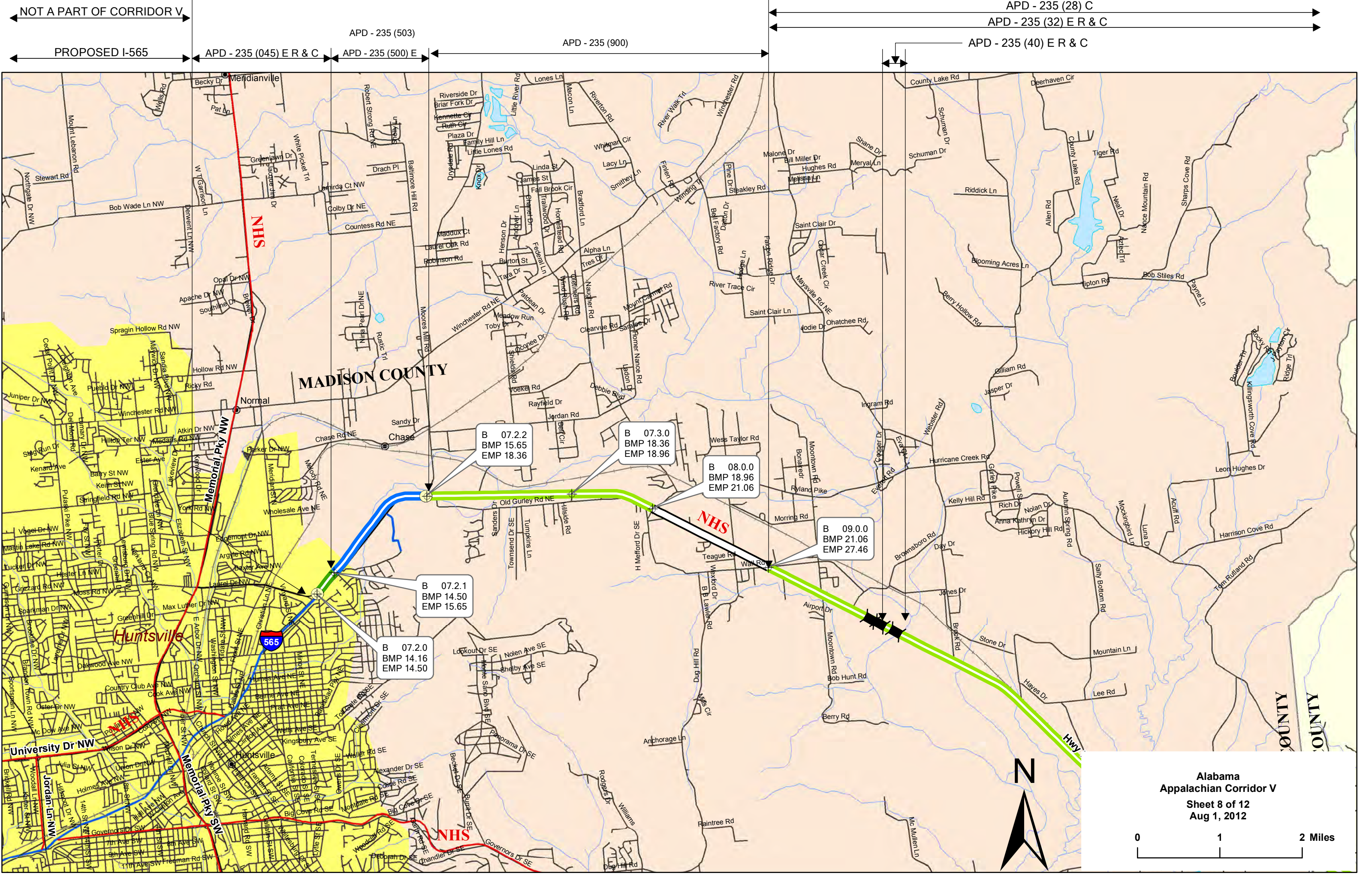


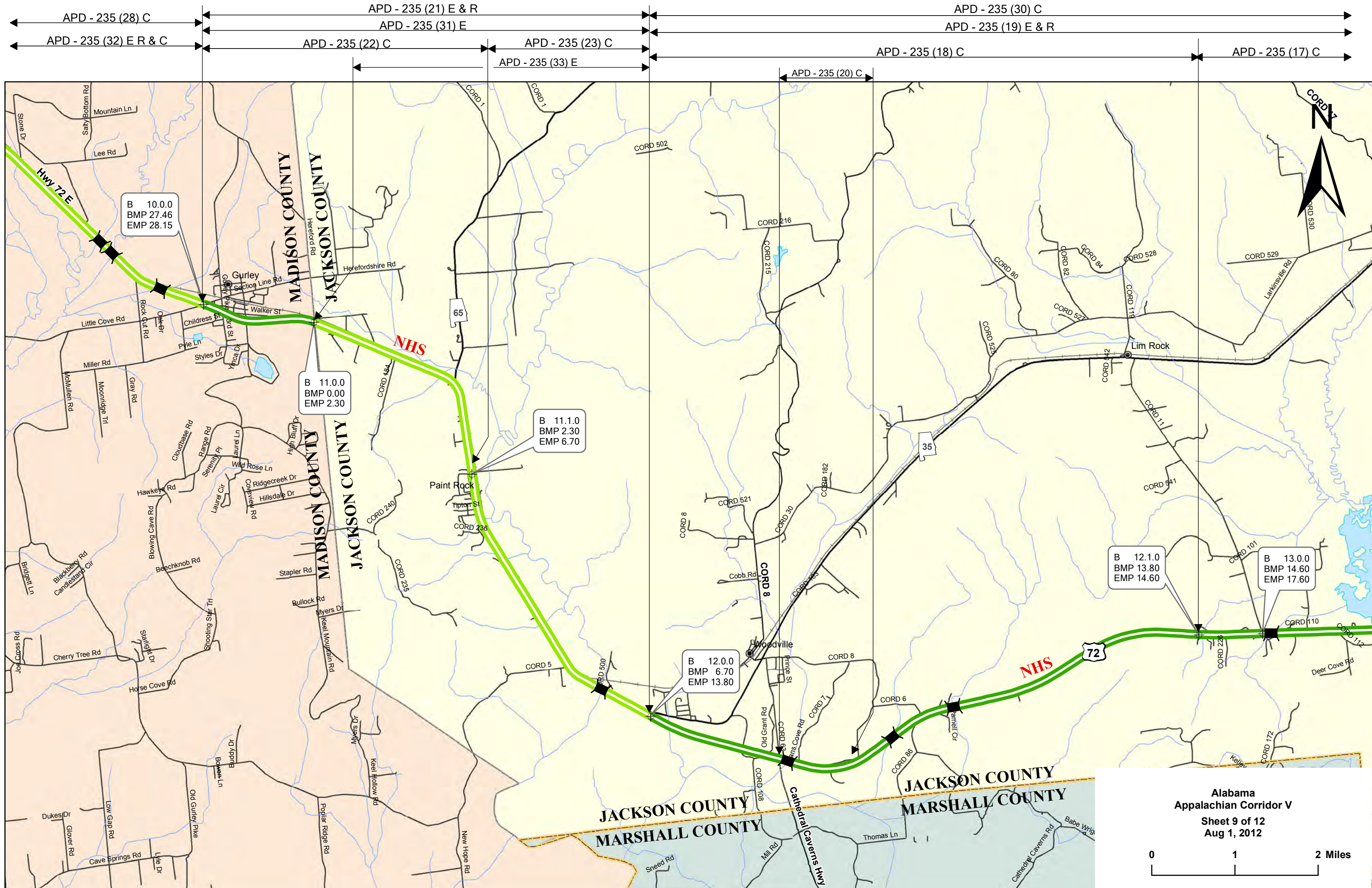


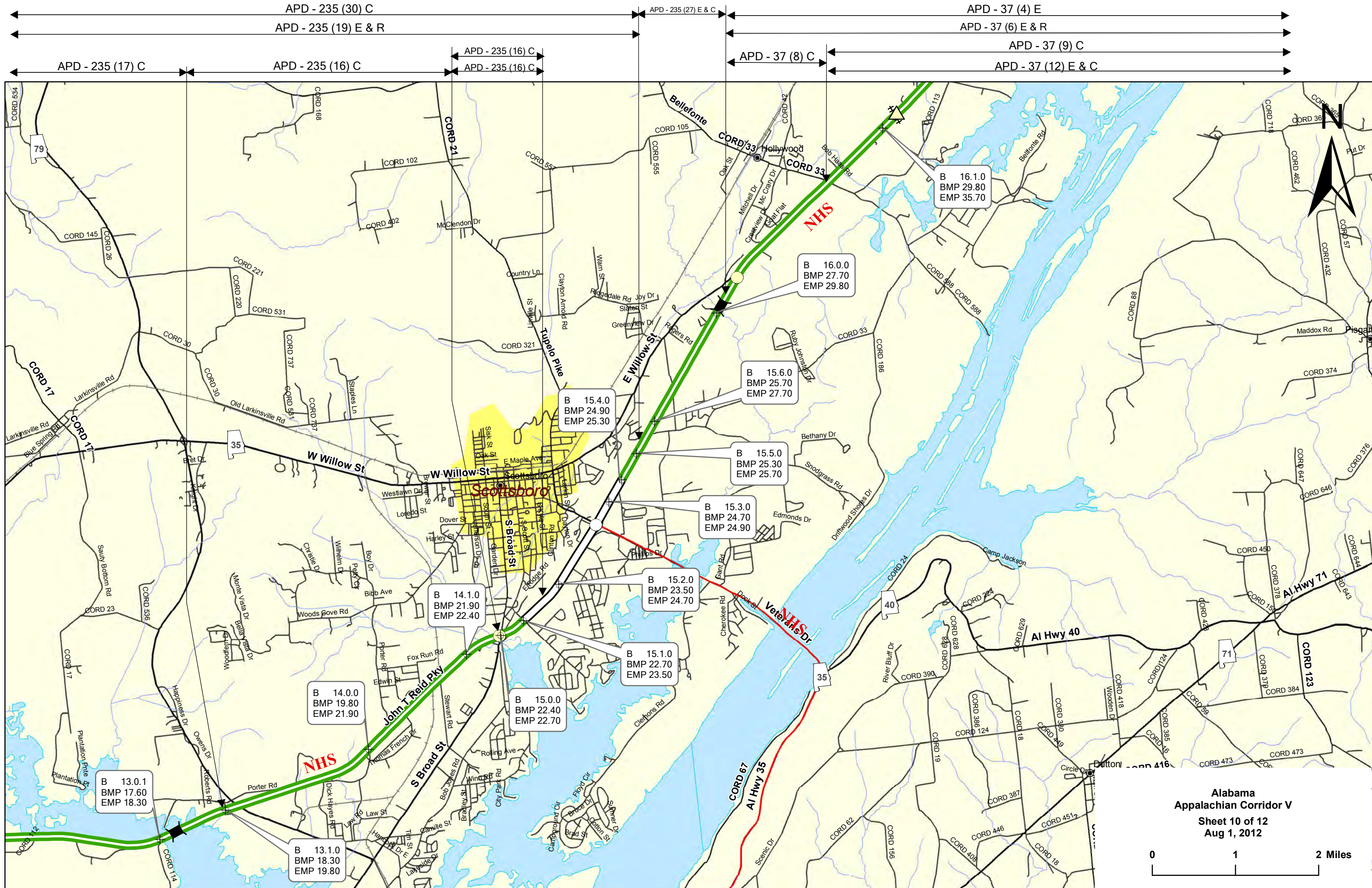


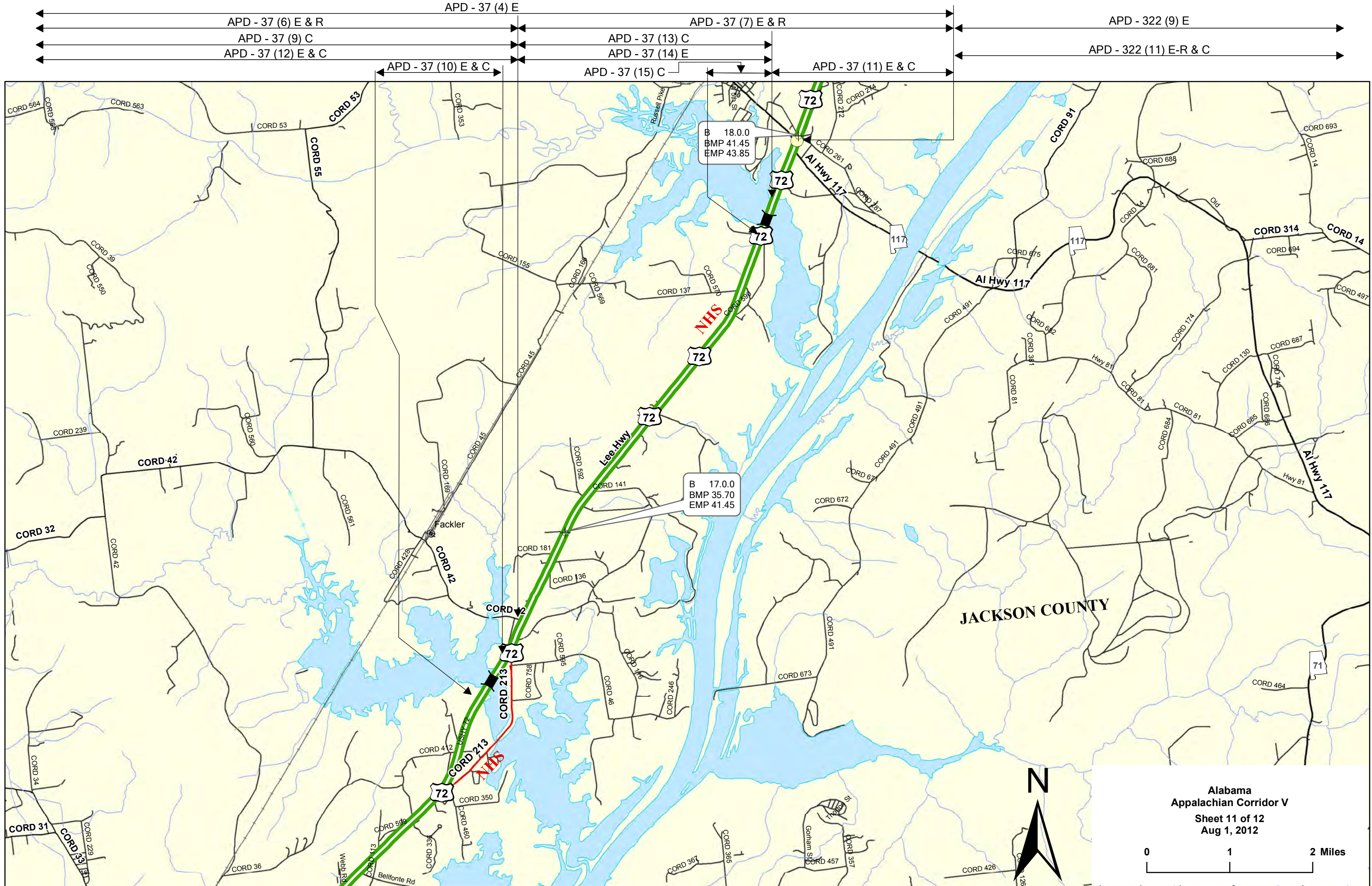
PROPOSED I-565











APD - 322 (11) E - R & C

APD - 322 (12) E R & C

APD - 322 (13) E & R

APD - DPS - 0009 () E & C
APD - 322 (17) E & C
APD - 322 (19) E

APD - DPS - 0009 (12) E & C
DPS - 0009 (12) E & C
APD - 322 (16) E
APD - 322 (15) E & C

APD - DPS - 0009 (7) C

TENNESSEE

JACKSON COUNTY

JACKSON COUNTY

B 19.0.0
BMP 51.45
EMP 53.01

B 18.1.0
BMP 43.85
EMP 51.45

Alabama
Appalachian Corridor V
Sheet 12 of 12
Aug 1, 2012

0 1 2 Miles

2012 Appalachian Development Highway System Cost Estimate

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

State: AL

ADHS Corridor: X

Section ID	A 01.0.0	A 02.0.0	A 02.1.0	A 02.2.0	A 02.3.0	A 02.4.0
LRS Milepoint: Beginning/Ending	0.000/6.400	6.400/7.790	7.790/11.490	11.490/16.190	16.190/22.190	22.190/25.790
Status	Stage Construction	Completed	Completed	Completed	Completed	Completed
1. Finance Code	21	20	20	20	20	20
2. Section Length(Miles)	6.4	1.8	3.7	4.7	6	3.6
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	01/093/04	01/093/04	01/093/04	01/093/04	01/093/04	01/093/04
---- b. HPMS Route/Subroute	00XS090004/00	00XS090004/00	00XS090004/00	00XS090004/00	00XS090004/00	00XS090004/00
---- c. HPMS Signed Route/Strip Map #	0000000004/X1	0000000004/X1	0000000004/X1	0000000004/X1	0000000004/X2	0000000004/X2
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	65	65
7. Traffic:						
---- a. ADT-Base Year (2010)	11,700	11,930	11,550	10,960	10,100	11,100
---- b. ADT-Year 2020	16,490	16,810	16,280	15,450	14,230	15,640
---- c. Design Year	2,004	2,007	2,006	2,006	2,009	2,012
---- d. ADT-Design Year	10,210	12,420	7,900	7,740	8,450	9,070
---- e. DHV-Design Year	1,020	1,370	870	850	1,010	1,090
---- f. % Truck Design Year(DHV)	26	26	29	29	30	30
---- g. % Truck Design Year(ADT)	35	34	39	39	40	40
---- h. Directional Distribution Factor	55	55	55	55	55	55
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	4/Full	4/Full	4/Full	4/Full	4/Full	4/Full
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	64	64	64	64	64	64
13. Status of Development(Figure 4)	3a3a	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	585	0	0	0	0	0
---- b. Relocation	0	0	0	0	0	0
16. Utility Adjustments	513	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	8,774	0	0	0	0	0
26. All Other Items	0	0	0	0	0	0
27. Subtotal(lines 17 thru 26)	8,774	0	0	0	0	0
28. Construction Engineering(13.00000000% of line 27)	1,141	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	9,915	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	11,563	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: AL

ADHS Corridor: X

Section ID	A 02.5.0	A 02.6.0	A 02.6.1	A 02.7.0	A 02.8.0	A 02.9.0
LRS Milepoint: Beginning/Ending	25.790/29.990	29.990/34.690	34.690/38.590	0.000/1.000	1.000/7.500	7.500/13.000
Status	Completed	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20	20
2. Section Length(Miles)	3.8	4.7	3	1.8	6.5	4.2
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	01/093/04	01/093/04	01/093/04	01/127/04	01/127/04	01/127/04
---- b. HPMS Route/Subroute	00XS090004/00	00XS090004/00	00XS090004/00	00XS127004/00	00XS127004/00	00XS127004/00
---- c. HPMS Signed Route/Strip Map #	0000000004/X3	0000000004/X3	0000000004/X4	0000000004/X4	0000000004/X4	0000000004/X5
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	65	70	70	70	70	70
7. Traffic:						
---- a. ADT-Base Year (2010)	11,140	13,750	11,700	11,700	14,570	14,490
---- b. ADT-Year 2020	15,700	19,380	16,490	16,490	20,530	20,420
---- c. Design Year	2,014	2,018	2,019	2,019	2,019	2,014
---- d. ADT-Design Year	10,200	11,220	12,360	12,360	16,190	18,150
---- e. DHV-Design Year	1,224	1,350	1,480	1,480	1,940	2,180
---- f. % Truck Design Year(DHV)	30	30	29	29	27	22
---- g. % Truck Design Year(ADT)	40	40	39	39	36	29
---- h. Directional Distribution Factor	55	55	55	55	55	55
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	4/Full	4/Full	4/Full	4/Full	4/Full	4/Full
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	300
12. Median Width(ft), prevailing	64	64	64	64	64	64
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(13.00000000% 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: AL

ADHS Corridor: X

Section ID	A 02.9.9	A 03.0.0	A 04.0.0	A 05.0.0	A 06.0.0	A 07.0.0
LRS Milepoint: Beginning/Ending	13.000/15.000	15.000/17.200	17.200/21.800	21.800/24.000	24.000/26.200	26.200/30.200
Status	Stage Construction	Stage Construction	Stage Construction	Stage Construction	Stage Construction	Completed
1. Finance Code	21	21	21	21	21	20
2. Section Length(Miles)	2.9	2.2	3.5	3.2	2.2	4
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	01/127/04	01/127/04	01/127/04	01/127/04	01/127/04	01/127/04
---- b. HPMS Route/Subroute	00XS127004/00	00XS127004/00	00XS127004/00	00XS127004/00	00XS127004/00	00XS127004/00
---- c. HPMS Signed Route/Strip Map #	0000000004/X5	0000000004/X5	0000000004/X6	0000000004/X6	0000000004/X6	0000000004/X6
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	70	70	70	70	70	70
7. Traffic:						
---- a. ADT-Base Year (2010)	15,080	20,760	17,190	16,300	25,650	25,830
---- b. ADT-Year 2020	21,250	29,260	24,230	22,970	36,150	36,400
---- c. Design Year	2,019	2,019	2,014	2,013	2,015	2,020
---- d. ADT-Design Year	28,320	33,550	17,890	19,310	32,800	36,070
---- e. DHV-Design Year	3,400	4,030	2,150	2,320	3,610	3,970
---- f. % Truck Design Year(DHV)	19	18	22	21	20	20
---- g. % Truck Design Year(ADT)	25	24	29	28	26	26
---- h. Directional Distribution Factor	55	55	55	55	60	60
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	6	6	4	4	6	6
10. Typical X-Section of Reference/Access Control	6/Full	6/Full	5/Full	5/Full	6/Full	6/Full
11. Right-of-Way Width(ft), prevailing	350	350	350	350	350	350
12. Median Width(ft), prevailing	74	74	74	74	74	74
13. Status of Development(Figure 4)	3a3a	3a3a	3a3a	3a3a	3a3a	1a

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

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	125	125	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	217	235	253	206	206	0
18. Subbase, Base, Surfacing, Shoulders	3,756	4,069	4,380	2,475	2,475	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	144	157	168	138	138	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	202	219	236	193	193	0
27. Subtotal(lines 17 thru 26)	4,319	4,680	5,037	3,012	3,012	0
28. Construction Engineering(13.00000000% of line 27)	561	608	655	392	392	0
29. Total Cost of Construction(lines 27 & 28)	4,880	5,288	5,692	3,404	3,404	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	5,256	5,684	5,976	3,574	3,574	0

2012 Appalachian Development Highway System Cost Estimate

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

State: AL

ADHS Corridor: X

Section ID	A 08.0.0	A 09.0.0	A 10.0.0	D 01.0.0	D 01.1.0	D 01.2.0
LRS Milepoint: Beginning/Ending	30.200/33.400	33.400/36.900	36.900/40.800	0.000/2.900	2.900/4.700	4.700/8.200
Status	Completed	Completed	Completed	Stage Construction	Stage Construction	Stage Construction
1. Finance Code	20	20	20	21	21	21
2. Section Length(Miles)	3.2	3.5	4.2	4.2	1.8	3.5
3. Class/Urban Code	R/0	R/0	R/0	R/0	U/035	U/035
4. Location:						
---- a. FIPS State/County/Congressional	01/127/04	01/127/04	01/127/04	01/073/06	01/073/06	01/073/06
---- b. HPMS Route/Subroute	00XS127004/00	00XS127004/00	00XS127004/00	00XS073004/00	00XS073004/00	00XS073004/00
---- c. HPMS Signed Route/Strip Map #	0000000004/X7	0000000004/X7	0000000004/X7	0000000004/X8	0000000004/X8	0000000004/X8
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	70	70	70	70	70	70
7. Traffic:						
---- a. ADT-Base Year (2010)	24,780	26,360	27,250	28,850	49,780	59,130
---- b. ADT-Year 2020	34,920	37,150	38,410	40,660	70,160	83,340
---- c. Design Year	2,020	2,020	2,020	2,020	2,019	2,020
---- d. ADT-Design Year	35,720	37,190	38,620	43,620	71,463	87,804
---- e. DHV-Design Year	3,930	4,090	4,250	4,800	7,861	9,658
---- f. % Truck Design Year(DHV)	20	19	18	18	15	15
---- g. % Truck Design Year(ADT)	26	25	24	24	20	20
---- h. Directional Distribution Factor	60	60	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	6	6	6	2	2	2
9. Ultimate Number of Through Traffic Lanes	6	6	6	8	8	8
10. Typical X-Section of Reference/Access Control	6/Full	6/Full	6/Full	8/Full	8/Full	8/Full
11. Right-of-Way Width(ft), prevailing	350	350	350	350	350	350
12. Median Width(ft), prevailing	74	74	74	50	50	50
13. Status of Development(Figure 4)	1a	1a	1a	3a3a	3a3a	3a3a

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

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	175	75	150
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	6,352	2,722	5,294
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	2,295	983	1,912
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	8,647	3,705	7,206
28. Construction Engineering(13.00000000% of line 27)	0	0	0	1,124	482	937
29. Total Cost of Construction(lines 27 & 28)	0	0	0	9,771	4,187	8,143
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	10,443	4,475	8,707

2012 Appalachian Development Highway System Cost Estimate

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

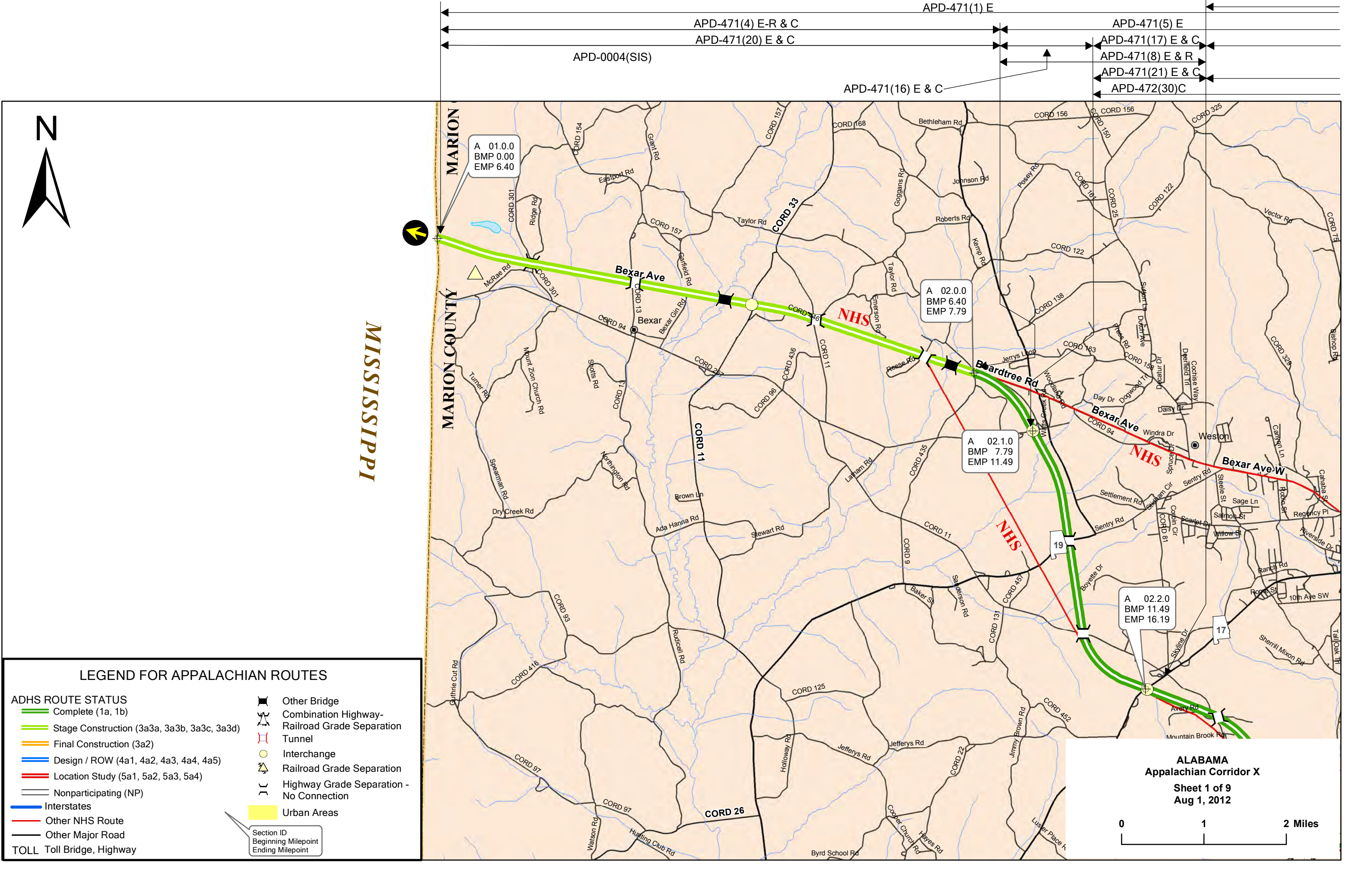
State: AL

ADHS Corridor: X

Section ID	D 01.3.0	D 04.0.0	D 05.0.0	D 06.0.0	D 06.1.0
LRS Milepoint: Beginning/Ending	8.200/10.500	10.500/11.200	11.200/12.400	12.400/13.900	15.050/12.350
Status	Stage Construction	Stage Construction	Stage Construction	Stage Construction	NP
1. Finance Code	21	21	21	23	20
2. Section Length(Miles)	2.3	1.4	1.2	1.8	2.7
3. Class/Urban Code	U/035	U/035	U/035	U/035	U/035
4. Location:					
---- a. FIPS State/County/Congressional	01/073/06	01/073/06	01/073/07	01/073/07	01/073/07
---- b. HPMS Route/Subroute	00XS073004/00	00XS073004/00	00XS073004/00	00XS073004/00	00XS073003/00
---- c. HPMS Signed Route/Strip Map #	0000000004/X8	0000000004/X9	0000000004/X9	0000000004/X9	0000000003/X9
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	2/NHS
6. Design Speed(mph)	70	70	70	70	50
7. Traffic:					
---- a. ADT-Base Year (2010)	59,140	64,260	64,610	39,140	18,970
---- b. ADT-Year 2020	83,350	90,570	91,060	55,160	26,740
---- c. Design Year	2,020	2,020	2,020	2,021	2,020
---- d. ADT-Design Year	89,381	97,111	98,519	87,210	27,859
---- e. DHV-Design Year	9,832	10,682	10,837	9,593	3,064
---- f. % Truck Design Year(DHV)	15	15	15	15	2
---- g. % Truck Design Year(ADT)	20	20	20	20	3
---- h. Directional Distribution Factor	60	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	2	8	8	8	0
9. Ultimate Number of Through Traffic Lanes	8	8	8	8	4
10. Typical X-Section of Reference/Access Control	8/Full	8/Full	8/Full	8/Full	2/Partial
11. Right-of-Way Width(ft), prevailing	350	350	350	350	150
12. Median Width(ft), prevailing	50	50	50	50	30
13. Status of Development(Figure 4)	3a3a	3a3a	3a3d	3a3d	np

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

14. Preliminary Engineering:					
---- a. Location	0	0	0	0	0
---- b. Design	100	50	130	177	0
15. Right-of-Way:					
---- a. Acquisition	0	0	0	0	0
---- b. Relocation	0	0	0	0	0
16. Utility Adjustments	0	0	0	2,340	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	0	0	2,499	0
18. Subbase, Base, Surfacing, Shoulders	3,479	1,059	16,869	27,016	0
19. Railroad Grade Separations	0	0	0	0	0
20. Highway Grade Separations without Ramps	0	0	0	0	0
21. Interchanges	0	0	0	0	0
22. Other Bridges, Tunnels, and Walls	0	0	0	4,819	0
23. Traffic Control	1,256	382	655	852	0
24. Environmental Mitigation	0	0	0	0	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	0	0	0	0	0
27. Subtotal(lines 17 thru 26)	4,735	1,441	17,524	35,186	0
28. Construction Engineering(13.00000000% of line 27)	616	187	2,278	4,574	0
29. Total Cost of Construction(lines 27 & 28)	5,351	1,628	19,802	39,760	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	5,723	1,762	20,929	44,391	0



APD-471(1) E

APD-471(23) C

APD-471(29) E & C

APD-471(2) E

APD-471(5) E

APD-471(9) E & C

APD-471(10) E & C

APD-471(19) E & C

APD-471(22) E & C

APD-471(62) E

APD-471(30) C

N

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EMP 16.19

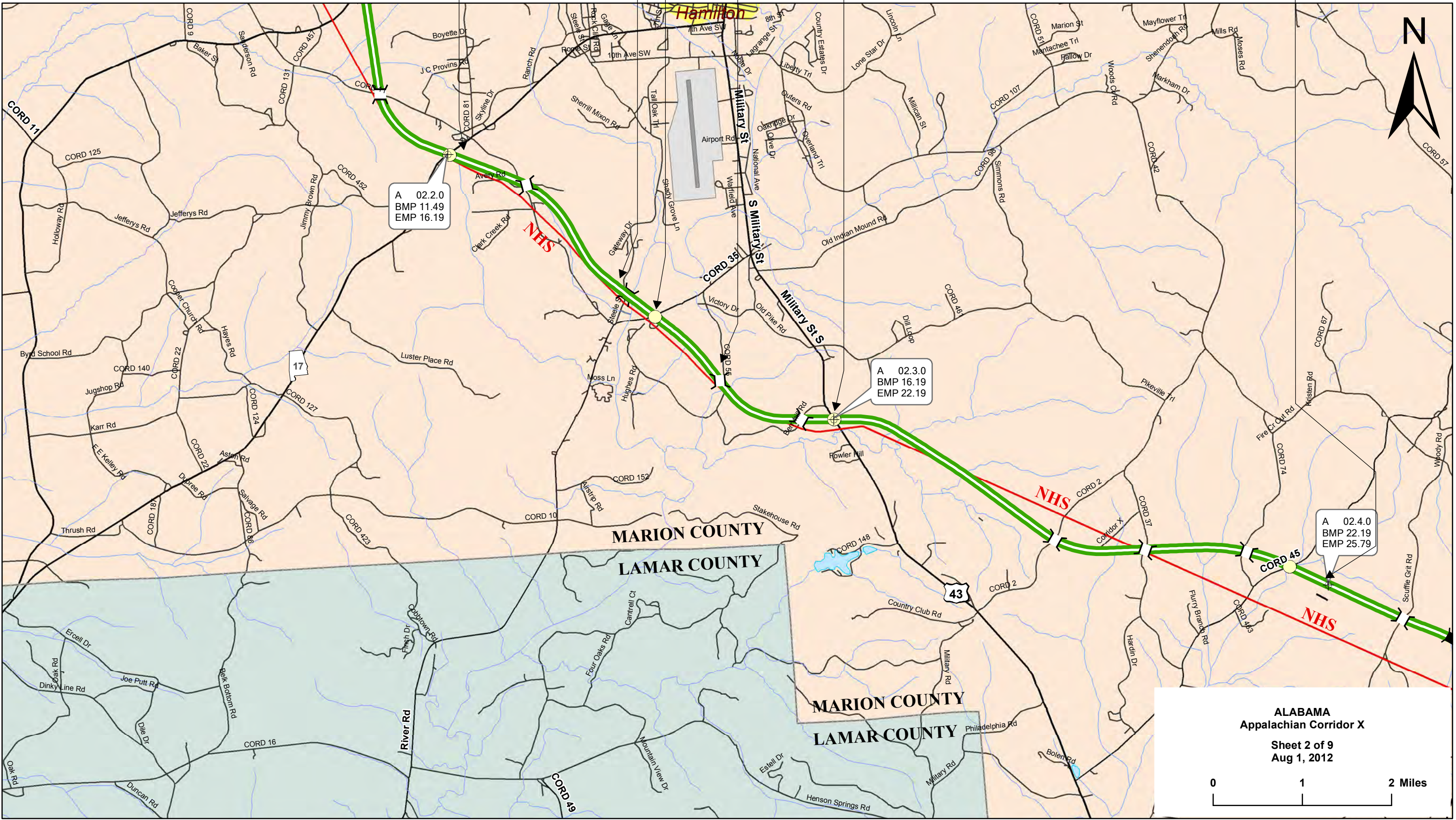
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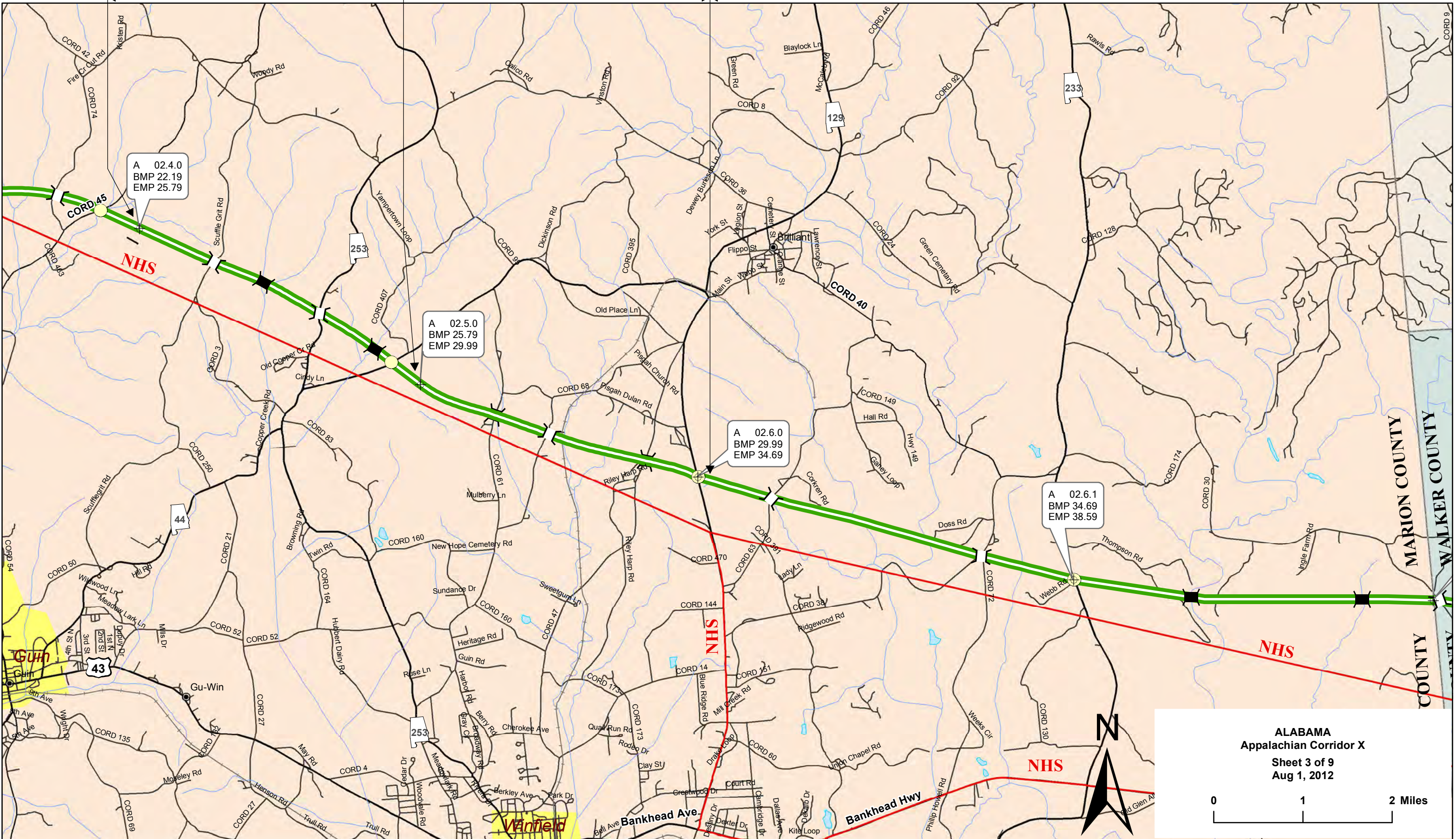
ALABAMA
Appalachian Corridor X

Sheet 2 of 9
Aug 1, 2012

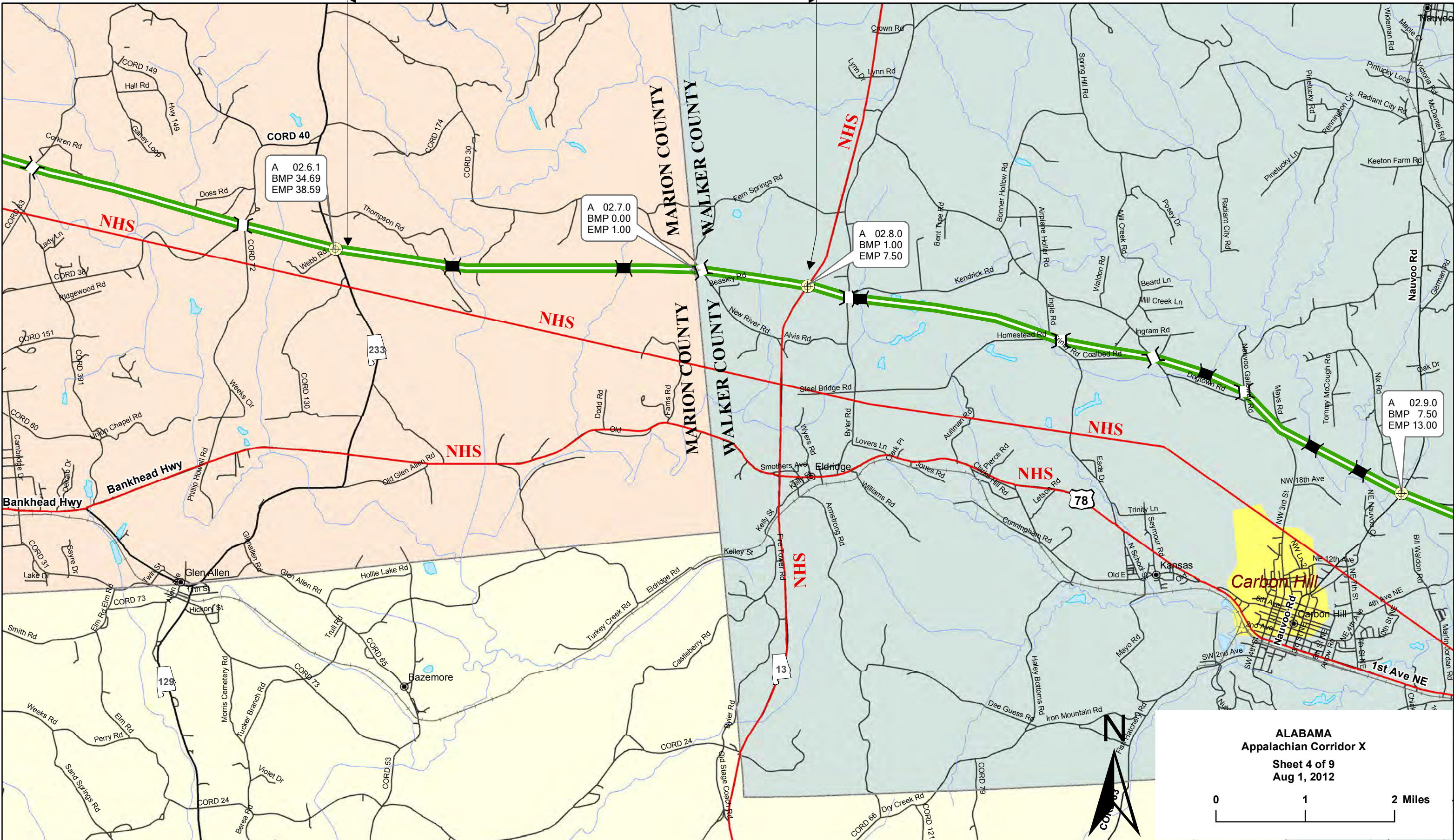
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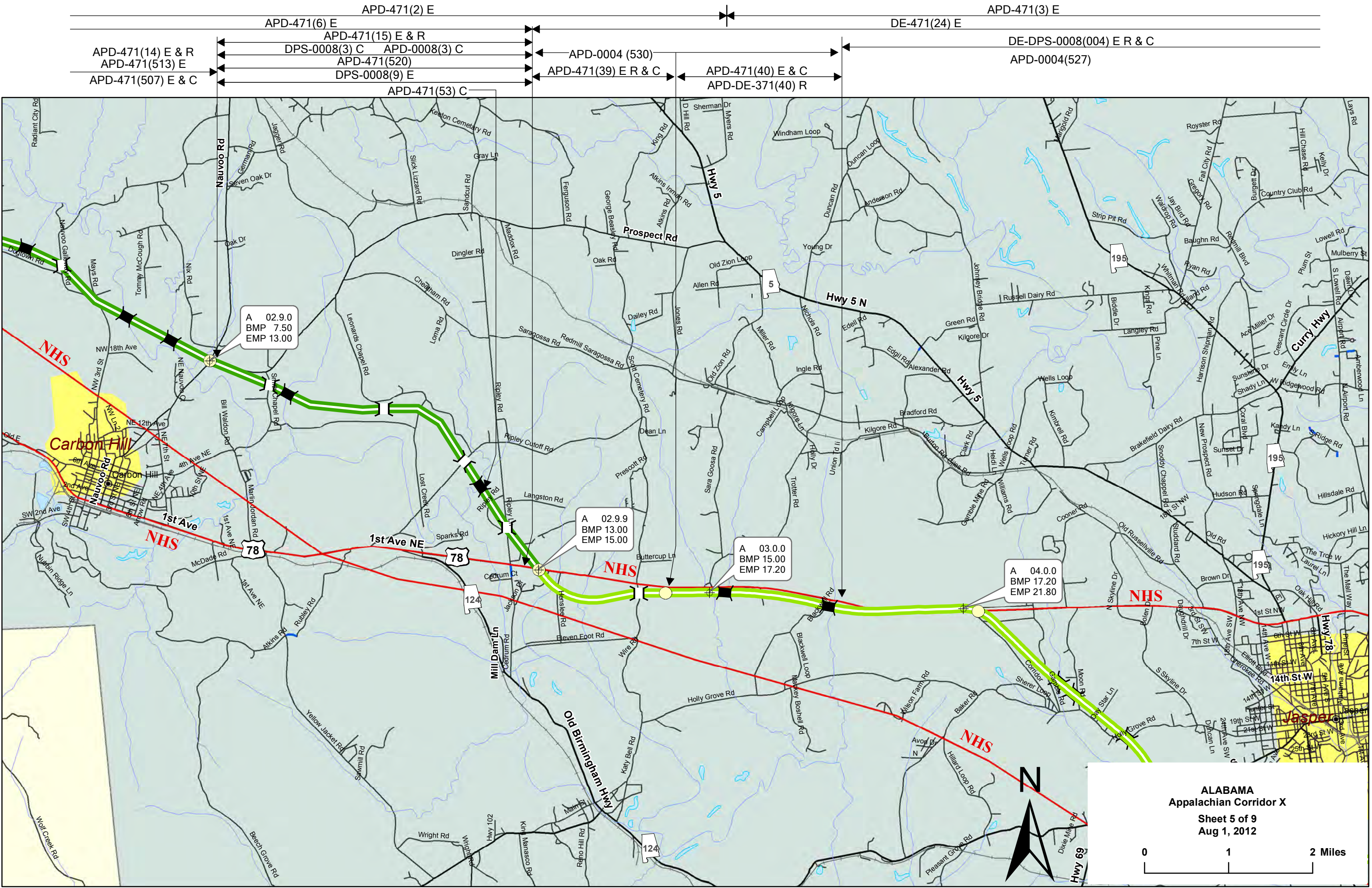


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			APD-471(6) E			
APD-471(11) E R & C	APD-471(48) E & C		APD-471(12) E & R		APD-471(13) E	
APD-471(62) E			APD-DPS-0008(2) C		APD-471(32) E & C	APD-471(72) E & C
APD-471(70) E & C			APD-000(2) C		DPS-0008(8) R	



APD-471(13) E		APD-471(33) E & C		APD-471(73) E	APD-471(74) C	APD-471(14) E & C		APD-471(513) E	APD-471(507) E & C
APD-471(32) E	APD-471(72) C	APD-471(52)		APD-471(52)		APD-471(52)		APD-471(52)	
DPS-0008(8) R		DPS-0008(7) R		DPS-0008(7) R		DPS-0008(7) R		DPS-0008(7) R	





DPS-471(31) R
DE-471(31) R

DPS-0008(26) C

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EMP 21.80

A 05.0.0
BMP 21.80
EMP 24.00

A 06.0.0
BMP 24.00
EMP 26.20

A 07.0.0
BMP 26.20
EMP 30.20

A 08.0.0
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EMP 33.40

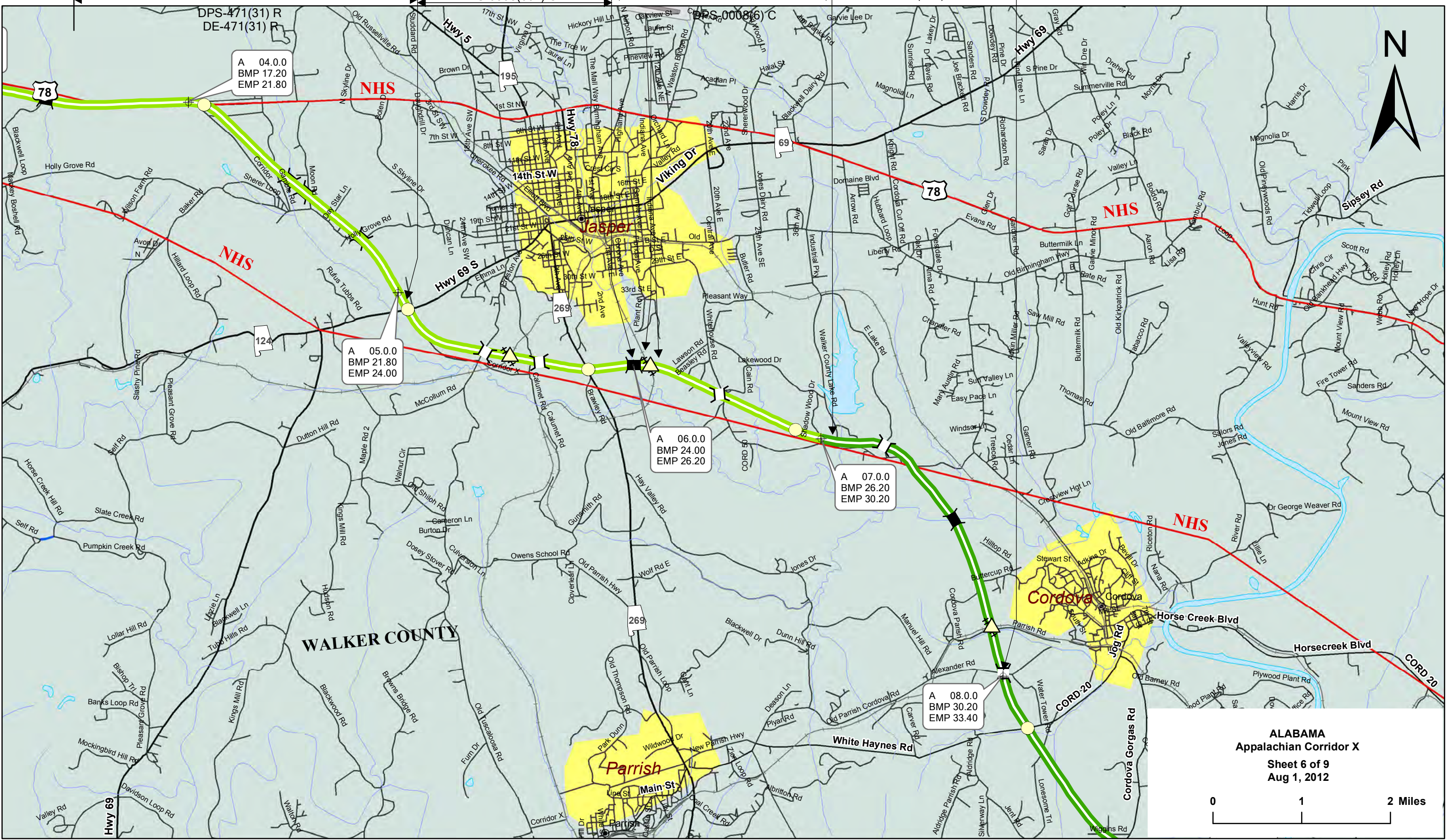
WALKER COUNTY

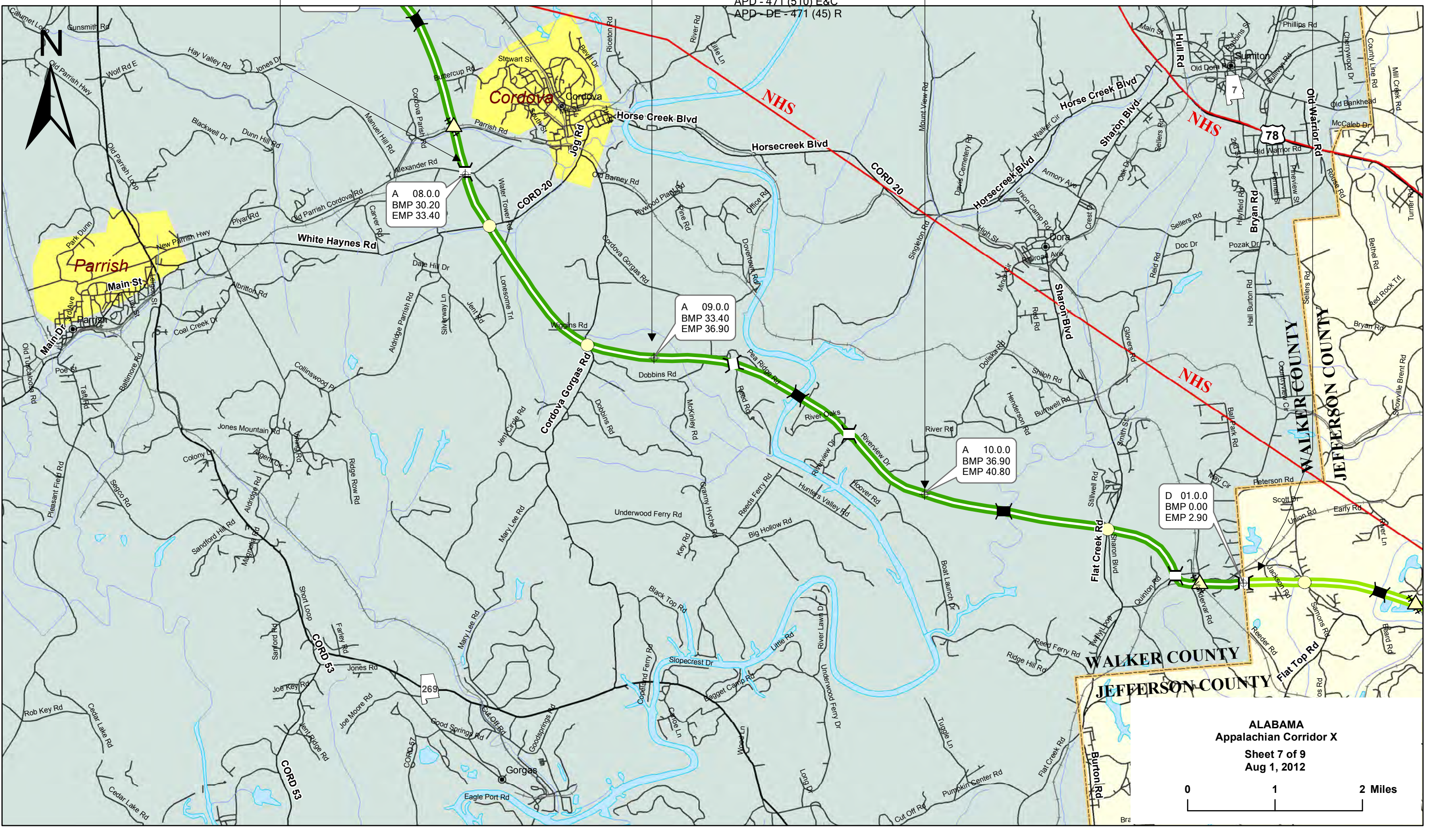
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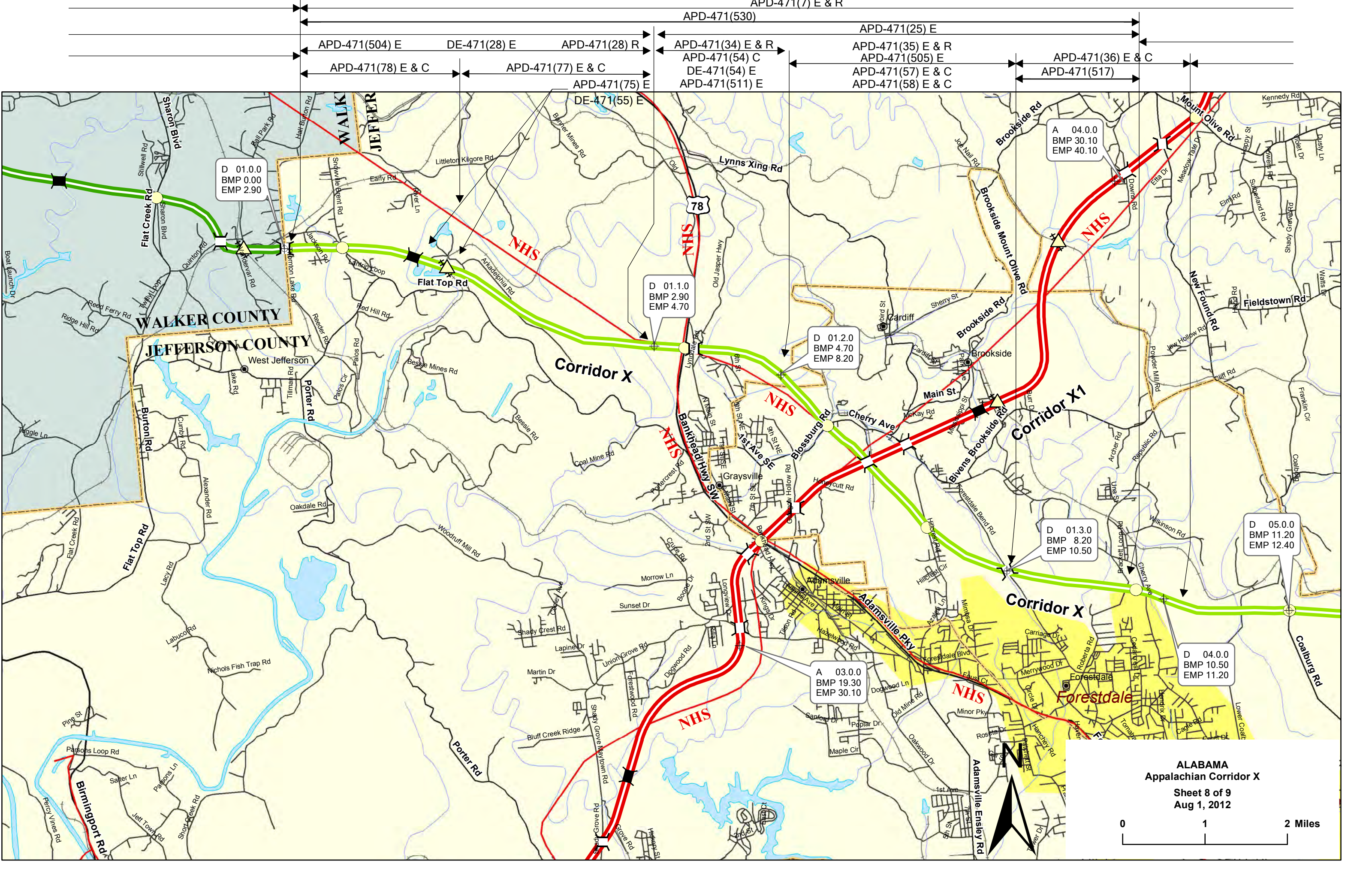
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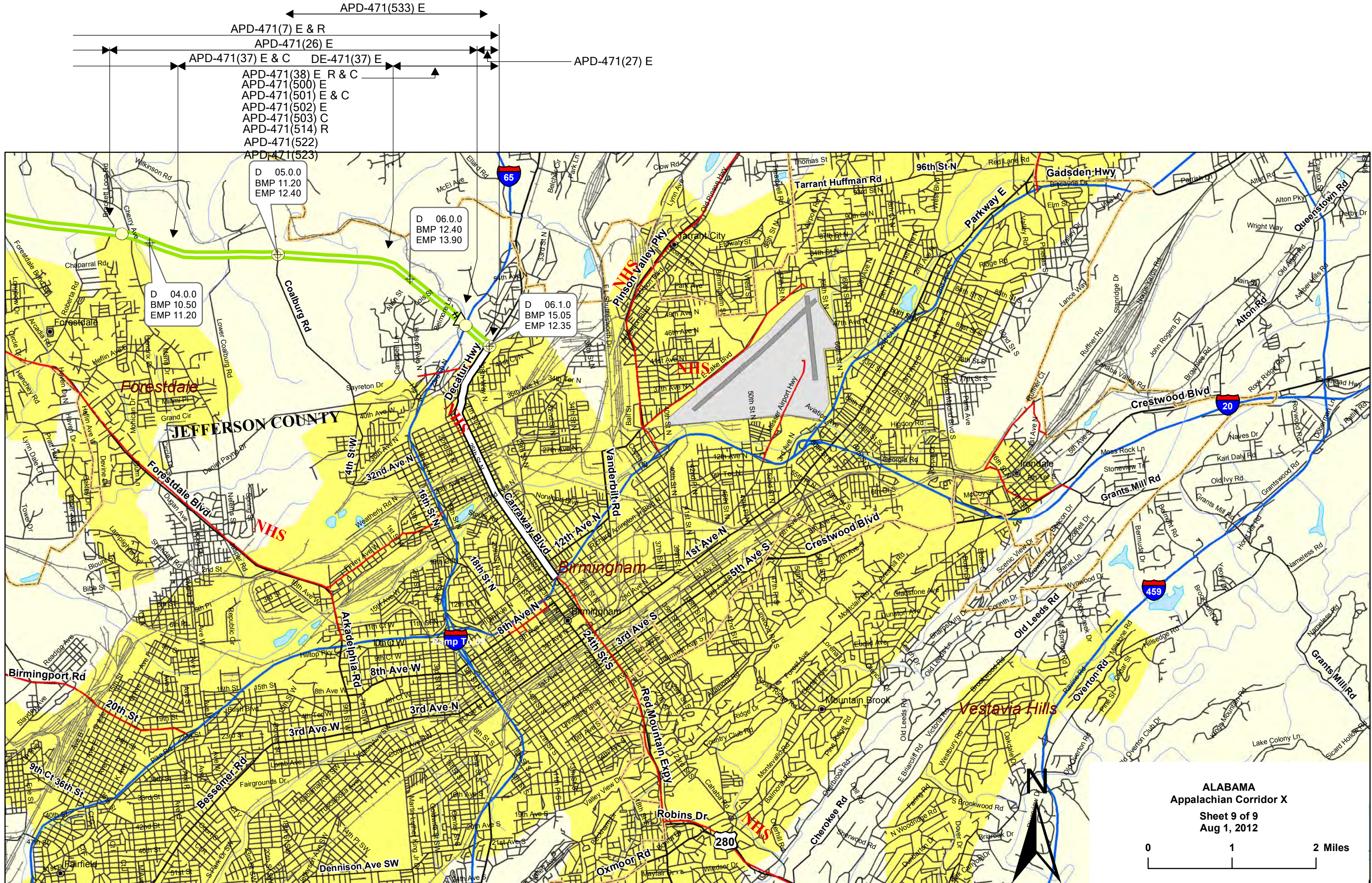
ALABAMA
Appalachian Corridor X
Sheet 6 of 9
Aug 1, 2012

0 1 2 Miles









2012 Appalachian Development Highway System Cost Estimate

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

State: AL

ADHS Corridor: X1

Section ID	A01.0.0	A02.0.0	A03.0.0	A04.0.0	A05.0.0	A05.1.0
LRS Milepoint: Beginning/Ending	0.000/9.000	9.000/19.300	19.300/30.100	30.100/40.100	40.100/42.500	42.500/45.700
Status	Location Study	Location Study	Location Study	Location Study	Location Study	Design/RoW
1. Finance Code	23	23	23	23	23	23
2. Section Length(Miles)	9	10.3	10.8	10	2.4	3.2
3. Class/Urban Code	U/035	U/035	U/035	U/035	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	01/073/06	01/073/06	01/073/06	01/073/06	01/073/06	01/073/06
---- b. HPMS Route/Subroute	00XS073NBL/00	00XS073NBL/00	00XS073NBL/00	00XS073NBL/00	00XS073NBL/00	00XS073NBL/00
---- c. HPMS Signed Route/Strip Map #	0000000959/	0000000959/	0000000959/	0000000959/	0000000959/	0000000959/
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	70	70	70	70	70	70
7. Traffic:						
---- a. ADT-Base Year (2010)	22,630	24,600	23,060	26,450	23,500	23,290
---- b. ADT-Year 2020	28,970	31,490	29,520	33,860	30,080	29,810
---- c. Design Year	2,025	2,025	2,025	2,025	2,025	2,025
---- d. ADT-Design Year	33,124	36,686	35,566	39,700	35,350	35,350
---- e. DHV-Design Year	4,770	5,283	5,121	5,717	5,090	5,090
---- f. % Truck Design Year(DHV)	9	8	8	8	8	8
---- g. % Truck Design Year(ADT)	12	11	11	11	11	11
---- h. Directional Distribution Factor	60	60	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	8	8	8	8	8	8
9. Ultimate Number of Through Traffic Lanes	8	8	8	8	8	8
10. Typical X-Section of Reference/Access Control	BNB/Full	BNB/Full	BNB/Full	BNB/Full	BNB/Full	BNB/Full
11. Right-of-Way Width(ft), prevailing	500	500	500	500	500	500
12. Median Width(ft), prevailing	26	26	26	26	26	26
13. Status of Development(Figure 4)	5a1	5a1	5a1	5a1	5a1	4a3

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

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	42,755	20,741	24,581	36,722	3,241	773
15. Right-of-Way:						
---- a. Acquisition	88,186	48,687	79,543	91,496	7,943	0
---- b. Relocation	0	0	0	0	0	0
16. Utility Adjustments	6,680	7,645	8,016	7,422	1,781	3,120
17. Erosion Control/Clear/Grade/Drain/Minor Structure	39,875	42,212	45,833	38,912	11,000	19,265
18. Subbase, Base, Surfacing, Shoulders	57,627	60,990	66,237	56,250	15,896	27,842
19. Railroad Grade Seperations	0	17,705	29,335	0	0	0
20. Highway Grade Seperations without Ramps	58,256	12,751	10,330	15,698	2,947	1,304
21. Interchanges	169,530	14,801	59,357	151,789	0	54,162
22. Other Bridges, Tunnels, and Walls	57,276	38,820	11,739	71,899	0	73,711
23. Traffic Control	9,227	10,471	10,147	9,430	2,543	4,456
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)	391,791	197,750	232,978	343,978	32,386	180,740
28. Construction Engineering(13.00000000% of line 27)	50,933	25,708	30,287	44,717	4,210	23,496
29. Total Cost of Construction(lines 27 & 28)	442,724	223,458	263,265	388,695	36,596	204,236
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	609,362	315,557	394,175	550,552	52,039	218,536

2012 Appalachian Development Highway System Cost Estimate

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

State: AL

ADHS Corridor: X1

Section ID	A05.2.0	A05.3.0	B01.0.0
LRS Milepoint: Beginning/Ending	45.700/49.900	49.900/52.500	52.500/65.000
Status	Location Study	Location Study	Location Study
1. Finance Code	23	23	23
2. Section Length(Miles)	4.2	2.6	12.5
3. Class/Urban Code	U/035	U/035	R/0
4. Location:			
---- a. FIPS State/County/Congressional	01/073/06	01/073/06	01/115/06
---- b. HPMS Route/Subroute	00XS073NBL/00	00XS073NBL/00	00XS073NBL/00
---- c. HPMS Signed Route/Strip Map #	0000000959/	0000000959/	0000000959/
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	70	70	70
7. Traffic:			
---- a. ADT-Base Year (2010)	23,290	23,290	24,950
---- b. ADT-Year 2020	29,810	29,810	31,940
---- c. Design Year	2,025	2,025	2,025
---- d. ADT-Design Year	35,350	35,350	37,470
---- e. DHV-Design Year	5,090	5,090	4,496
---- f. % Truck Design Year(DHV)	8	8	8
---- g. % Truck Design Year(ADT)	11	11	11
---- h. Directional Distribution Factor	60	60	60
8. Number of Lanes to be Constructed this Estimate	8	8	8
9. Ultimate Number of Through Traffic Lanes	8	8	8
10. Typical X-Section of Reference/Access Control	BNB/Full	BNB/Full	BNB/Full
11. Right-of-Way Width(ft), prevailing	500	500	500
12. Median Width(ft), prevailing	26	26	26
13. Status of Development(Figure 4)	5a1	5a1	5a3

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

14. Preliminary Engineering:			
---- a. Location	0	0	0
---- b. Design	10,022	23,828	24,963
15. Right-of-Way:			
---- a. Acquisition	28,500	23,205	64,832
---- b. Relocation	0	0	0
16. Utility Adjustments	3,117	1,930	6,466
17. Erosion Control/Clear/Grade/Drain/Minor Structure	19,249	65,250	52,258
18. Subbase, Base, Surfacing, Shoulders	27,820	21,458	68,051
19. Railroad Grade Seperations	0	0	5,150
20. Highway Grade Seperations without Ramps	38,951	2,550	5,150
21. Interchanges	4,699	121,839	63,104
22. Other Bridges, Tunnels, and Walls	0	0	20,600
23. Traffic Control	4,452	3,782	6,600
24. Environmental Mitigation	0	0	0
25. Roadside Improvements:			
---- a. Landscape Planting	0	0	0
---- b. Rest Area, Overlooks	0	0	0
26. All Other Items	0	0	0
27. Subtotal(lines 17 thru 26)	95,171	214,879	220,913
28. Construction Engineering(13.00000000% of line 27)	12,372	27,934	28,719
29. Total Cost of Construction(lines 27 & 28)	107,543	242,813	249,632
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	156,641	306,365	363,187

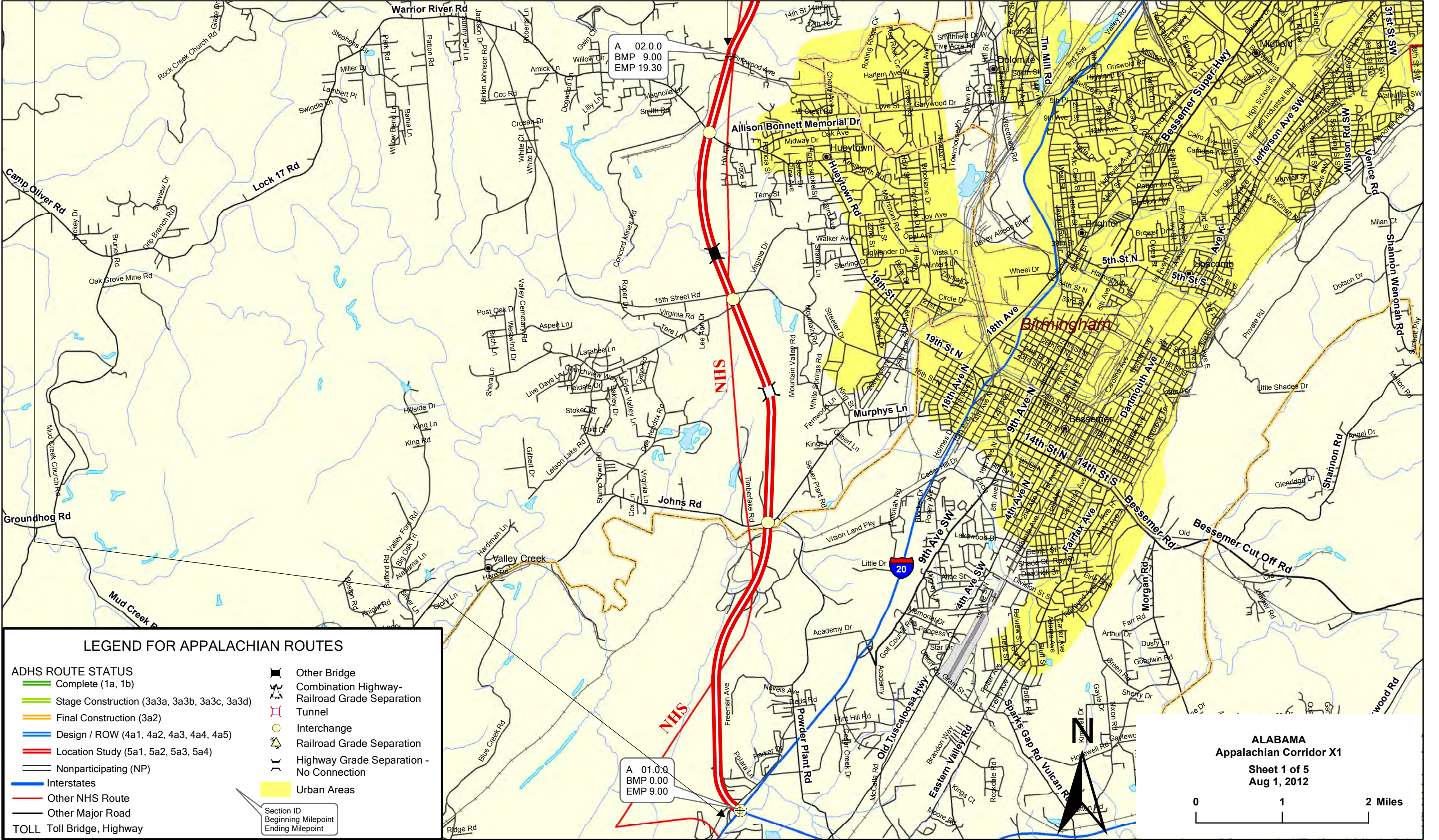
2012 Appalachian Development Highway System Cost Estimate

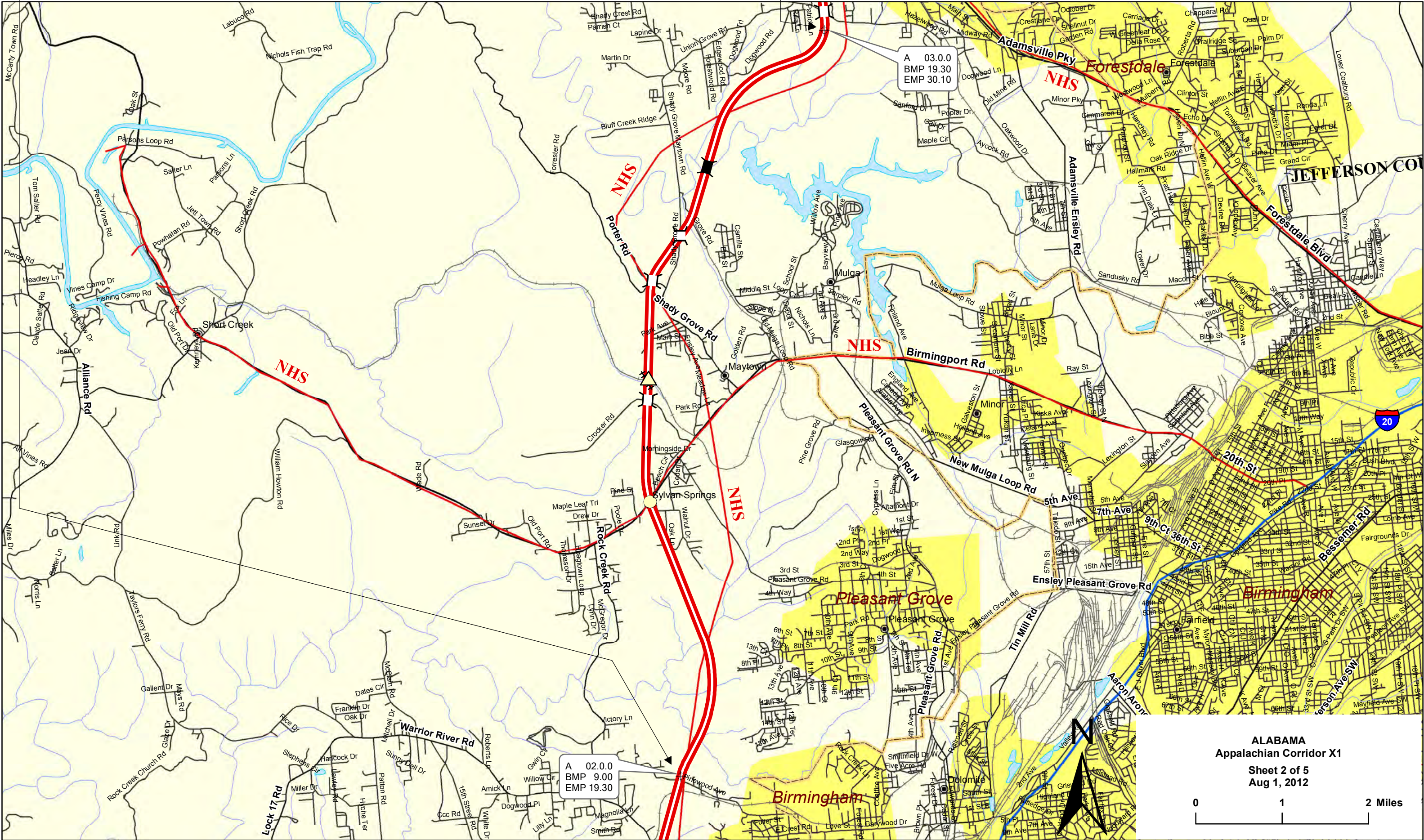
Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

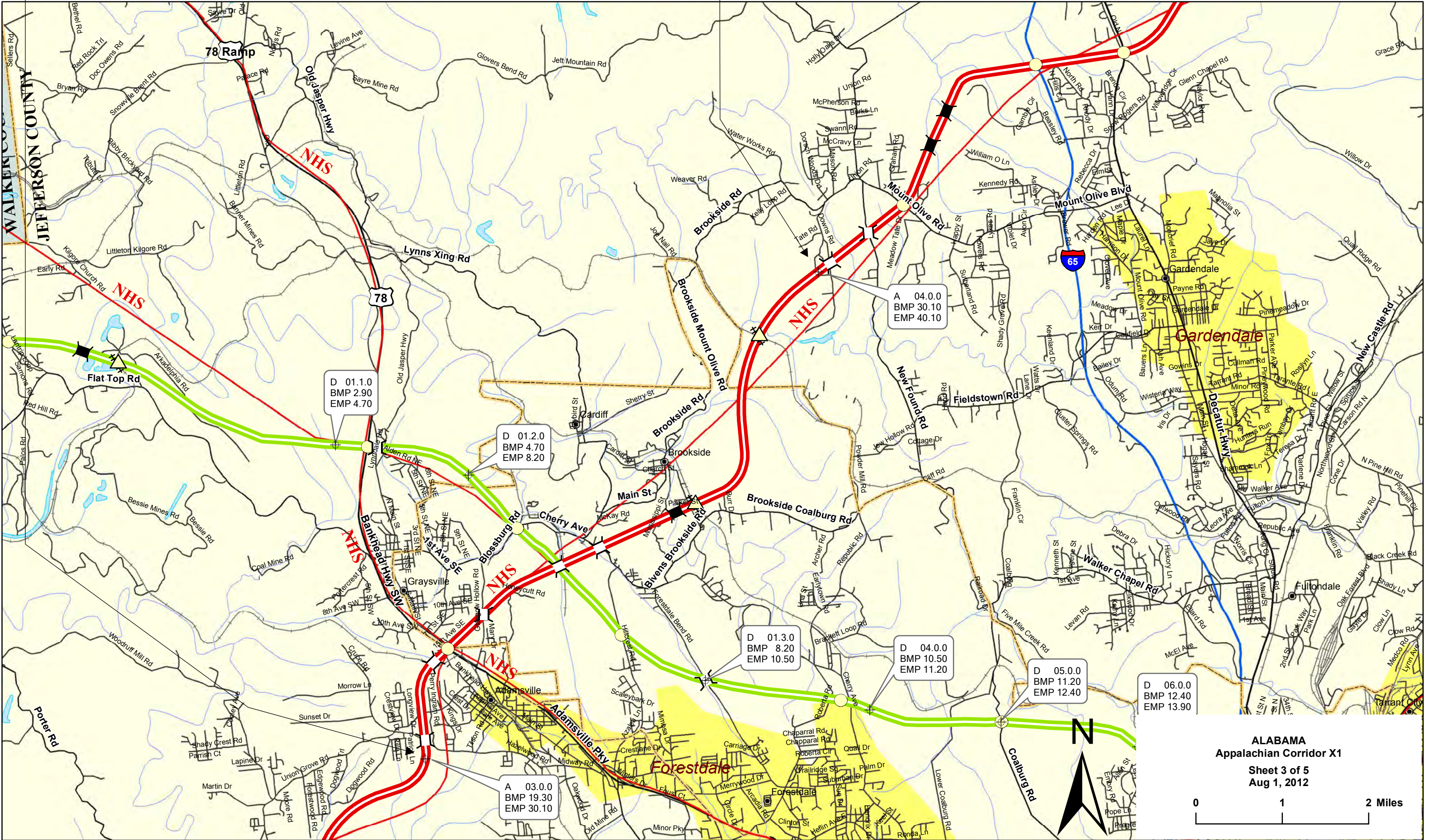
State: AL

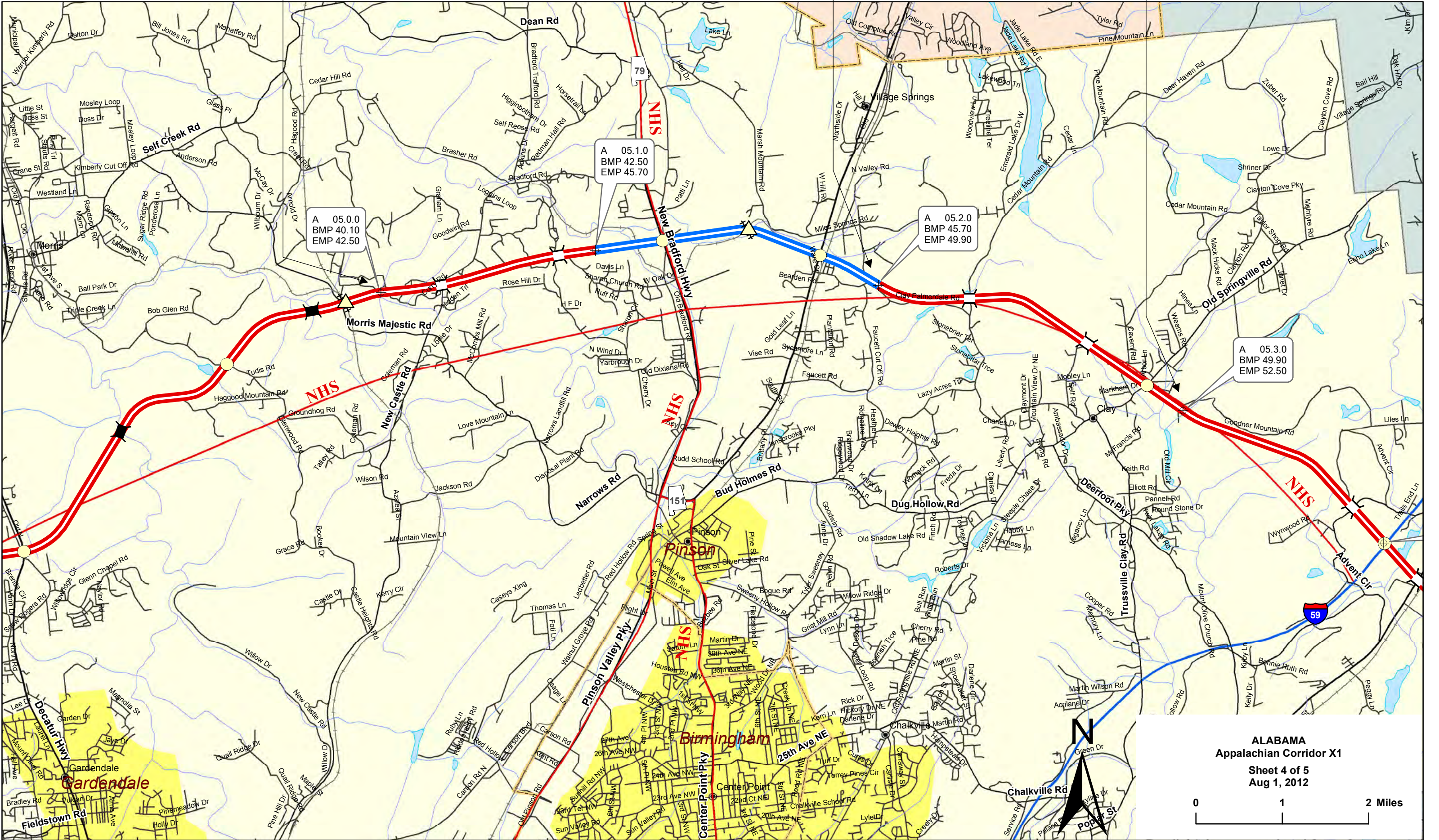
ADHS Corridor: X1

Section ID	Corridor	Rural	Urban
LRS Milepoint	Total	Subtotal	Subtotal
1. Finance Code			
2. Section Length(Miles)	65.00	18.10	46.90
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	187,626	28,977	158,649
15. Right-of-Way:			
---- a. Acquisition	432,392	72,775	359,617
---- b. Relocation			
16. Utility Adjustments	46,177	11,367	34,810
17. Erosion Control/Clear/Grade/Drain/Minor Structure	333,854	82,523	251,331
18. Subbase, Base, Surfacing, Shoulders	402,171	111,789	290,382
19. Railroad Grade Separations	52,190	5,150	47,040
20. Highway Grade Separations without Ramps	147,937	9,401	138,536
21. Interchanges	639,281	117,266	522,015
22. Other Bridges, Tunnels, and Walls	274,045	94,311	179,734
23. Traffic Control	61,108	13,599	47,509
24. Environmental Mitigation			
25. Roadside Improvements:			
---- a. Landscape Planting			
---- b. Rest Area, Overlooks			
26. All Other Items			
27. Subtotal(lines 17 thru 26)	1,910,586	434,039	1,476,547
28. Construction Engineering(13.00000000% of line 27)	248,376	56,425	191,951
29. Total Cost of Construction(lines 27 & 28)	2,158,962	490,464	1,668,498
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	2,966,415	633,762	2,332,653









HPP - 1602 (532)

STPAA - PE00 (006)

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BMP 52.50
EMP 65.00

ALABAMA
Appalachian Corridor X1
Sheet 5 of 5
Aug 1, 2012

0 1 2 Miles

2012 Appalachian Development Highway System Cost Estimate

Table C State/Commonwealth of Alabama

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		V		X		X1	
Class: Rural or Urban		Rural	Urban	Rural	Urban	Rural	Urban
Length in miles		21.7	5.2	24.6	12.0	18.1	46.9
Total Mileage (Rural + Urban)		26.9		36.6		65.0	
Work Classification		Estimated Costs (\$1,000)					
14. Preliminary Engineering: a. Location		0	0	0	0	0	0
b. Design		2,256	196	425	682	28,977	158,649
15. Right-of-Way: a. Acquisition		725	12,012	585	0	72,775	359,617
b. Relocation		186	853	0	0	0	0
16. Utility Adjustments		0	4,716	513	2,340	11,367	34,810
17. Ersn Ctrl/Clear/Grade/Drain/Minor Structure		12,823	27,434	1,117	2,499	82,523	251,331
18. Subbase, Base, Surfacing, Shoulders		27,162	22,400	23,507	56,439	111,789	290,382
19. Railroad Grade Separations		0	0	0	0	5,150	47,040
20. Highway Grade Separation without Ramps		0	0	0	0	9,401	138,536
21. Interchanges		10,867	0	0	0	117,266	522,015
22. Other Bridges, Tunnels, and Walls		0	11,558	0	4,819	94,311	179,734
23. Traffic Control		84	800	3,040	6,040	13,599	47,509
24. Environmental Mitigation		0	0	0	0	0	0
25. Roadside Improvements: a. Landscape Planting		0	0	0	0	0	0
b. Rest Areas, Overlooks		0	0	8,774	0	0	0
26. All Other Items		0	0	1,043	0	0	0
27. Subtotal (Lines 17 through 26)		50,936	62,192	37,481	69,797	434,039	1,476,547
28. Construction E & C (13.00% of line 27)		6,622	8,085	4,873	9,074	56,425	191,951
29. Total Cost of Construction (lines 27 and 28)		57,558	70,277	42,354	78,871	490,464	1,668,498
30. Total Estimated Cost (lines 14, 15, 16, & 29)		63,761	92,457	46,070	85,987	633,762	2,332,653
31. Total Cost (Rural + Urban)		156,218		132,058		2,966,415	

2012 Appalachian Development Highway System Cost Estimate

Table C State/Commonwealth of Alabama

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					Subtotal		State Total
Class: Rural or Urban	Rural	Urban	Rural	Urban	Rural	Urban	
Length in miles					64.4	64.1	
Total Mileage (Rural + Urban)							128.5
Work Classification	Estimated Costs (\$1,000)						
14. Preliminary Engineering: a. Location					0	0	0
b. Design					31,658	159,527	191,185
15. Right-of-Way: a. Acquisition					74,085	371,629	445,714
b. Relocation					186	853	1,039
16. Utility Adjustments					11,880	41,866	53,746
17. Ersn Ctrl/Clear/Grade/Drain/Minor Structure					96,463	281,264	377,727
18. Subbase, Base, Surfacing, Shoulders					162,458	369,221	531,679
19. Railroad Grade Separations					5,150	47,040	52,190
20. Highway Grade Separation without Ramps					9,401	138,536	147,937
21. Interchanges					128,133	522,015	650,148
22. Other Bridges, Tunnels, and Walls					94,311	196,111	290,422
23. Traffic Control					16,723	54,349	71,072
24. Environmental Mitigation					0	0	0
25. Roadside Improvements: a. Landscape Planting					0	0	0
b. Rest Areas, Overlooks					8,774	0	8,774
26. All Other Items					1,043	0	1,043
27. Subtotal (Lines 17 through 26)					522,456	1,608,536	2,130,992
28. Construction E & C (13.00% of line 27)					67,919	209,110	277,029
29. Total Cost of Construction (lines 27 and 28)					590,375	1,817,646	2,408,021
30. Total Estimated Cost (lines 14, 15, 16, & 29)					743,593	2,511,097	
31. Total Cost (Rural + Urban)							3,254,690

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 Alabama

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	
PL 105-66 Transportation Appropriations Act 1998	PL 105-66	V & X	54C	Appalachain Regional Corridor V and X	40,000,000	10,433.85	
TEA-21	1602	X	Q92	Appalachian Regional Corridor X-1 Birmingham North Beltline	28,053,895	8,771,879	
PL 106-346 2001 DOT Appropriations Act	378	X	4420	Appalachian Regional Corridor X from SR-25 near Fulton, MS to US-31 in Birmingham, AL	99,780,000	7,842.06	
PL 108-199 Transportation, Treasury, and Independent Agency Act	115	X1	H170	Appalachian Regional Corridor X-1 Birmingham North Beltline	2,000,000	1,750,000	
PL 109-59 SAFETEA-LU	1702	X1	HY10 LY10	Appalachian Regional Corridor X-1 Birmingham North Beltline	8,011,800	8,011,800	
PL 108-7 2003 Omnibus Appropriations Act	PL 108-7	X	54J	Appalachian Regional Corridor X	29,805,000	2,199.13	