



TENNESSEE



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

May 2012
(Data as of September 30, 2011)

Prepared by the Tennessee 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 **Tennessee** as of September 30, 2011 was prepared in accordance with the
2012 ADHS Cost Estimate Guidelines and Software Instruction Manual by the
Tennessee Department of Transportation in cooperation with the
Federal Highway Administration and the Appalachian Regional Commission.

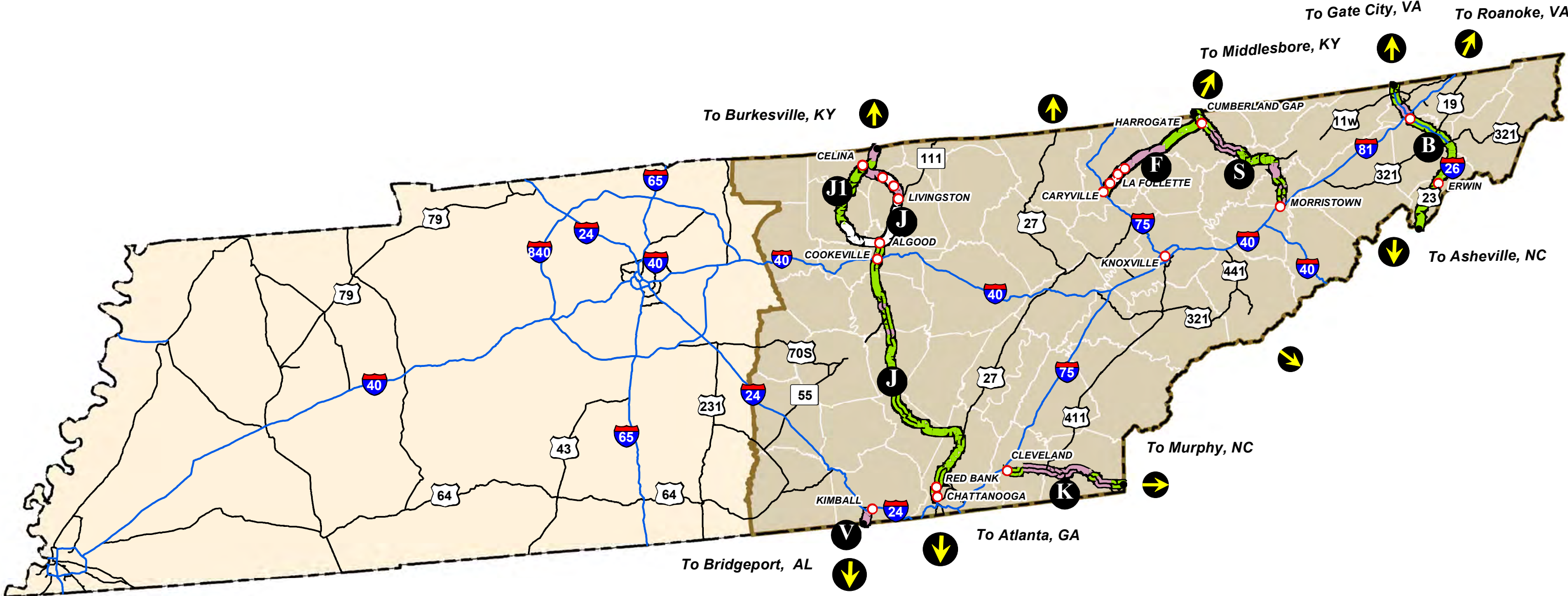
It is the State's full intention to construct all of the Appalachian Development Highway System
corridors herein and to the standards indicated in this Estimate.


John C. Schroer
Commissioner
Tennessee Department Of Transportation


Pamela M. Kordenbrock
Division Administrator
Federal Highway Administration

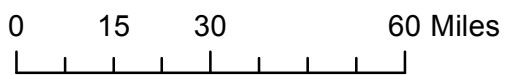
TENNESSEE PORTION OF APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM

STATE OF TENNESSEE



LEGEND FOR APPALACHIAN ROUTES

- | | | |
|--------------------------|-------------------|--------------------------|
| ADHS Route Status | Interstate System | Named Control Point |
| Complete | Other NHS Route | State Line Control Point |
| To be Completed | | ARC Region |
| Nonparticipating | | |



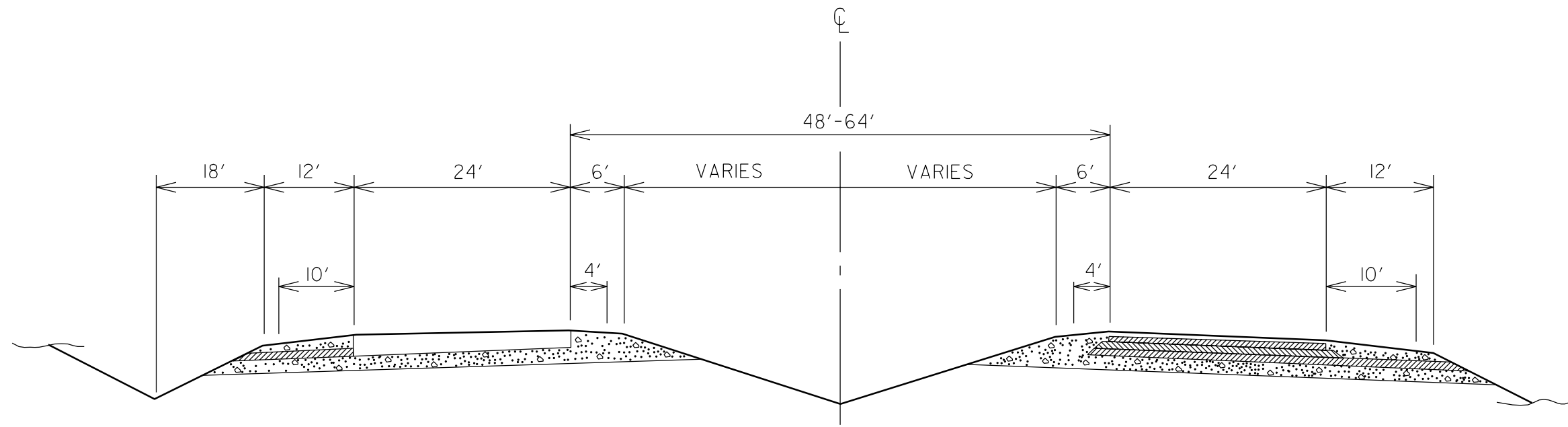
Lambert Conformal Conic regional projection
based on parallels 33 N and 45 N,
central meridian 96 W



TABLE A
Appalachian Corridor Segment Descriptions

State/Commonwealth of Tennessee

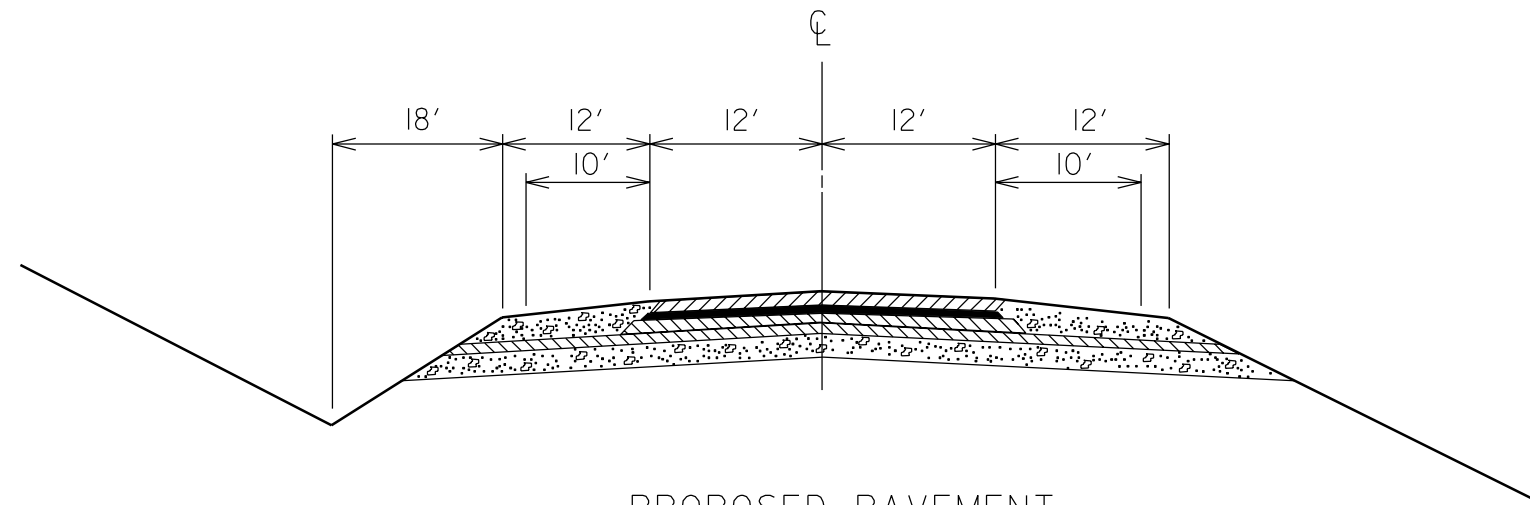
Corridor Letter	Principal Existing Route Numbers	Segment Descriptions	Eligible (miles)	Ineligible (miles)
B	I26, US 23,36,19W, S.R. 36	From North Carolina State Line along I26 to the junction of I26 and I81 in Sullivan Co.	45.9	
B	I26, US 23, 36, 19W S.R. 137	From junction of I26/I81 in Sullivan Co. along I26 and S.R. 137 to Virginia State Line	11.5	
F	US 25W, S.R. 9	From I75 at Caryville along US-25W (S.R. 9) to near the LaFollette southwest urban boundary	3.5	
F	US 25W, S.R. 9	From near the LaFollette southwest urban boundary to South Ave. in LaFollette		3.7
F	US 25W, S.R. 9, 63	From South Ave. in LaFollette to LaFollette northeast urban boundary at Country Club Rd.	2.4	
F	S.R. 63	From Country Club Rd. at LaFollette northeast urban boundary to south of Imperial Heights Rd. in LaFollette		0.5
F	S.R. 63	From south of Imperial Heights Rd. in LaFollette to US 25E (S. R. 32) at the junction with Appalachian Corridor S south of Harrogate	28.1	
F	US 25E, S.R. 32	From S.R. 63 south of Harrogate to the Kentucky State Line	2.8	
J	US 27, S.R. 29	From the southern terminus of the Tennessee River bridge (end of I124) in Chattanooga northeast along US 27 (S.R. 29) to S.R. 8 interchange in Red Bank, Hamilton Co.		2.1
J	US 27,70S, S.R. 29, 8,111	From S.R. 8 interchange in Red Bank along S.R. 8/111 to I40 interchange in Putnam County	92.2	
J	S.R. 111	From I40 interchange in Putnam Co. to Algood city limits	5.1	
J	S.R. 111	From Algood city limits to intersection of S.R. 111 and S.R. 52 (Celina Highway) in Livingston, Overton Co.		16.4
J	S.R. 52	From Intersection of S.R. 111 and S.R. 52 (Celina Highway) in Livingston along S.R. 52 to Intersection of S.R. 52 and Oakley-Allons Rd.	3.4	
J	S.R. 52	From intersection of S.R. 52 and Oakley-Allons Rd. to intersection of S.R.52 and Davis Hollow Rd. in Overton Co.		6.4
J	S.R. 52,53	From Davis Hollow Rd. in Overton County along S.R. 52 through Celina along S.R. 53 to Kentucky State Line	15.2	
J1	P.S.R. 451	From Algood City Limits (Proposed S.R. 451) west to S.R. 56 / S.R. 290 ** The initial routing of Corridor J included the proposed construction of State Route 451 (Sections J26, J27, J27.1, and J28), a segment of 9.7 miles eligible for ADHS funding, linking Algood, north of Cookeville to State Route 56 to the west. The proposed construction was abandoned due to public opposition to the route and the 9.7 miles transferred to the Livingston – Celina link as part of a new routing for Corridor J from Algood to Celina		9.7
J1	S.R. 56	From S.R. 290 to Carthon Jones Lane south of Gainesboro		4.5
J1	S.R. 53	From Carthon Jones Lane south of Gainesboro to the proposed relocated junction with Corridor J	22.9	
K	US 74,64,64BP, S.R. 311,60,40	From Interstate 75 west of Cleveland to North Carolina State Line, including a segment on a proposed new location bypassing the Ocoee Gorge.	43.8	
S	US 25E,11E,11W, S.R. 32,1	From Interstate 81 south of Morristown northwestward to the junction with S.R. 63 and Appalachian Corridor F in Harrogate, Claiborne Co.	48.7	
V	US 72, S.R. 27	From the Alabama State Line to the Interstate 24 interchange in Kimball	3.8	
		Total	329.3	43.3



HALF SECTION
 CONCRETE PAVEMENT
 REFERENCE "A"

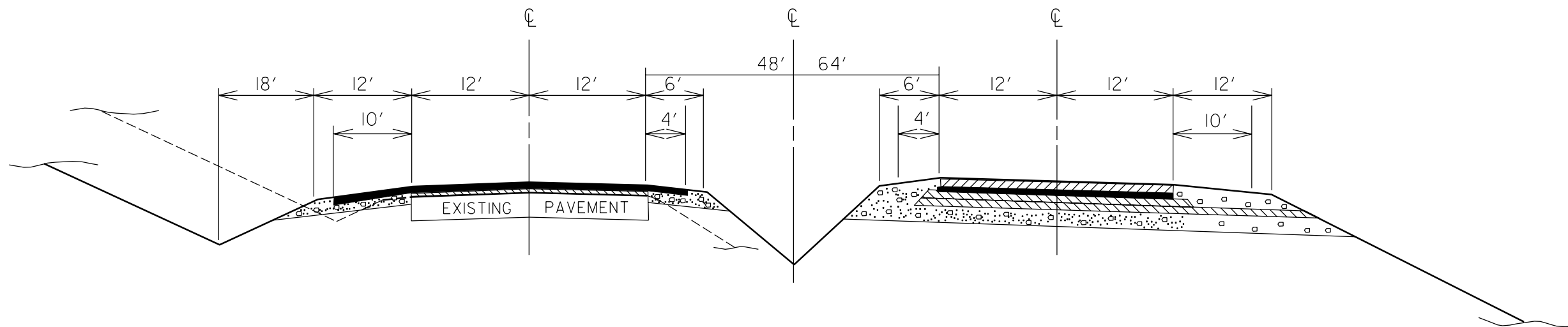
HALF SECTION
 BITUMINOUS PAVEMENT
 REFERENCE "B"

TYPICAL CROSS - SECTION
 NOTE: ACCESS CONTROL- FULL, PARTIAL OR NONE



PROPOSED PAVEMENT
2-LANE ROADWAY
REFERENCE "C"

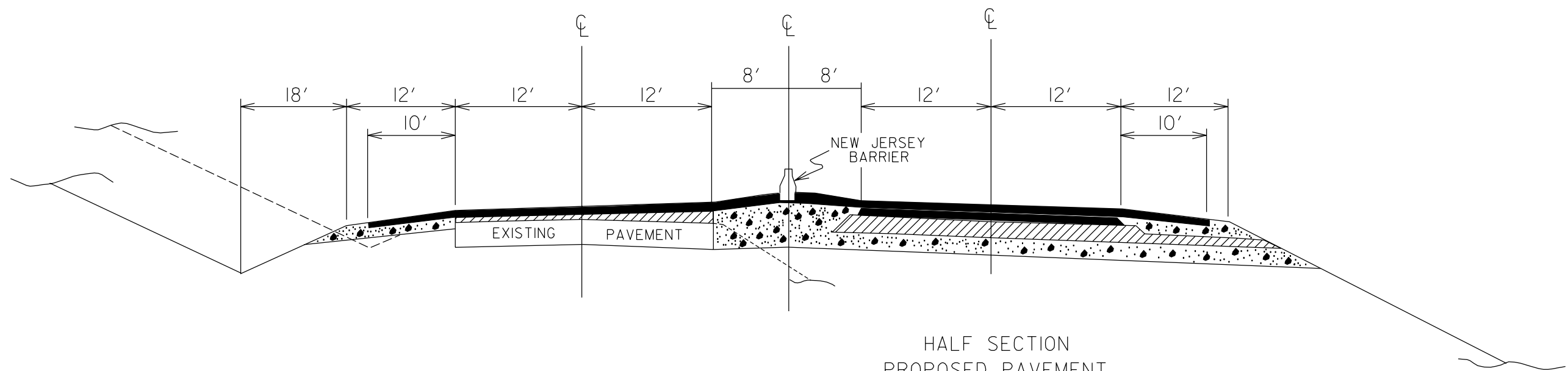
NOTE: ACCESS CONTROL - PARTIAL OR NONE



PROPOSED PAVEMENT
 4-LANE DIVIDED ROADWAY
 (2-LANES EXISTING)

REFERENCE "D"

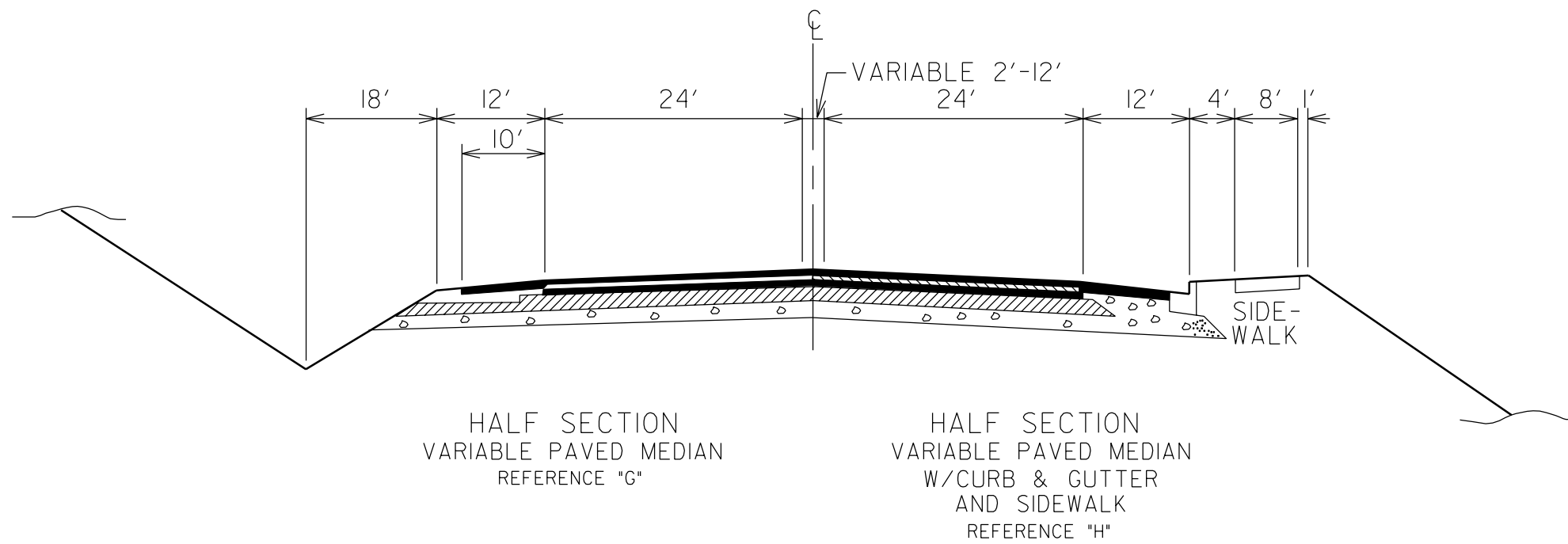
NOTE: ACCESS CONTROL - FULL, PARTIAL OR NONE



HALF SECTION
 PROPOSED PAVEMENT
 4-LANE DIVIDED ROADWAY
 W/ NEW JERSEY BARRIER
 REFERENCE "E"

PROPOSED PAVEMENT
 4-LANE DIVIDED ROADWAY
 W/ NEW JERSEY BARRIER
 REFERENCE "F"

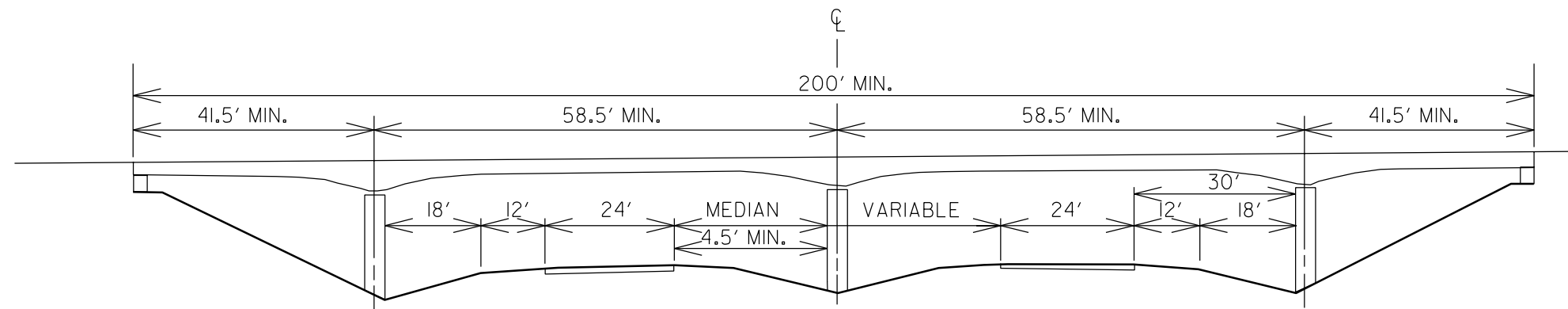
NOTE: ACCESS CONTROL - FULL OR PARTIAL



HALF SECTION
VARIABLE PAVED MEDIAN
REFERENCE "G"

HALF SECTION
VARIABLE PAVED MEDIAN
W/CURB & GUTTER
AND SIDEWALK
REFERENCE "H"

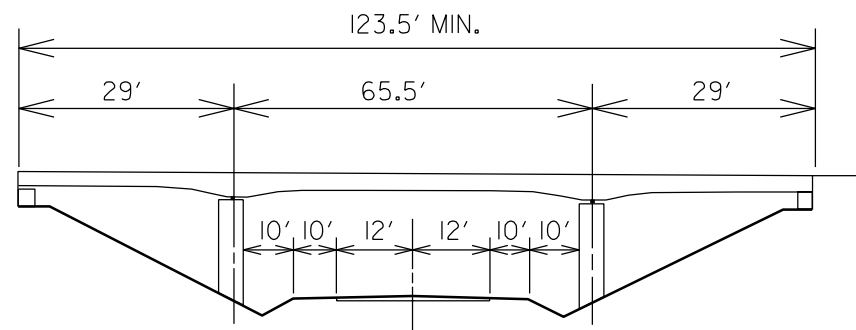
NOTE: ACCESS CONTROL - PARTIAL OR NONE



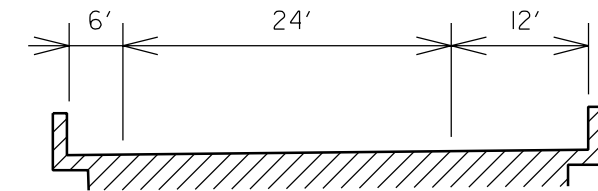
PRIMARY LINDER
 VARIABLE MEDIAN STRIP
 ADT 750 OR MORE



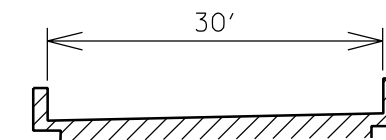
TYPICAL CROSS SECTION
 ROAD OVER INTERSTATE



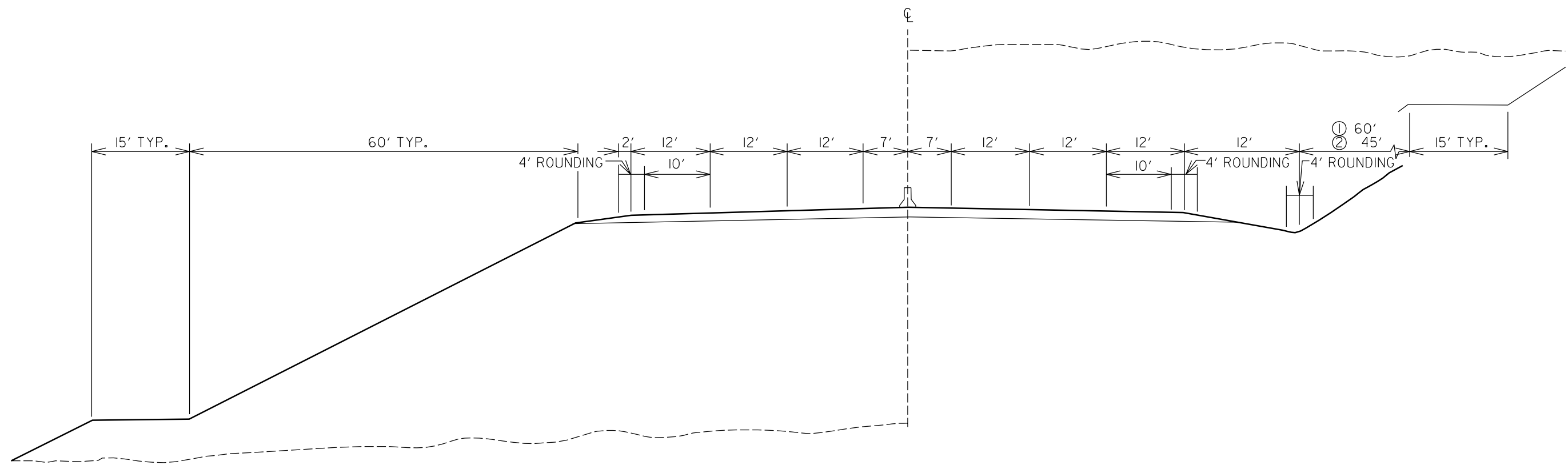
PRIMARY OVER
 TYPICAL CROSS ROAD
 LOW VOLUME ROAD 750 ADT
 OR LESS AND 50 MPH OR LESS



TYPICAL CROSS SECTION
 2-LANE SHORT BRIDGE

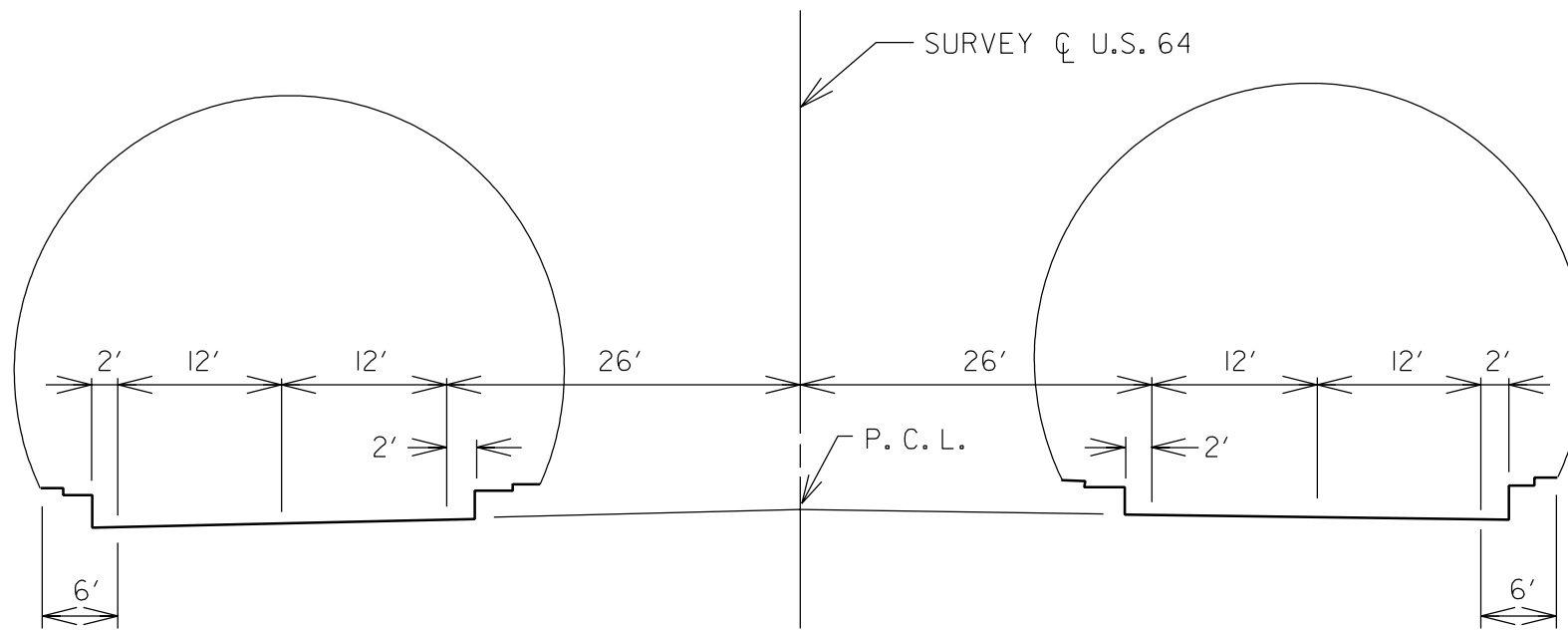


TYPICAL CROSS SECTION
 2-LANE LONG BRIDGE



PROPOSED PAVEMENT
 4-LANE DIVIDED ROADWAY
 W/NEW JERSEY BARRIER
 REFERENCE "I"

NOTE: ACCESS CONTROL - FULL OR PARTIAL



PROPOSED TUNNEL
 REFERENCE "J"

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: B

Section ID	B18.0.0	B19.0.0	B21.0.0	B22.0.0	B23.0.0
LRS Milepoint: Beginning/Ending	3.110/4.040	0.740/3.110	0.220/0.740	0.000/0.220	0.000/3.030
Status	Completed	Completed	Completed	Completed	Completed
1. Finance Code	20	20	20	20	20
2. Section Length(Miles)	0.9	2.4	0.5	0.2	3
3. Class/Urban Code	U/276	U/276	U/276	U/276	U/276
4. Location:					
---- a. FIPS State/County/Congressional	47/163/1	47/163/1	47/163/1	47/163/1	47/163/1
---- b. HPMS Route/Subroute	86I0026001/0	86I0026001/0	86I0026001/0	86I0026001/0	82SR137001/0
---- c. HPMS Signed Route/Strip Map #	1000000026/B4	1000000026/B5	1000000026/B5	1000000026/B5	2000000023/B5
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	70	70	70	70	70
7. Traffic:					
---- a. ADT-Base Year (2010)	21,950	21,950	21,950	21,950	23,600
---- b. ADT-Year 2020	28,500	28,500	28,500	28,500	26,900
---- c. Design Year	2,000	2,000	2,000	2,000	2,000
---- d. ADT-Design Year	23,900	23,900	23,900	23,900	44,600
---- e. DHV-Design Year	2,629	2,629	2,629	2,629	4,460
---- f. % Truck Design Year(DHV)	7	7	7	7	5
---- g. % Truck Design Year(ADT)	10	10	10	10	6
---- h. Directional Distribution Factor	60	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	0	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	B/Full	B/Full	B/Full	B/Full	B/Full
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300
12. Median Width(ft), prevailing	48	48	48	48	48
13. Status of Development(Figure 4)	1a	1a	1a	1a	1a

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

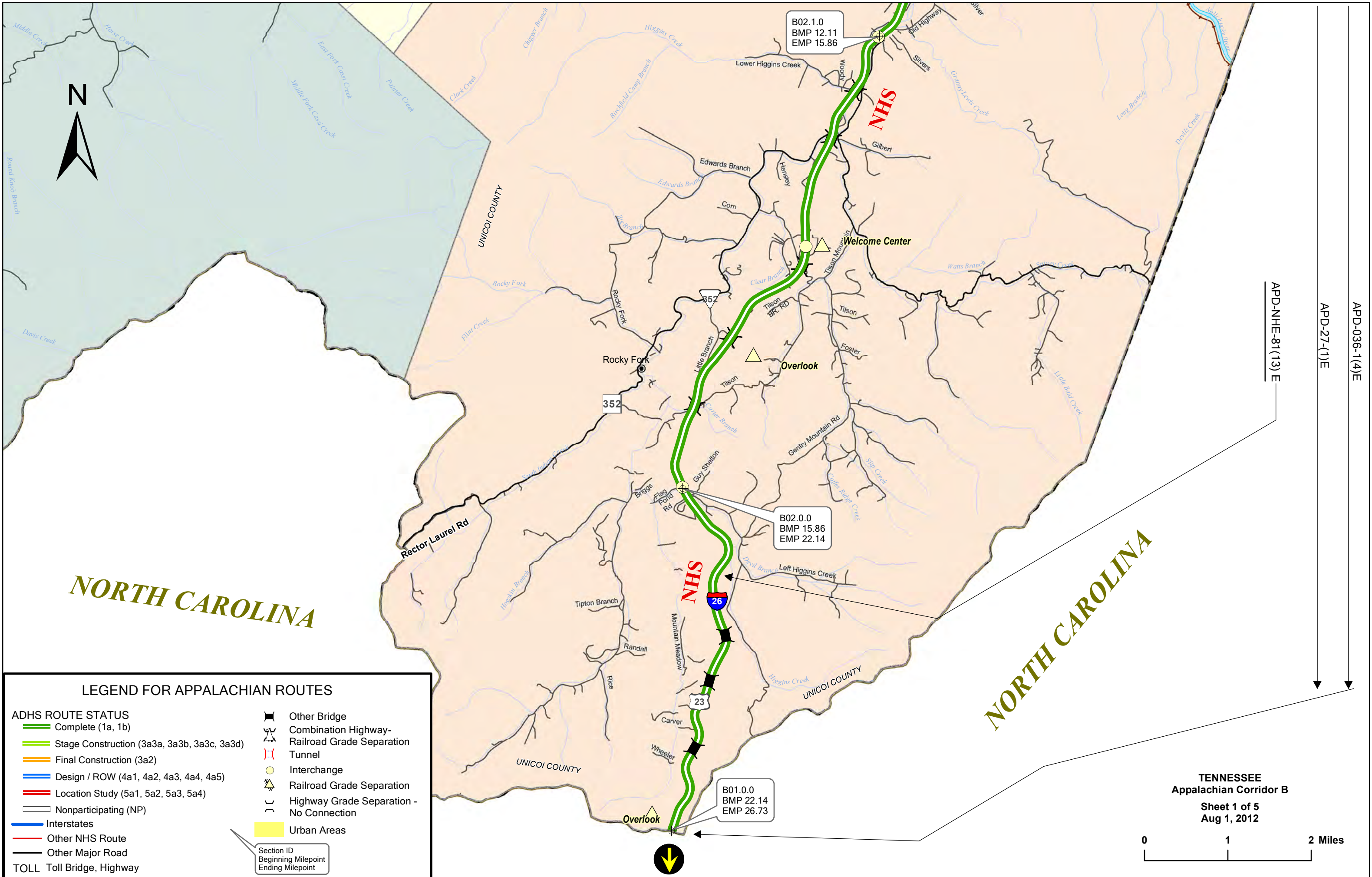
14. Preliminary Engineering:					
---- a. Location	0	0	0	0	0
---- b. Design	0	0	0	0	0
15. Right-of-Way:					
---- a. Acquisition	0	0	0	0	0
---- b. Relocation	0	0	0	0	0
16. Utility Adjustments	0	0	0	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	0	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	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	0	0
23. Traffic Control	0	0	0	0	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)	0	0	0	0	0
28. Construction Engineering(5.00000000% of line 27)	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	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: TN

ADHS Corridor: B

Section ID	Corridor Total	Rural Subtotal	Urban Subtotal
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)	57.40	22.30	35.10
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(5.00000000% of line 27) 29. Total Cost of Construction(lines 27 & 28) 30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	3,000		3,000
	3,000		3,000
	150		150
	3,150		3,150
	3,308		3,308



B02.1.0
BMP 12.11
EMP 15.86

B02.0.0
BMP 15.86
EMP 22.14

B01.0.0
BMP 22.14
EMP 26.73



NORTH CAROLINA

NORTH CAROLINA

LEGEND FOR APPALACHIAN ROUTES

- | | | |
|---|--|---|
| ADHS ROUTE STATUS | | Other Bridge |
| Complete (1a, 1b) | Interchange | Combination Highway-Railroad Grade Separation |
| Stage Construction (3a3a, 3a3b, 3a3c, 3a3d) | Railroad Grade Separation | Tunnel |
| Final Construction (3a2) | Highway Grade Separation - No Connection | Urban Areas |
| Design / ROW (4a1, 4a2, 4a3, 4a4, 4a5) | | |
| Location Study (5a1, 5a2, 5a3, 5a4) | | |
| Nonparticipating (NP) | | |
| Interstates | | |
| Other NHS Route | | |
| Other Major Road | | |
| TOLL Toll Bridge, Highway | | |

Section ID
Beginning Milepoint
Ending Milepoint

APD-NHE-81(13) E

APD-27-(1)E

APD-036-1(4)E

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Appalachian Corridor B
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APD-27-(1)E

APD-036-1(5)R&E

APD-036-1(4)E

APD-27-(3)R&EC

APD-27-(17)CR

APD-27-(2)C

APD-27-(11)C

APD-27-(22)C

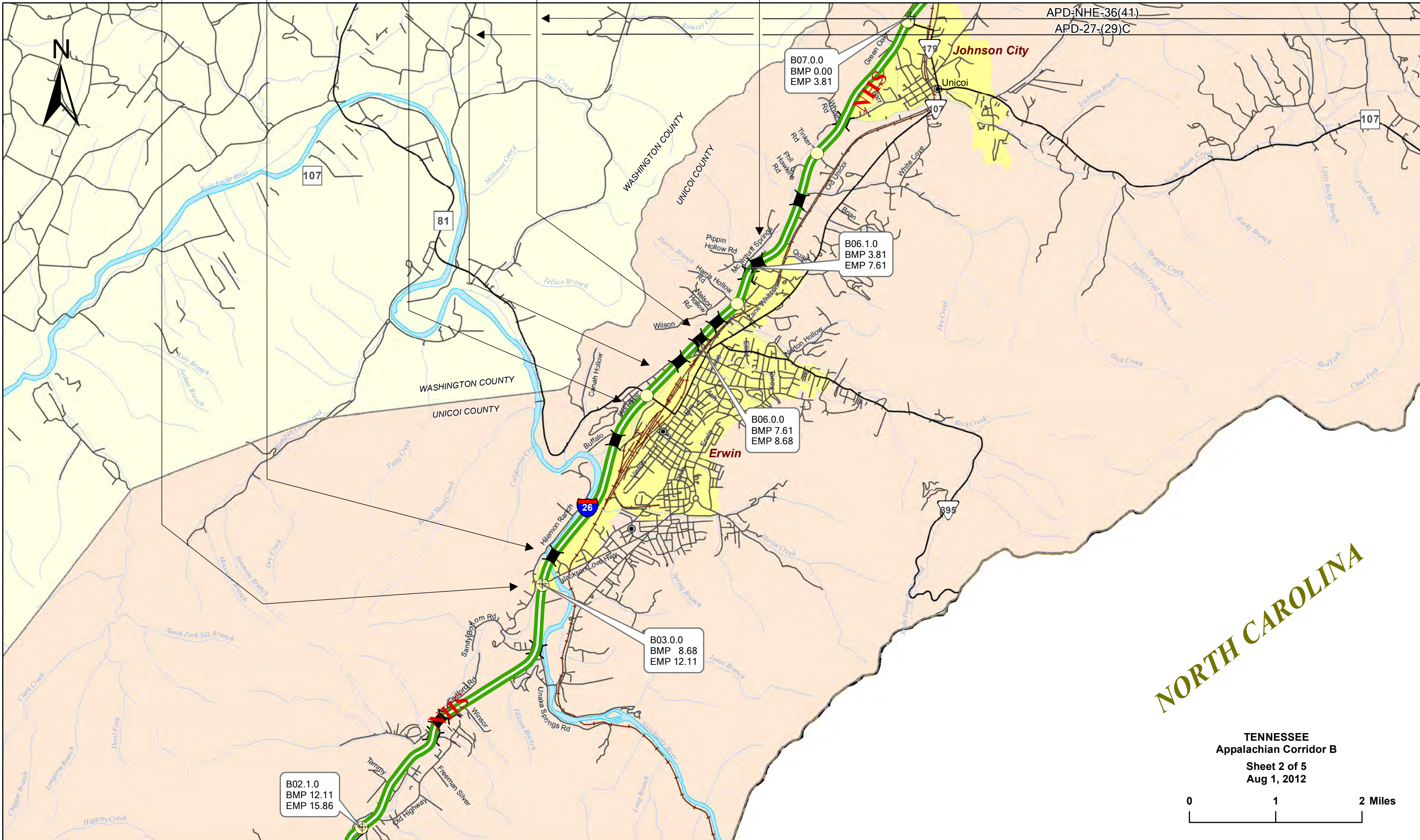
APD-036-1(6)C

APD-036-1(7)C

APD-036-1(8)C

APD:NHE-36(41)

APD-27-(29)C



B07.0.0
BMP 0.00
EMP 3.81

B06.1.0
BMP 3.81
EMP 7.61

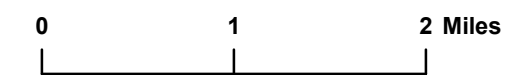
B06.0.0
BMP 7.61
EMP 8.68

B03.0.0
BMP 8.68
EMP 12.11

B02.1.0
BMP 12.11
EMP 15.86

NORTH CAROLINA

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Appalachian Corridor B
Sheet 2 of 5
Aug 1, 2012

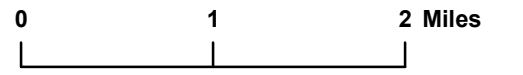
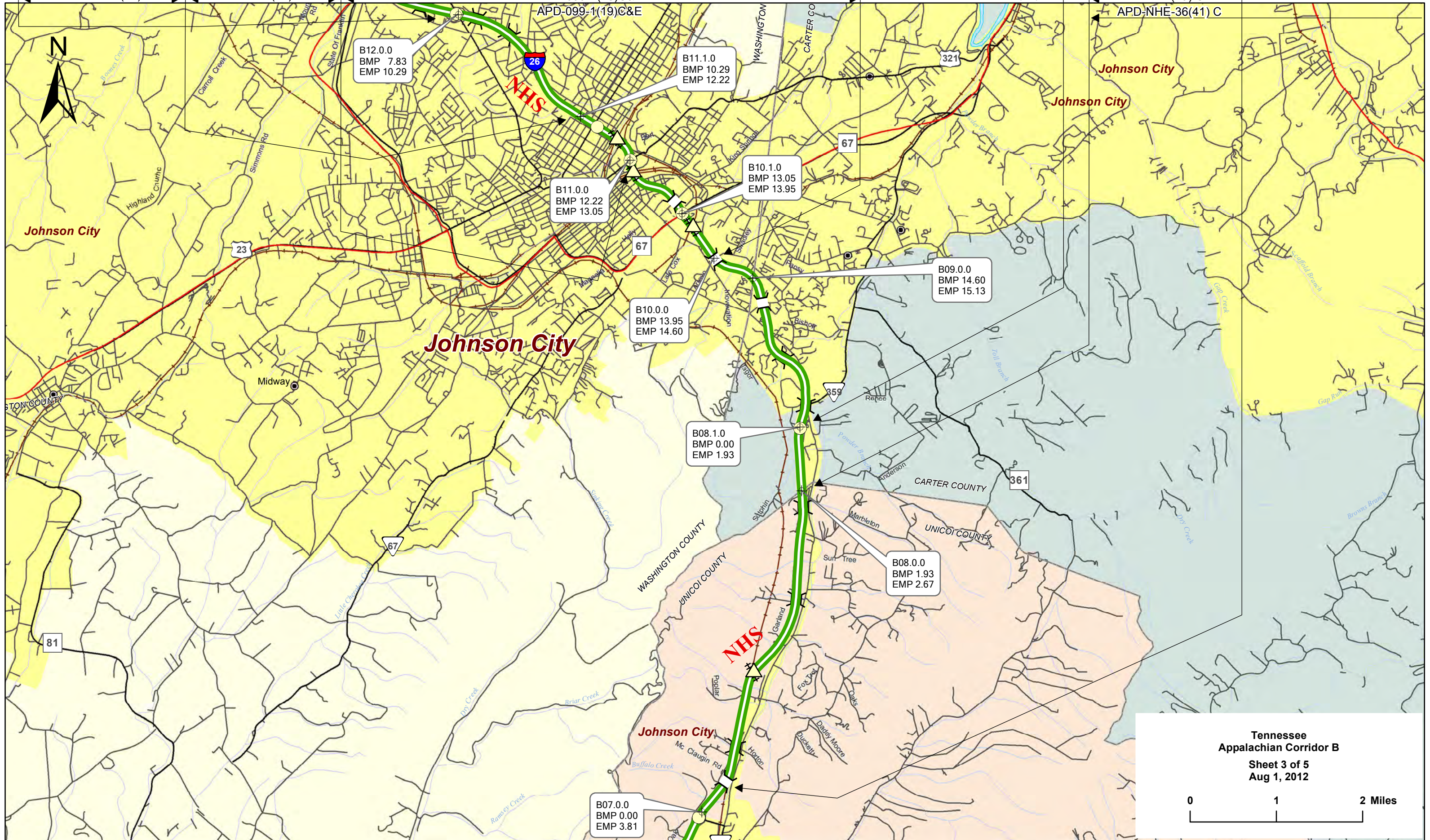


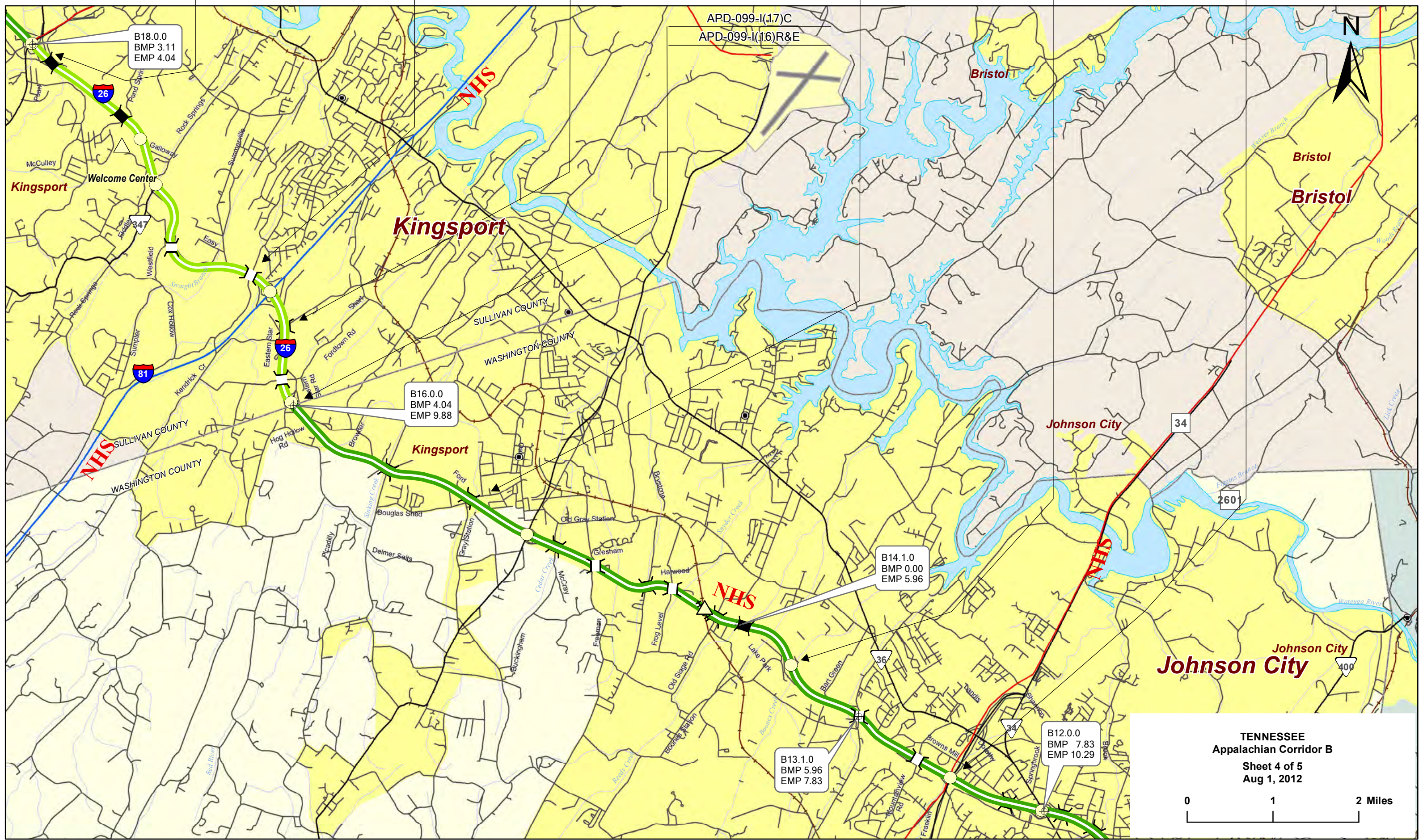
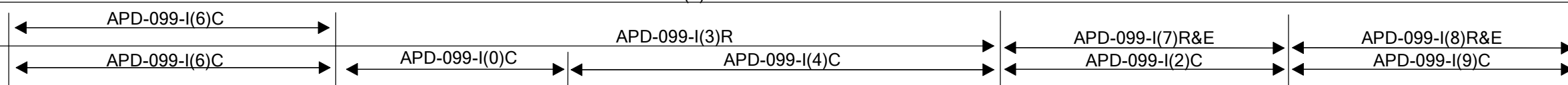
APD-099-1(11)R&E
APD-099-1(20)C
APD-099-1(15)C
APD-099-1(13)C&E

APD-27-(4)C
APD-099-1(14)R&E
APD-099-1(18)C&E
APD-099-1(19)C&E

APD-27-(12)C
APD-29-(30)C

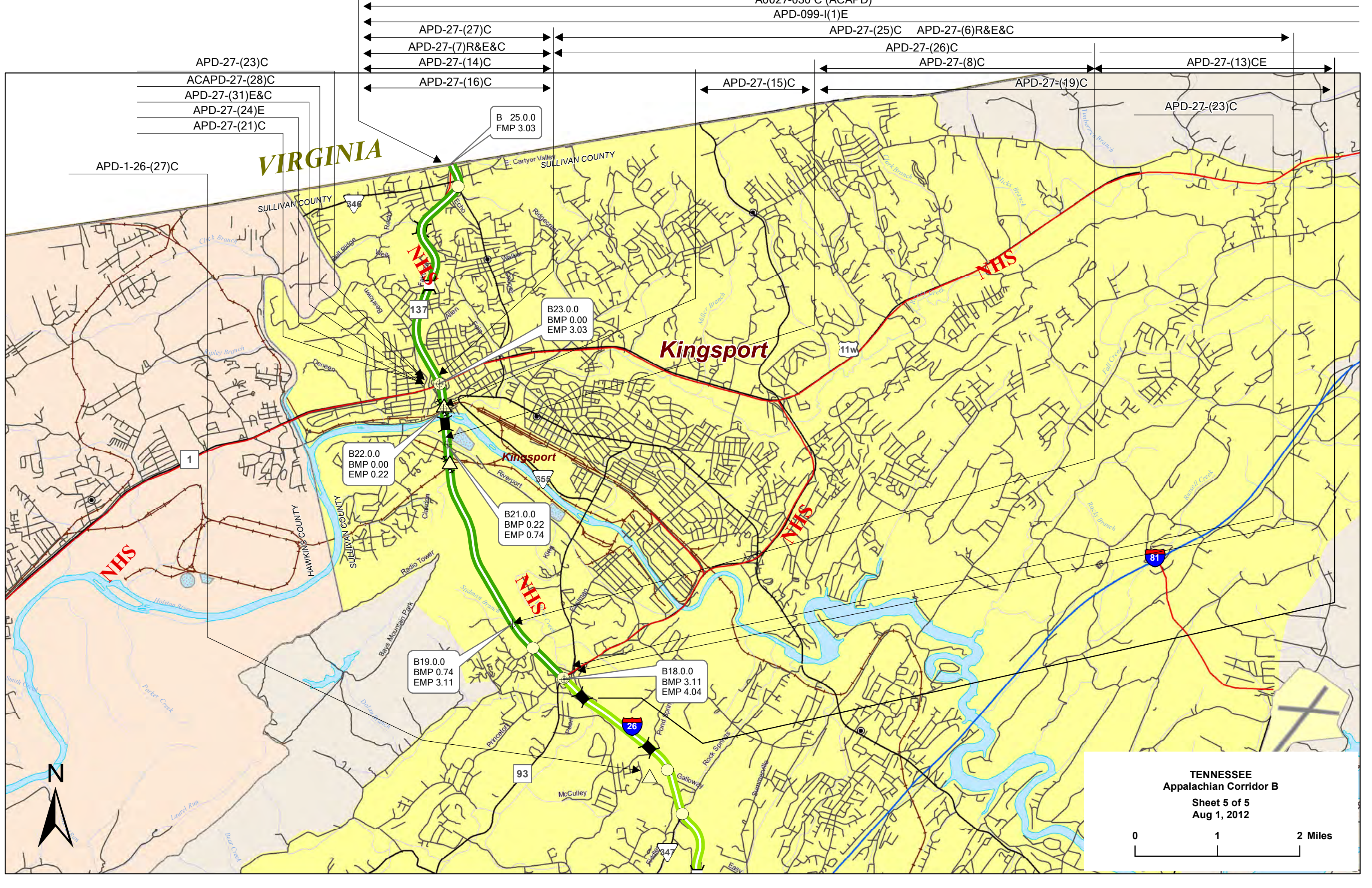
APD-27-(10)E&R&C
APD-27-(18) C
APD-27-(29) C
APD-NHE-36(41) C





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Appalachian Corridor B
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Aug 1, 2012





APD-27-(23)C
 ACAPD-27-(28)C
 APD-27-(31)E&C
 APD-27-(24)E
 APD-27-(21)C

APD-1-26-(27)C

APD-27-(27)C
 APD-27-(7)R&E&C
 APD-27-(14)C
 APD-27-(16)C

APD-27-(15)C

APD-27-(25)C APD-27-(6)R&E&C

APD-27-(26)C
 APD-27-(8)C

APD-27-(19)C

APD-27-(13)CE

APD-27-(23)C

B 25.0.0
 FMP 3.03

B23.0.0
 BMP 0.00
 EMP 3.03

B22.0.0
 BMP 0.00
 EMP 0.22

B21.0.0
 BMP 0.22
 EMP 0.74

B19.0.0
 BMP 0.74
 EMP 3.11

B18.0.0
 BMP 3.11
 EMP 4.04

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 Appalachian Corridor B
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 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: TN

ADHS Corridor: F

Section ID	F01.0.0	F02.0.0	F02.0.1	F02.1.0	F03.0.0	F03.1.0
LRS Milepoint: Beginning/Ending	32.330/28.850	28.850/28.490	28.490/27.940	27.940/25.220	25.220/24.080	6.520/7.780
Status	Completed	NP	NP	NP	Stage Construction	Stage Construction
1. Finance Code	20	20	20	20	21	21
2. Section Length(Miles)	3.5	0.4	0.6	2.7	1.1	1.3
3. Class/Urban Code	R/0	R/0	U/157	U/157	U/157	U/157
4. Location:						
---- a. FIPS State/County/Congressional	47/13/4	47/13/4	47/13/4	47/13/4	47/13/4	47/13/4
---- b. HPMS Route/Subroute	07SR009001/0	07SR009001/0	07SR009001/0	07SR009001/0	07SR009001/0	07SR063001/1
---- c. HPMS Signed Route/Strip Map #	2000000025/F1	2000000025/F1	2000000025/F1	2000000025/F1	2000000025/F1	3000000063/F1
5. Estimate Section/NHS Designation	1/None	2/None	2/None	2/None	1/None	1/None
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	21,900	30,100	30,100	27,700	20,750	18,030
---- b. ADT-Year 2020	26,300	42,090	42,090	38,730	22,830	19,830
---- c. Design Year	2,000	2,000	2,000	2,000	2,030	2,030
---- d. ADT-Design Year	23,900	30,100	30,100	27,700	24,900	21,640
---- e. DHV-Design Year	2,745	3,612	3,612	3,324	2,490	2,164
---- f. % Truck Design Year(DHV)	8	8	8	8	5	1
---- g. % Truck Design Year(ADT)	10	10	10	10	7	2
---- 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	B/None	B/None	G/None	G/None	H/None	H/None
11. Right-of-Way Width(ft), prevailing	150	150	107	107	150	150
12. Median Width(ft), prevailing	40	30	4	4	12	12
13. Status of Development(Figure 4)	1a	np	np	np	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	0	83	54
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	4	4
18. Subbase, Base, Surfacing, Shoulders	0	0	0	0	351	414
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	372	0
23. Traffic Control	0	0	0	0	22	27
24. Environmental Mitigation	0	0	0	0	0	0
25. Roadside Improvements:						
---- a. Landscape Planting	0	0	0	0	19	26
---- b. Rest Area, Overlooks	0	0	0	0	0	0
26. All Other Items	0	0	0	0	62	70
27. Subtotal(lines 17 thru 26)	0	0	0	0	830	541
28. Construction Engineering(5.00000000% of line 27)	0	0	0	0	42	27
29. Total Cost of Construction(lines 27 & 28)	0	0	0	0	872	568
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	0	1,002	653

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: F

Section ID	F04.0.0	F05.0.0	F05.1.0	F06.0.0	F07.0.0	F08.0.0
LRS Milepoint: Beginning/Ending	7.780/8.250	8.250/11.070	11.070/18.290	0.000/4.400	4.400/10.710	10.710/18.150
Status	NP	Stage Construction	Stage Construction	Stage Construction	Completed	Completed
1. Finance Code	20	21	21	21	20	20
2. Section Length(Miles)	0.5	2.8	7.2	4.4	6.3	7.4
3. Class/Urban Code	U/157	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	47/13/4	47/13/4	47/13/4	47/25/3	47/25/3	47/25/3
---- b. HPMS Route/Subroute	07SR063001/1	07SR063001/1	07SR063001/1	13SR063001/0	13SR063001/0	13SR063001/0
---- c. HPMS Signed Route/Strip Map #	3000000063/F1	3000000063/F1	3000000063/F2	3000000063/F2	3000000063/F3	3000000063/F3
5. Estimate Section/NHS Designation	2/None	1/None	1/None	1/None	1/None	1/None
6. Design Speed(mph)	60	60	60	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	15,500	12,280	7,400	4,550	4,450	10,800
---- b. ADT-Year 2020	21,750	13,510	8,140	5,010	6,250	15,120
---- c. Design Year	2,000	2,030	2,030	2,030	2,004	2,004
---- d. ADT-Design Year	15,400	14,740	8,880	5,460	5,100	12,300
---- e. DHV-Design Year	2,002	1,474	888	546	663	1,599
---- f. % Truck Design Year(DHV)	9	6	7	5	14	10
---- g. % Truck Design Year(ADT)	10	9	10	7	16	12
---- h. Directional Distribution Factor	60	60	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	0	2	2	2	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	G/None	G/None	G/None	G/None	G/None	G/None
11. Right-of-Way Width(ft), prevailing	150	250	250	250	250	250
12. Median Width(ft), prevailing	12	12	12	12	12	12
13. Status of Development(Figure 4)	np	3a3a	3a3a	3a3a	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	3,043	4,038	2,807	0	0
18. Subbase, Base, Surfacing, Shoulders	0	2,336	6,008	3,671	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	61	141	71	0	0
24. Environmental Mitigation	0	0	0	0	0	0
25. Roadside Improvements:						
---- a. Landscape Planting	0	77	71	50	0	0
---- b. Rest Area, Overlooks	0	0	2,649	0	0	0
26. All Other Items	0	274	705	431	0	0
27. Subtotal(lines 17 thru 26)	0	5,791	13,612	7,030	0	0
28. Construction Engineering(5.00000000% of line 27)	0	290	681	352	0	0
29. Total Cost of Construction(lines 27 & 28)	0	6,081	14,293	7,382	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	6,385	15,007	7,751	0	0

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: F

Section ID	F09.0.0	F09.1.0
LRS Milepoint: Beginning/Ending	18.060/19.810	19.810/20.780
Status	Completed	Completed
1. Finance Code	20	20
2. Section Length(Miles)	1.8	1
3. Class/Urban Code	R/0	R/0
4. Location:		
---- a. FIPS State/County/Congressional	47/25/3	47/25/3
---- b. HPMS Route/Subroute	13SR032001/0	13SR032001/0
---- c. HPMS Signed Route/Strip Map #	2000000025/F4	3000000025/F4
5. Estimate Section/NHS Designation	1/NHS	1/NHS
6. Design Speed(mph)	60	60
7. Traffic:		
---- a. ADT-Base Year (2010)	33,400	20,000
---- b. ADT-Year 2020	42,750	25,600
---- c. Design Year	2,000	2,007
---- d. ADT-Design Year	45,700	39,000
---- e. DHV-Design Year	5,484	4,680
---- f. % Truck Design Year(DHV)	10	8
---- g. % Truck Design Year(ADT)	12	12
---- h. Directional Distribution Factor	60	60
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/None	G/Full
11. Right-of-Way Width(ft), prevailing	150	300
12. Median Width(ft), prevailing	30	54
13. Status of Development(Figure 4)	1a	1a

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

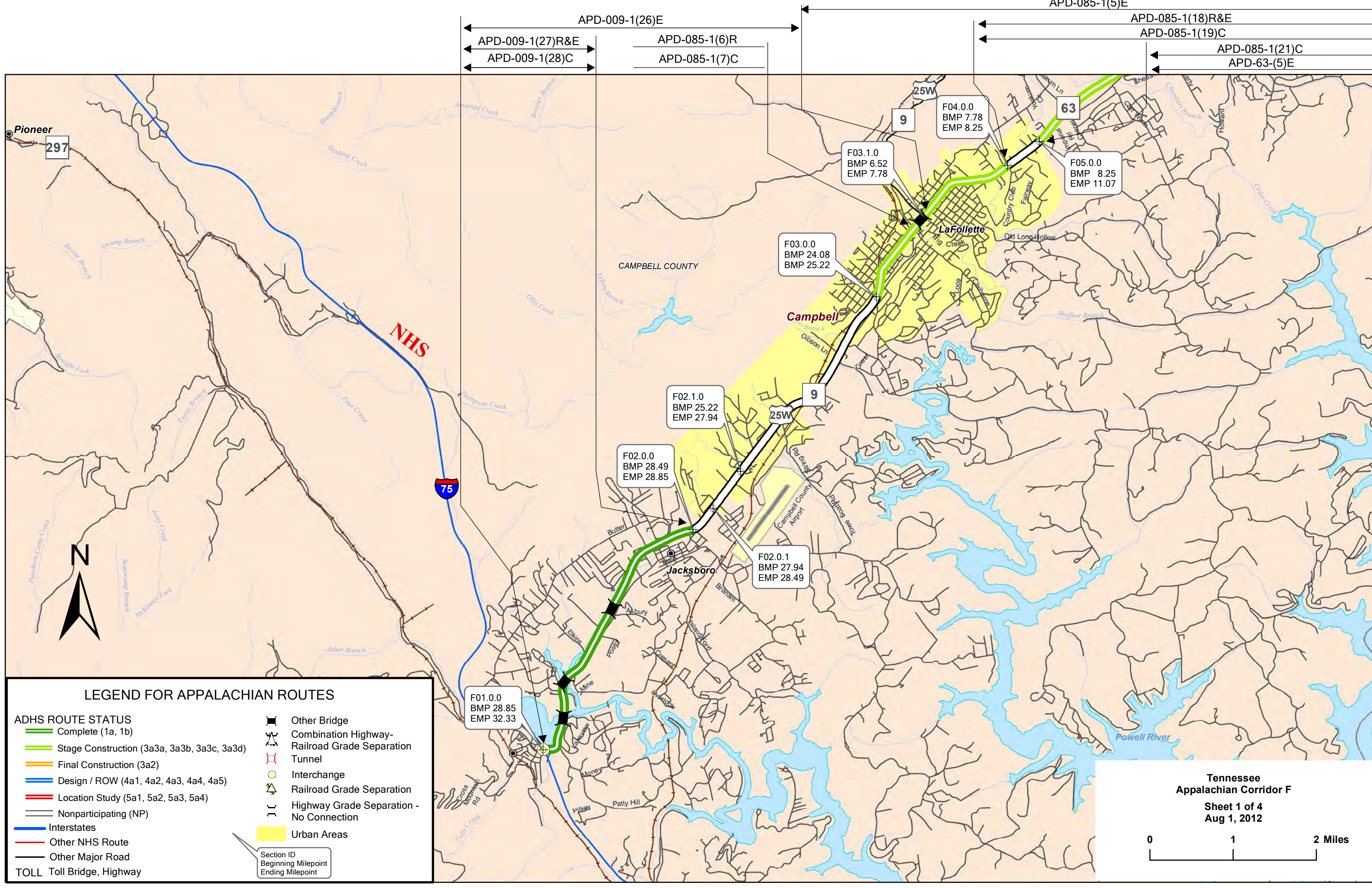
14. Preliminary Engineering:		
---- a. Location	0	0
---- b. Design	0	0
15. Right-of-Way:		
---- a. Acquisition	0	0
---- b. Relocation	0	0
16. Utility Adjustments	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0
19. Railroad Grade Separations	0	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(5.00000000% 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

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: F

Section ID LRS Milepoint	Corridor Total	Rural Subtotal	Urban Subtotal
1. Finance Code			
2. Section Length(Miles)	41.00	34.80	6.20
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	137		137
15. Right-of-Way:			
---- a. Acquisition			
---- b. Relocation			
16. Utility Adjustments			
17. Erosion Control/Clear/Grade/Drain/Minor Structure	9,896	9,888	8
18. Subbase, Base, Surfacing, Shoulders	12,780	12,015	765
19. Railroad Grade Separations			
20. Highway Grade Separations without Ramps			
21. Interchanges			
22. Other Bridges, Tunnels, and Walls	372		372
23. Traffic Control	322	273	49
24. Environmental Mitigation			
25. Roadside Improvements:			
---- a. Landscape Planting	243	198	45
---- b. Rest Area, Overlooks	2,649	2,649	
26. All Other Items	1,542	1,410	132
27. Subtotal(lines 17 thru 26)	27,804	26,433	1,371
28. Construction Engineering(5.00000000% of line 27)	1,390	1,322	69
29. Total Cost of Construction(lines 27 & 28)	29,194	27,755	1,440
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	30,798	29,142	1,655



APD-009-1(26)E

APD-009-1(27)R&E

APD-009-1(28)C

APD-085-1(6)R

APD-085-1(7)C

APD-085-1(5)E

APD-085-1(18)R&E

APD-085-1(19)C

APD-085-1(21)C

APD-63-(5)E

Pioneer

297

NHS

75

9

63

LaFollette

Campbell

25W

9

Jacksboro

F01.0.0
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EMP 32.33

F02.0.0
BMP 28.49
EMP 28.85

F02.1.0
BMP 25.22
EMP 27.94

F02.0.1
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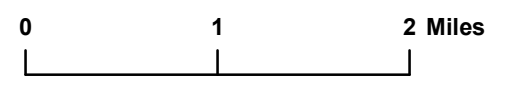
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EMP 8.25

F05.0.0
BMP 8.25
EMP 11.07

LEGEND FOR APPALACHIAN ROUTES

- ADHS ROUTE STATUS**
- Complete (1a, 1b)
 - Stage Construction (3a3a, 3a3b, 3a3c, 3a3d)
 - Final Construction (3a2)
 - Design / ROW (4a1, 4a2, 4a3, 4a4, 4a5)
 - Location Study (5a1, 5a2, 5a3, 5a4)
 - Nonparticipating (NP)
 - Interstates
 - Other NHS Route
 - Other Major Road
- TOLL** Toll Bridge, Highway
- Other Bridge
 - Combination Highway-Railroad Grade Separation
 - Tunnel
 - Interchange
 - Railroad Grade Separation
 - Highway Grade Separation - No Connection
 - Urban Areas
- Section ID
Beginning Milepoint
Ending Milepoint

Tennessee
Appalachian Corridor F
Sheet 1 of 4
Aug 1, 2012



APD-085-1(18)R&E

APD-085-1(19)C

APD-085-1(21)C

APD-085-1(5)E

APD-085-1(16)E

APD-085-1(17)C

APD-56-(2)C

APD-63-(5)E

APD-085-1(14)R&E

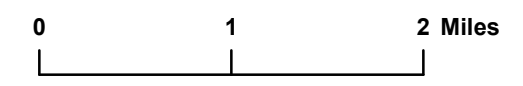
APD-085-1(15)C

APD-085-1(20)C

APD-63-(6)E



Tennessee
Appalachian Corridor F
Sheet 2 of 4
Aug 1, 2012



63

F05.0.0
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EMP 11.07

F05.1.0
BMP 11.07
EMP 18.29

F06.0.0
BMP 0
EMP 4.4

F07.0.0
BMP 4.40
EMP 10.71

APS-085-1(14)R&E

APD-085-1(15)C

APD-085-1(20)C

APD-63-1(6)E

APD-085-1(8)R

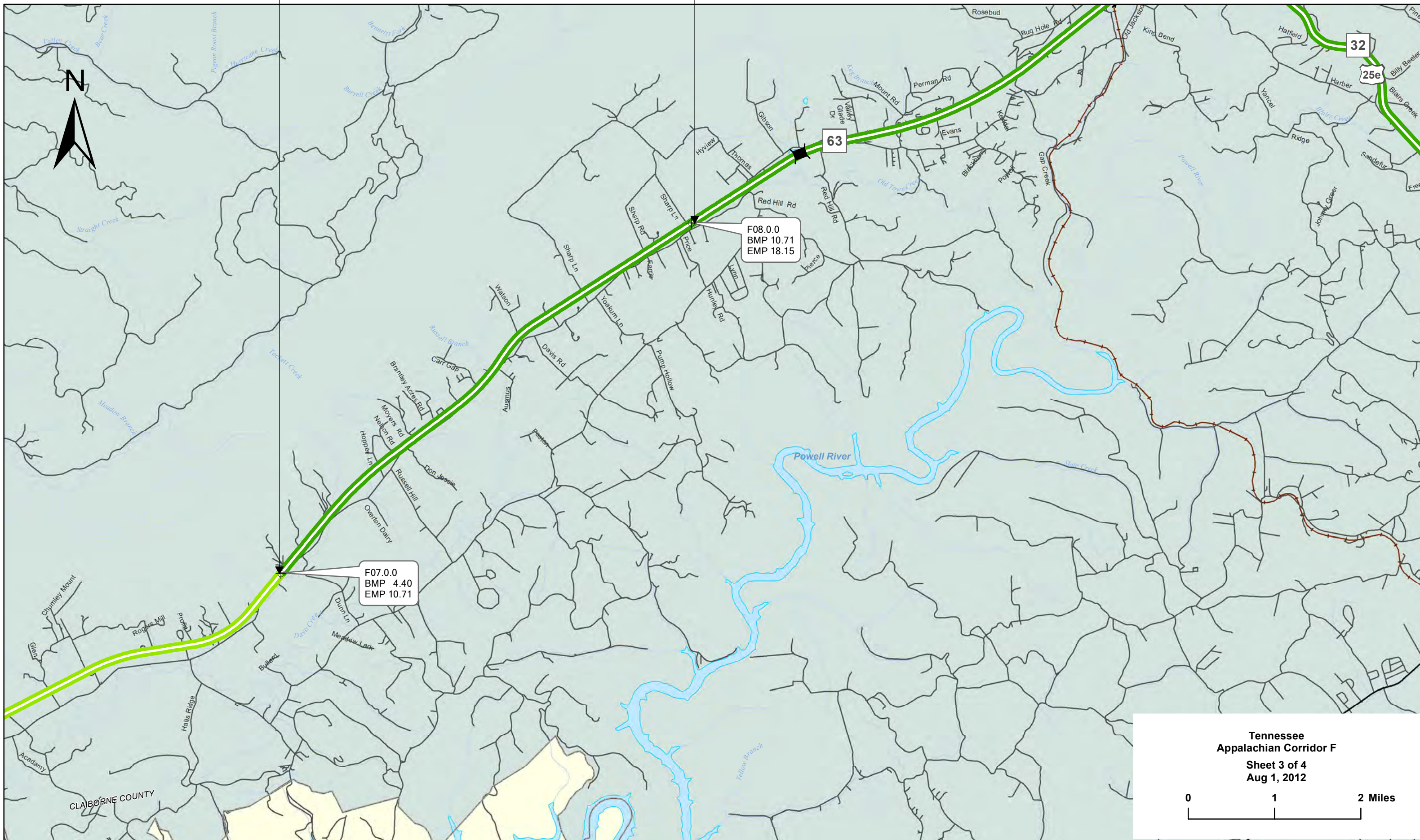
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APD-085-1(22)C

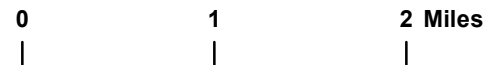
APD-085-1(10)R

APD-085-1(11)C

085-1023 C (ADAPD)



**Tennessee
Appalachian Corridor F**
Sheet 3 of 4
Aug 1, 2012



APD 085-I(10)R
APD 085-I(11)C
085-1023 C (ACAPD)

APD 032-3(10)E
APD 032-3(5)R
APD 032-3(6)C



KENTUCKY

VIRGINIA



Cumberland Gap

F09.1.0
BMP 19.81
EMP 20.78

F09.0.0
BMP 18.06
EMP 19.81

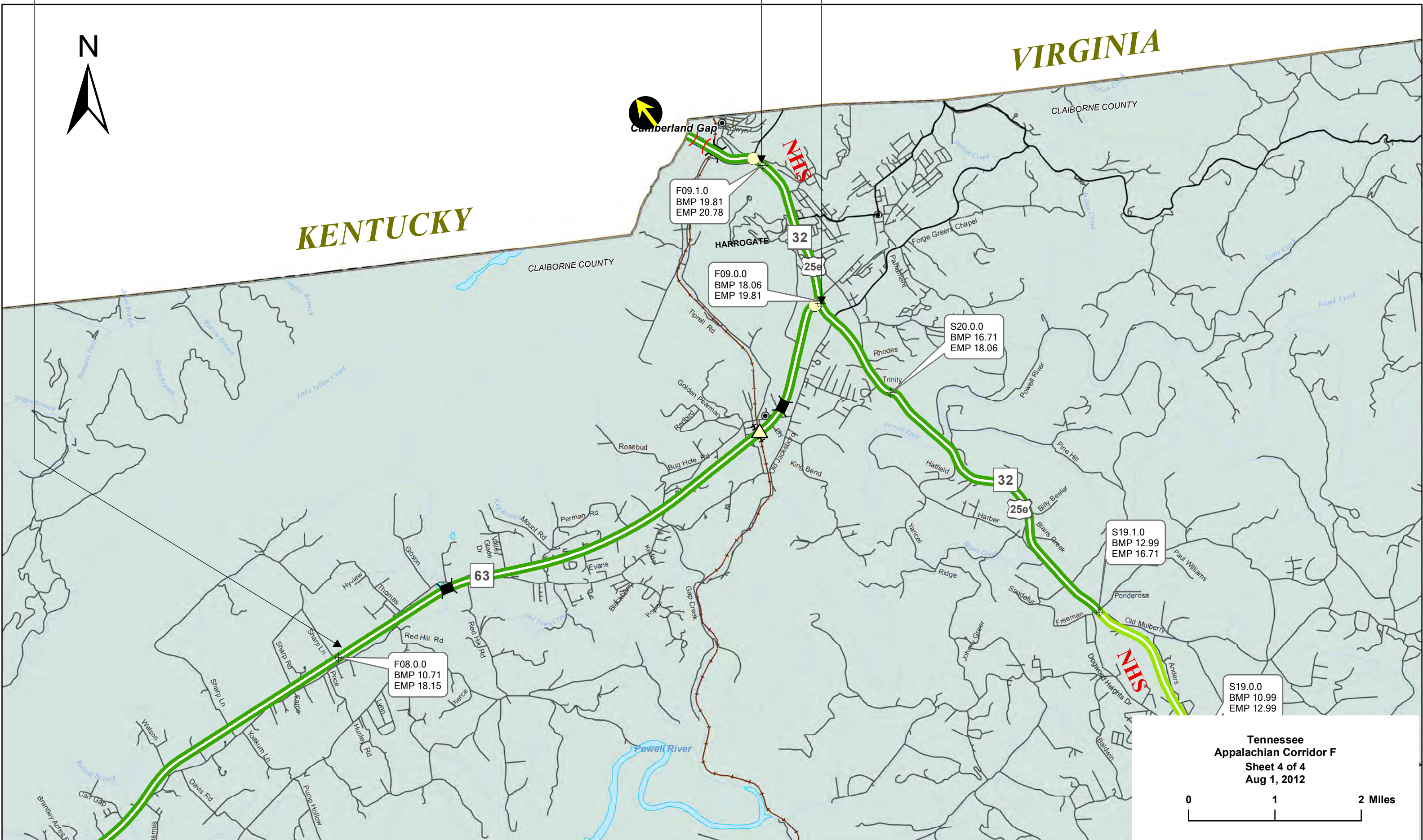
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F08.0.0
BMP 10.71
EMP 18.15

S19.0.0
BMP 10.99
EMP 12.99

**Tennessee
Appalachian Corridor F
Sheet 4 of 4
Aug 1, 2012**



2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: J

Section ID	J14.1.0	J15.0.0	J16.0.0	J17.0.0	J18.0.0	J18.1.0
LRS Milepoint: Beginning/Ending	8.780/12.410	12.410/13.960	13.960/17.840	17.840/19.540	0.000/1.800	1.800/3.900
Status	Completed	Completed	Completed	Stage Construction	Completed	Completed
1. Finance Code	20	20	20	21	20	20
2. Section Length(Miles)	3.6	1.6	3.9	1.7	1.8	2.1
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	47/175/4	47/175/4	47/175/4	47/175/4	47/185/4	47/185/4
---- b. HPMS Route/Subroute	88SR111001/0	88SR111001/0	88SR111001/0	88SR111001/0	93SR111001/0	93SR111001/0
---- c. HPMS Signed Route/Strip Map #	3000000111/J5	3000000111/J6	3000000111/J6	3000000111/J6	3000000111/J6	3000000111/J6
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	70	70	70	50	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	7,350	7,350	6,900	5,160	8,700	8,700
---- b. ADT-Year 2020	14,700	14,700	13,800	5,680	16,530	16,530
---- c. Design Year	2,004	2,004	2,004	2,030	2,007	2,007
---- d. ADT-Design Year	9,300	9,300	8,700	6,190	10,900	10,900
---- e. DHV-Design Year	1,209	1,209	1,131	619	1,417	1,417
---- f. % Truck Design Year(DHV)	10	10	10	8	10	10
---- g. % Truck Design Year(ADT)	12	12	12	12	12	12
---- 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	B/None	C/None	C/None	B/None	B/None	B/None
11. Right-of-Way Width(ft), prevailing	300	120	120	300	300	300
12. Median Width(ft), prevailing	48	0	0	64	64	64
13. Status of Development(Figure 4)	1a	1a	1a	3a3a	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	1,260	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	2,282	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	9,140	0	0
22. Other Bridges, Tunnels, and Walls	0	0	0	0	0	0
23. Traffic Control	0	0	0	107	0	0
24. Environmental Mitigation	0	0	0	0	0	0
25. Roadside Improvements:						
---- a. Landscape Planting	0	0	0	30	0	0
---- b. Rest Area, Overlooks	0	0	0	0	0	0
26. All Other Items	0	0	0	1,047	0	0
27. Subtotal(lines 17 thru 26)	0	0	0	12,606	0	0
28. Construction Engineering(5.00000000% of line 27)	0	0	0	630	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	0	13,236	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	15,221	0	0

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: J

Section ID	J20.0.0	J20.1.0	J21.0.0	J21.1.0	J21.2.0	J21.3.0
LRS Milepoint: Beginning/Ending	3.900/6.050	6.050/6.650	6.650/7.270	7.270/8.310	8.310/9.980	9.980/10.590
Status	Completed	Completed	Stage Construction	Stage Construction	Completed	Completed
1. Finance Code	20	20	21	21	20	20
2. Section Length(Miles)	2.1	0.6	0.6	1	1.7	0.6
3. Class/Urban Code	R/0	U/277	U/277	U/277	U/277	U/277
4. Location:						
---- a. FIPS State/County/Congressional	47/185/4	47/185/4	47/185/4	47/185/4	47/185/4	47/185/4
---- b. HPMS Route/Subroute	93SR111001/0	93SR111001/0	93SR111001/0	93SR111001/0	93SR111001/0	93SR111001/0
---- c. HPMS Signed Route/Strip Map #	3000000111/J7	3000000111/J7	3000000111/J7	3000000111/J7	3000000111/J7	3000000111/J7
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	70	70	70	60	60	60
7. Traffic:						
---- a. ADT-Base Year (2010)	13,000	13,000	11,820	11,820	16,350	16,350
---- b. ADT-Year 2020	37,450	37,540	13,120	13,120	27,840	27,840
---- c. Design Year	2,004	2,004	2,030	2,030	2,000	2,000
---- d. ADT-Design Year	11,800	11,800	14,420	14,420	16,100	16,100
---- e. DHV-Design Year	1,534	1,534	1,442	1,442	2,093	2,093
---- f. % Truck Design Year(DHV)	10	10	7	7	9	9
---- g. % Truck Design Year(ADT)	12	12	11	11	12	12
---- 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	B/None	B/None	B/Partial	B/Partial	B/Partial	B/Full
11. Right-of-Way Width(ft), prevailing	120	120	120	300	300	300
12. Median Width(ft), prevailing	48	48	48	64	64	64
13. Status of Development(Figure 4)	1a	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	0	0	136	183	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	266	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	186	310	0	0
19. Railroad Grade Separations	0	0	975	0	0	0
20. Highway Grade Separations without Ramps	0	0	0	1,019	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	107	107	0	0
24. Environmental Mitigation	0	0	0	0	0	0
25. Roadside Improvements:						
---- a. Landscape Planting	0	0	33	33	0	0
---- b. Rest Area, Overlooks	0	0	0	0	0	0
26. All Other Items	0	0	57	96	0	0
27. Subtotal(lines 17 thru 26)	0	0	1,358	1,831	0	0
28. Construction Engineering(5.00000000% of line 27)	0	0	68	92	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	1,426	1,923	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	1,640	2,211	0	0

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: J

Section ID	J26.5.0	J26.6.0	J26.7.0	J26.8.0	J26.9.0	J26.9.1
LRS Milepoint: Beginning/Ending	10.160/8.132	8.132/6.758	6.758/0.402	0.402/0.000	5.896/0.000	20.710/20.570
Status	Design/RoW	Design/RoW	NP	Final Construction	Final Construction	Completed
1. Finance Code	22	22	20	20	20	20
2. Section Length(Miles)	2	1.4	6.4	0.4	5.9	0.1
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	47/133/06	47/133/06	47/133/06	47/133/06	47/027/06	47/27/6
---- b. HPMS Route/Subroute	67SR052001/00	67SR052001/00	67SR052001/00	67SR052001/00	14SR052001/00	14SR052001/0
---- c. HPMS Signed Route/Strip Map #	3000000052/J10	3000000052/J10	3000000052/J10	3000000052/J11	3000000052/J11	3000000052/J11
5. Estimate Section/NHS Designation	1/None	1/None	2/None	1/None	1/None	1/None
6. Design Speed(mph)	60	60	60	60	60	50
7. Traffic:						
---- a. ADT-Base Year (2010)	7,520	5,540	4,550	3,980	3,430	6,500
---- b. ADT-Year 2020	8,270	6,090	7,800	4,380	3,770	11,100
---- c. Design Year	2,030	2,030	2,028	2,030	2,030	2,000
---- d. ADT-Design Year	9,020	6,650	9,300	4,780	4,120	8,900
---- e. DHV-Design Year	992	732	930	478	412	1,157
---- f. % Truck Design Year(DHV)	5	6	9	5	6	7
---- g. % Truck Design Year(ADT)	7	9	14	8	9	10
---- h. Directional Distribution Factor	55	55	55	55	55	60
8. Number of Lanes to be Constructed this Estimate	4	4	0	0	4	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	2
10. Typical X-Section of Reference/Access Control	B/None	B/None	B/None	B/None	B/None	C/None
11. Right-of-Way Width(ft), prevailing	300	300	300	300	300	200
12. Median Width(ft), prevailing	64	48	48	48	48	0
13. Status of Development(Figure 4)	4a3	4a3	np	3a2	3a2	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	3,408	2,310	0	0	0	0
---- b. Relocation	258	175	0	0	0	0
16. Utility Adjustments	1,022	642	0	0	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	6,933	4,697	0	0	0	0
18. Subbase, Base, Surfacing, Shoulders	3,942	2,671	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	123	83	0	0	0	0
24. Environmental Mitigation	0	0	0	0	0	0
25. Roadside Improvements:						
---- a. Landscape Planting	80	55	0	0	0	0
---- b. Rest Area, Overlooks	0	0	0	0	0	0
26. All Other Items	781	529	0	0	0	0
27. Subtotal(lines 17 thru 26)	11,859	8,035	0	0	0	0
28. Construction Engineering(5.00000000% of line 27)	593	402	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	12,452	8,437	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	17,997	12,142	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: TN

ADHS Corridor: J

Section ID	J37.1.0	J38.0.0	J39.0.0	J39.1.0
LRS Milepoint: Beginning/Ending	6.790/7.920	7.920/8.150	8.150/10.970	10.970/15.640
Status	Completed	Completed	Completed	Stage Construction
1. Finance Code	20	20	20	21
2. Section Length(Miles)	1.1	0.2	2.8	4.7
3. Class/Urban Code	R/0	R/0	R/0	R/0
4. Location:				
---- a. FIPS State/County/Congressional	47/27/6	47/27/6	47/27/6	47/27/6
---- b. HPMS Route/Subroute	14SR053001/1	14SR053001/1	14SR053001/1	14SR053001/1
---- c. HPMS Signed Route/Strip Map #	3000000053/J11	3000000053/J11	3000000053/J11	3000000053/J12
5. Estimate Section/NHS Designation	1/None	1/None	1/None	1/None
6. Design Speed(mph)	50	50	60	60
7. Traffic:				
---- a. ADT-Base Year (2010)	8,800	8,800	6,500	1,680
---- b. ADT-Year 2020	15,030	15,030	11,100	1,850
---- c. Design Year	2,000	2,000	2,006	2,030
---- d. ADT-Design Year	8,900	8,900	8,500	2,020
---- e. DHV-Design Year	1,157	1,157	1,105	222
---- f. % Truck Design Year(DHV)	7	7	6	6
---- g. % Truck Design Year(ADT)	10	10	9	9
---- h. Directional Distribution Factor	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	0	0	0	0
9. Ultimate Number of Through Traffic Lanes	2	2	2	2
10. Typical X-Section of Reference/Access Control	C/None	C/None	C/None	C/None
11. Right-of-Way Width(ft), prevailing	200	200	200	200
12. Median Width(ft), prevailing	0	0	0	0
13. Status of Development(Figure 4)	1a	1a	1a	3a3a

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

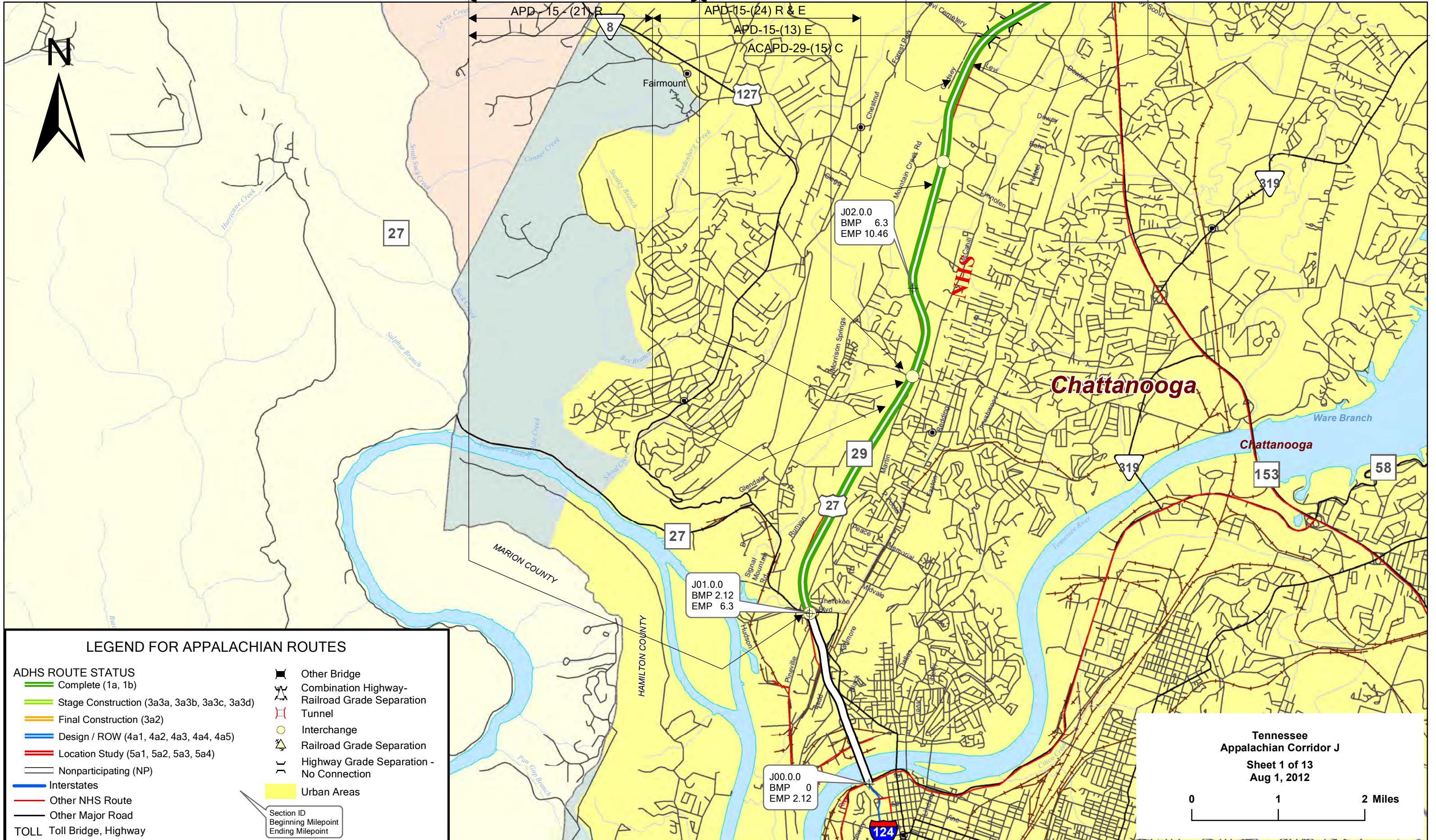
14. Preliminary Engineering:				
---- a. Location	0	0	0	0
---- b. Design	0	0	0	417
15. Right-of-Way:				
---- a. Acquisition	0	0	0	0
---- b. Relocation	0	0	0	0
16. Utility Adjustments	0	0	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	0	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	0	729
19. Railroad Grade Separations	0	0	0	0
20. Highway Grade Separations without Ramps	0	0	0	0
21. Interchanges	0	0	0	0
22. Other Bridges, Tunnels, and Walls	0	0	0	0
23. Traffic Control	0	0	0	71
24. Environmental Mitigation	0	0	0	0
25. Roadside Improvements:				
---- a. Landscape Planting	0	0	0	33
---- b. Rest Area, Overlooks	0	0	0	3,111
26. All Other Items	0	0	0	224
27. Subtotal(lines 17 thru 26)	0	0	0	4,168
28. Construction Engineering(5.00000000% of line 27)	0	0	0	208
29. Total Cost of Construction(lines 27 & 28)	0	0	0	4,376
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	0	5,033

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: J

Section ID LRS Milepoint	Corridor Total	Rural Subtotal	Urban Subtotal
1. Finance Code			
2. Section Length(Miles)	140.80	105.80	35.00
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	1,996	1,677	319
15. Right-of-Way:			
---- a. Acquisition	5,718	5,718	
---- b. Relocation	433	433	
16. Utility Adjustments	1,664	1,664	
17. Erosion Control/Clear/Grade/Drain/Minor Structure	11,896	11,630	266
18. Subbase, Base, Surfacing, Shoulders	10,120	9,624	496
19. Railroad Grade Separations	975		975
20. Highway Grade Separations without Ramps	1,019		1,019
21. Interchanges	9,140	9,140	
22. Other Bridges, Tunnels, and Walls			
23. Traffic Control	598	384	214
24. Environmental Mitigation			
25. Roadside Improvements:			
---- a. Landscape Planting	264	198	66
---- b. Rest Area, Overlooks	3,111	3,111	
26. All Other Items	2,734	2,581	153
27. Subtotal(lines 17 thru 26)	39,857	36,668	3,189
28. Construction Engineering(5.00000000% of line 27)	1,993	1,833	159
29. Total Cost of Construction(lines 27 & 28)	41,850	38,501	3,348
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	54,244	50,393	3,851



LEGEND FOR APPALACHIAN ROUTES

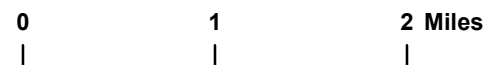
ADHS ROUTE STATUS

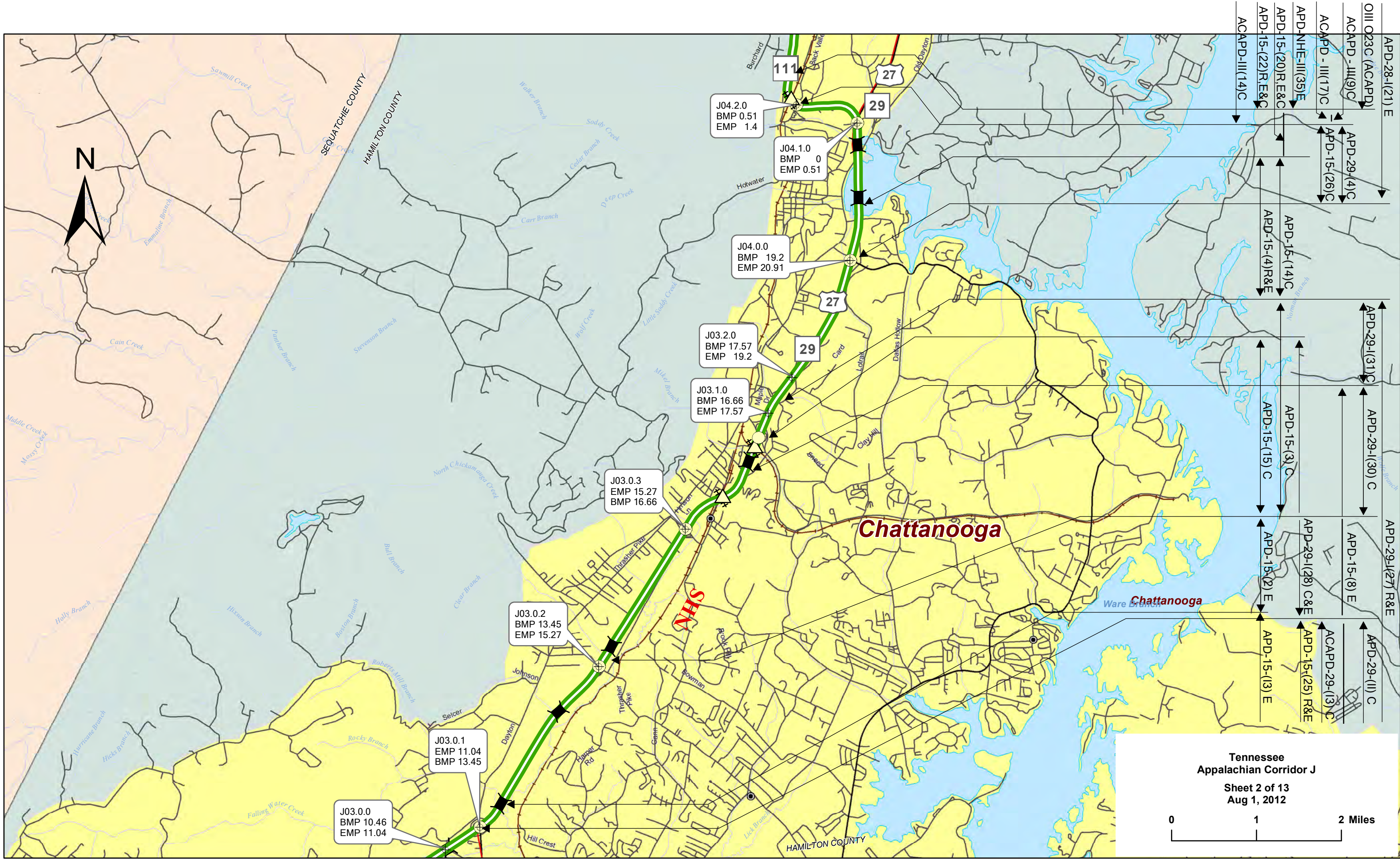
- Complete (1a, 1b)
- Stage Construction (3a3a, 3a3b, 3a3c, 3a3d)
- Final Construction (3a2)
- Design / ROW (4a1, 4a2, 4a3, 4a4, 4a5)
- Location Study (5a1, 5a2, 5a3, 5a4)
- Nonparticipating (NP)
- Interstates
- Other NHS Route
- Other Major Road
- TOLL** Toll Bridge, Highway

- Other Bridge
- Combination Highway-Railroad Grade Separation
- Tunnel
- Interchange
- Railroad Grade Separation
- Highway Grade Separation - No Connection
- Urban Areas

Section ID
Beginning Milepoint
Ending Milepoint

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J03.0.0
 BMP 10.46
 EMP 11.04

J03.0.1
 EMP 11.04
 BMP 13.45

J03.0.2
 BMP 13.45
 EMP 15.27

J03.0.3
 EMP 15.27
 BMP 16.66

J03.1.0
 BMP 16.66
 EMP 17.57

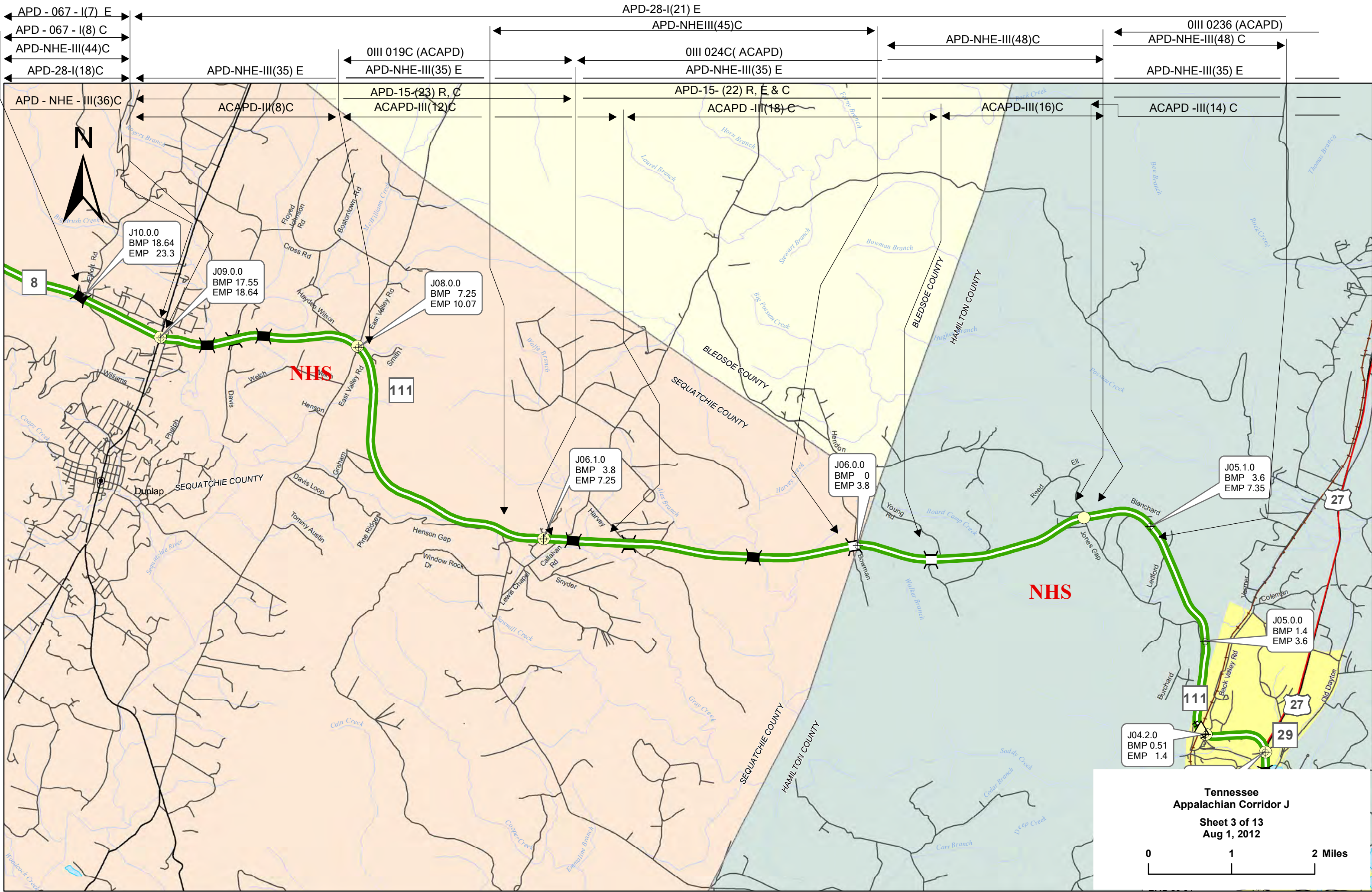
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 EMP 19.2

J04.0.0
 BMP 19.2
 EMP 20.91

J04.1.0
 BMP 0
 EMP 0.51

J04.2.0
 BMP 0.51
 EMP 1.4

APD-28-I(21) E	APD-29-I(31) C	APD-29-I(30) C	APD-29-I(27) R&E
ACAPD - III(9) C	APD-15-(4) R&E	APD-15-(8) E	APD-29-(II) C
ACAPD - III(17) C	APD-15-(14) C	ACAPD-29-(13) C	APD-15-(125) R&E
APD-NHE-III(35) E	APD-15-(4) R&E	APD-15-(2) E	APD-15-(13) E
APD-15-(20) R&E C	APD-15-(15) C	APD-29-I(28) C&E	APD-15-(25) R&E
APD-15-(22) R&E C	APD-15-(3) C	APD-15-(2) E	APD-15-(13) E
ACAPD-III(14) C	APD-15-(15) C	APD-15-(2) E	APD-15-(13) E



APD - 067 - I(7) E
 APD - 067 - I(8) C
 APD-NHE-III(44)C
 APD-28-I(18)C

APD - NHE - III(36)C

APD-NHE-III(35) E

ACAPD-III(8)C

0III 019C (ACAPD)

APD-NHE-III(35) E

APD-15-(23) R, C
 ACAPD-III(12)C

APD-28-I(21) E

APD-NHEIII(45)C

0III 024C (ACAPD)

APD-NHE-III(35) E

APD-15- (22) R, E & C
 ACAPD -III(18) C

APD-NHE-III(48)C

0III 0236 (ACAPD)

APD-NHE-III(48) C

APD-NHE-III(35) E

ACAPD-III(16)C

ACAPD -III(14) C

J10.0.0
 BMP 18.64
 EMP 23.3

J09.0.0
 BMP 17.55
 EMP 18.64

J08.0.0
 BMP 7.25
 EMP 10.07

J06.1.0
 BMP 3.8
 EMP 7.25

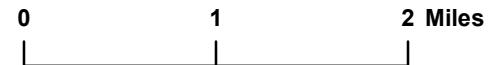
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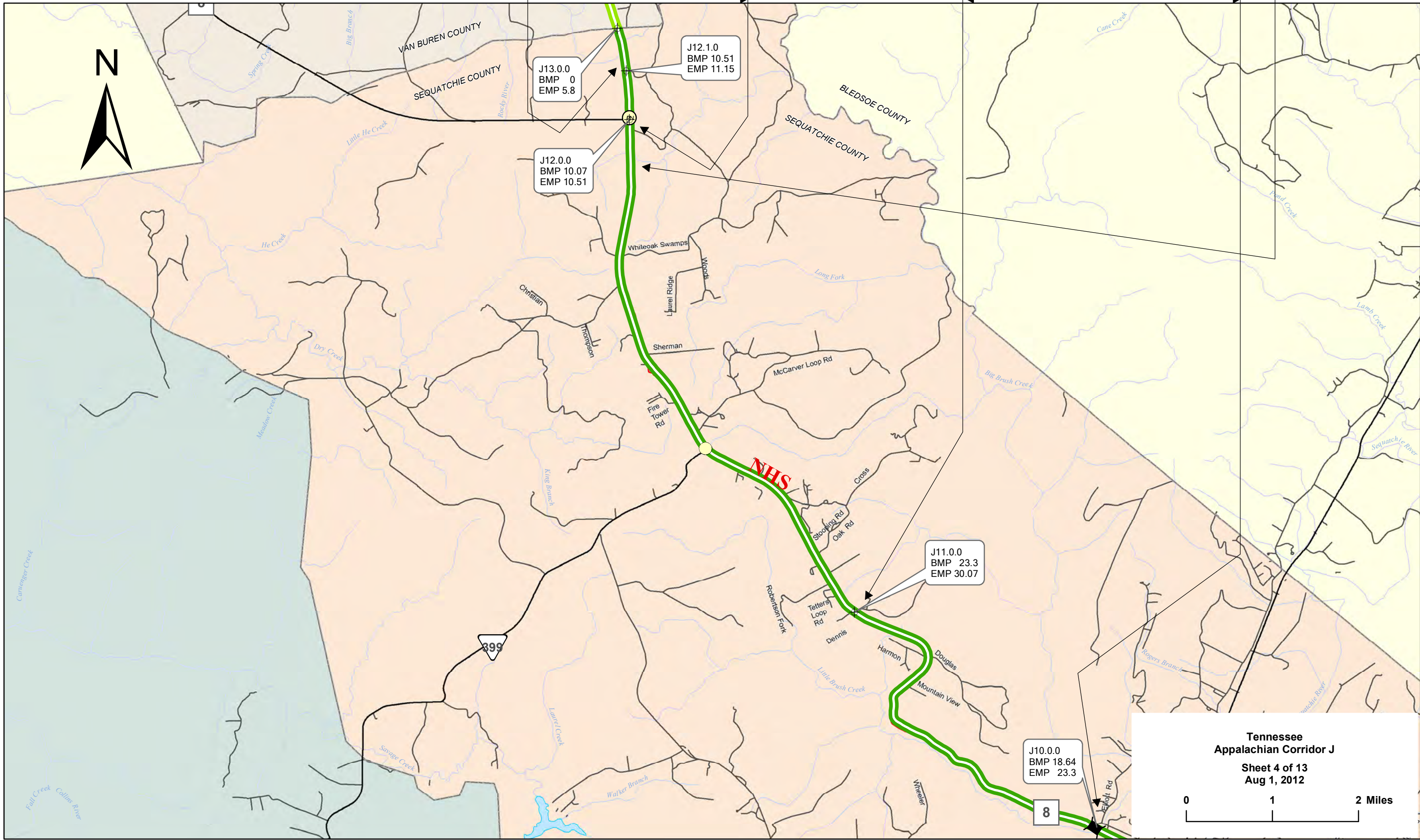
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 EMP 7.35

J05.0.0
 BMP 1.4
 EMP 3.6

J04.2.0
 BMP 0.51
 EMP 1.4

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J13.0.0
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EMP 5.8

J12.1.0
BMP 10.51
EMP 11.15

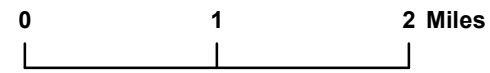
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EMP 10.51

J11.0.0
BMP 23.3
EMP 30.07

J10.0.0
BMP 18.64
EMP 23.3

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Tennessee
Appalachian Corridor J
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APD-15-(6)R&E
APD-15-(12)C

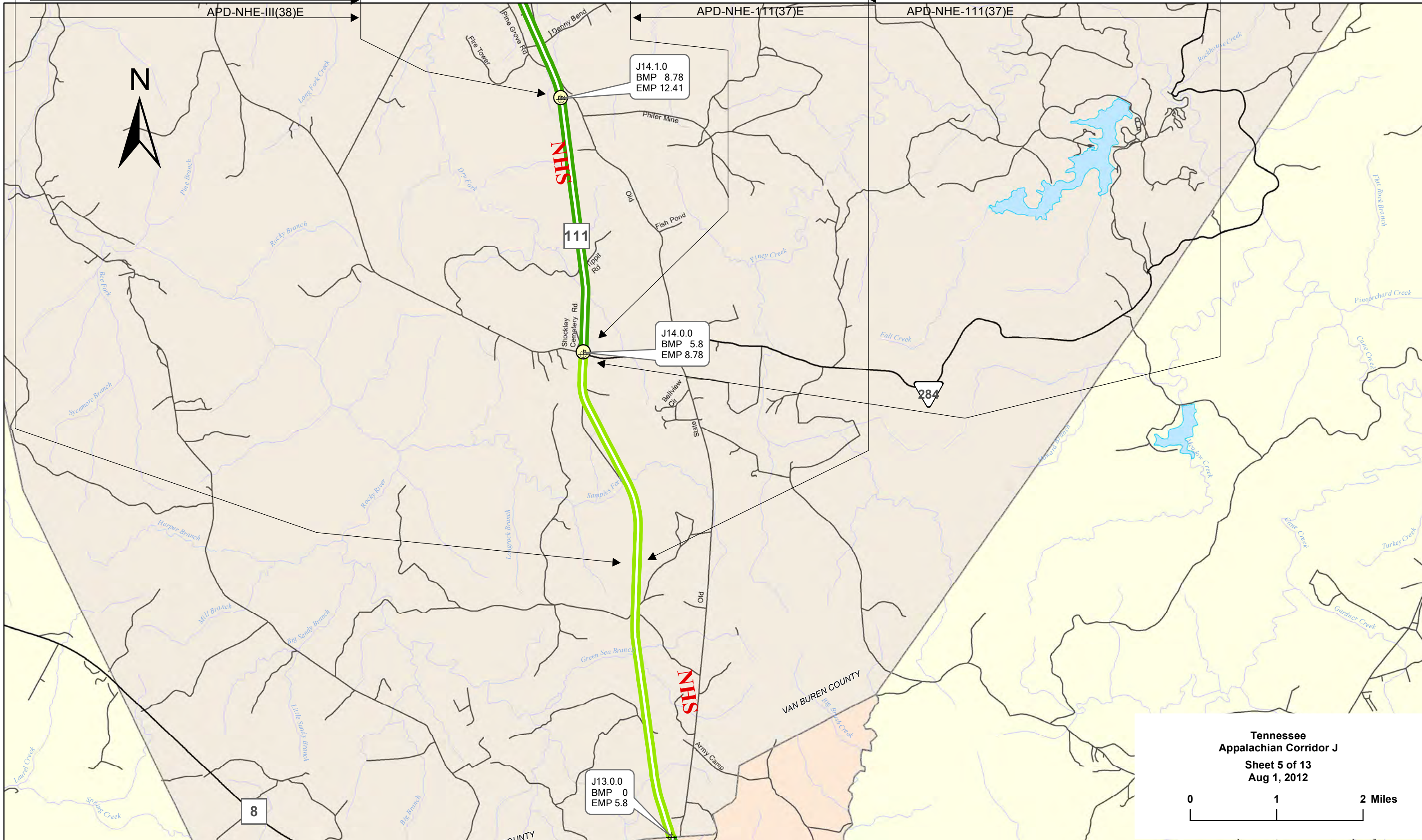
APD-15-(17)C
APD-15-(5)R,E&C

APD-15-(16)C

APD-NHE-111(38)E

APD-NHE-111(37)E

APD-NHE-111(37)E

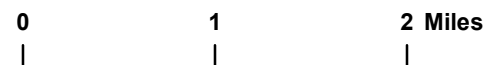


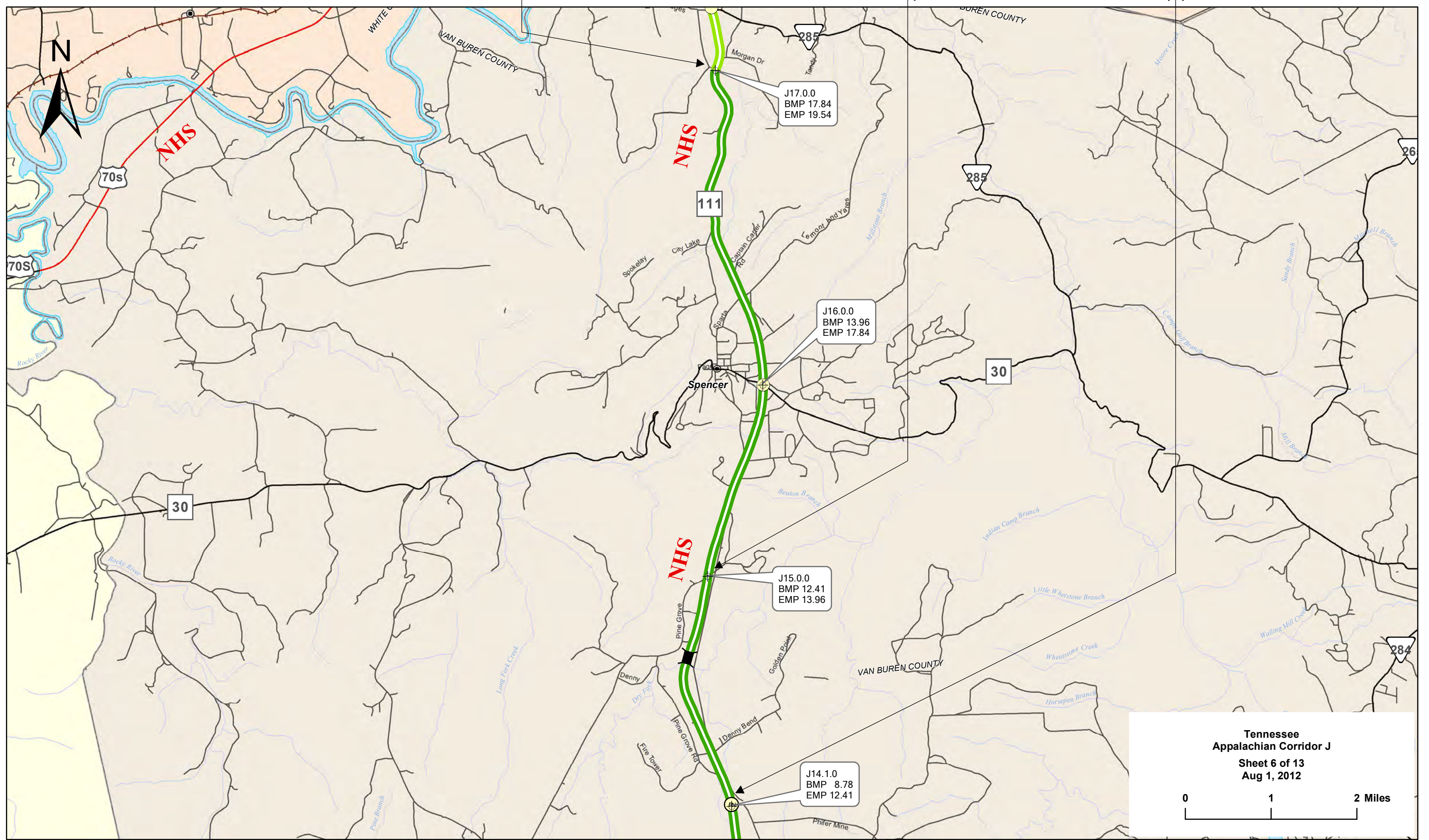
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EMP 12.41

J14.0.0
BMP 5.8
EMP 8.78

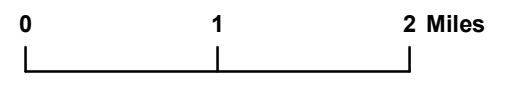
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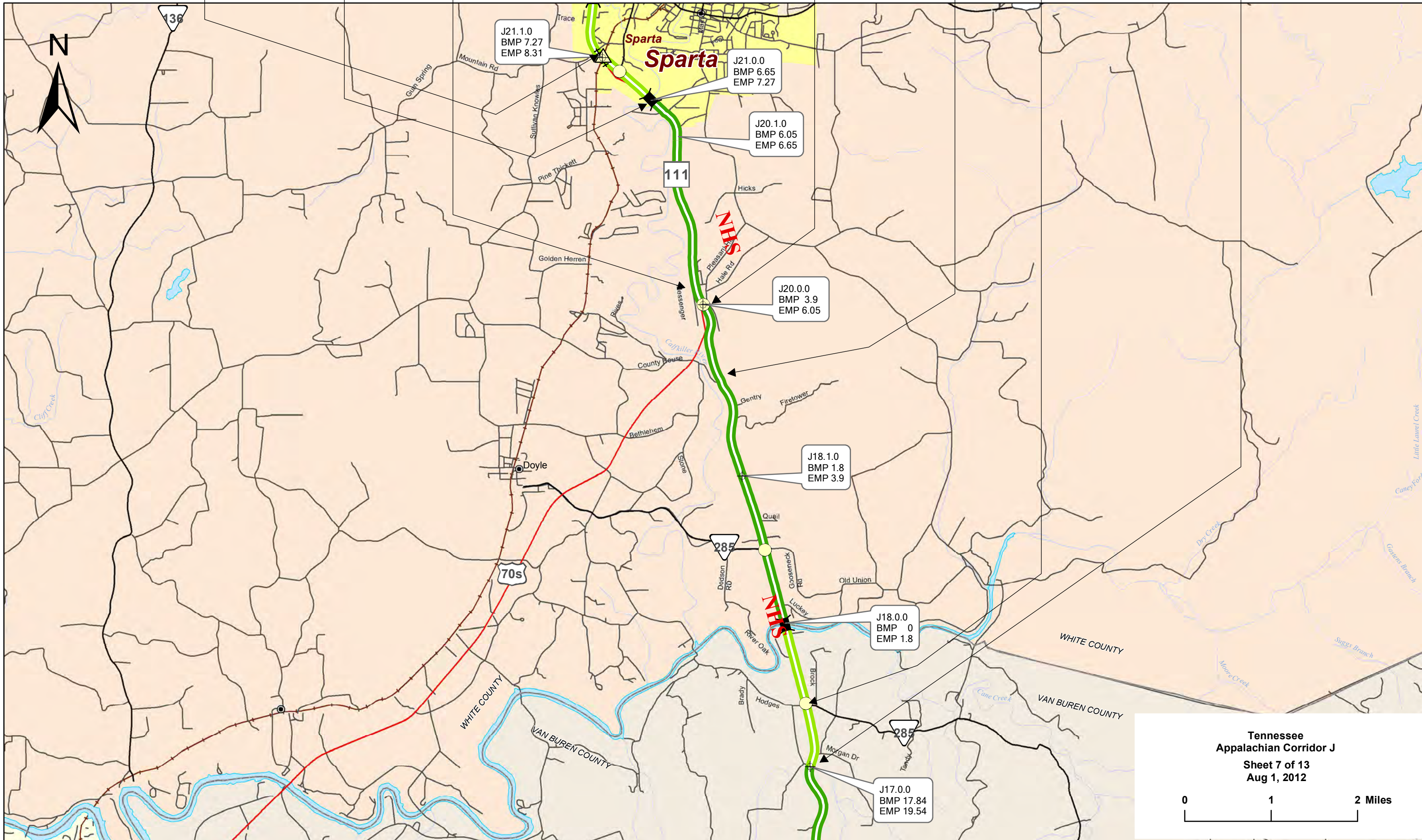
Tennessee
Appalachian Corridor J
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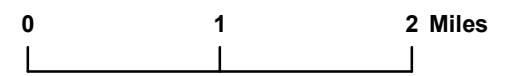


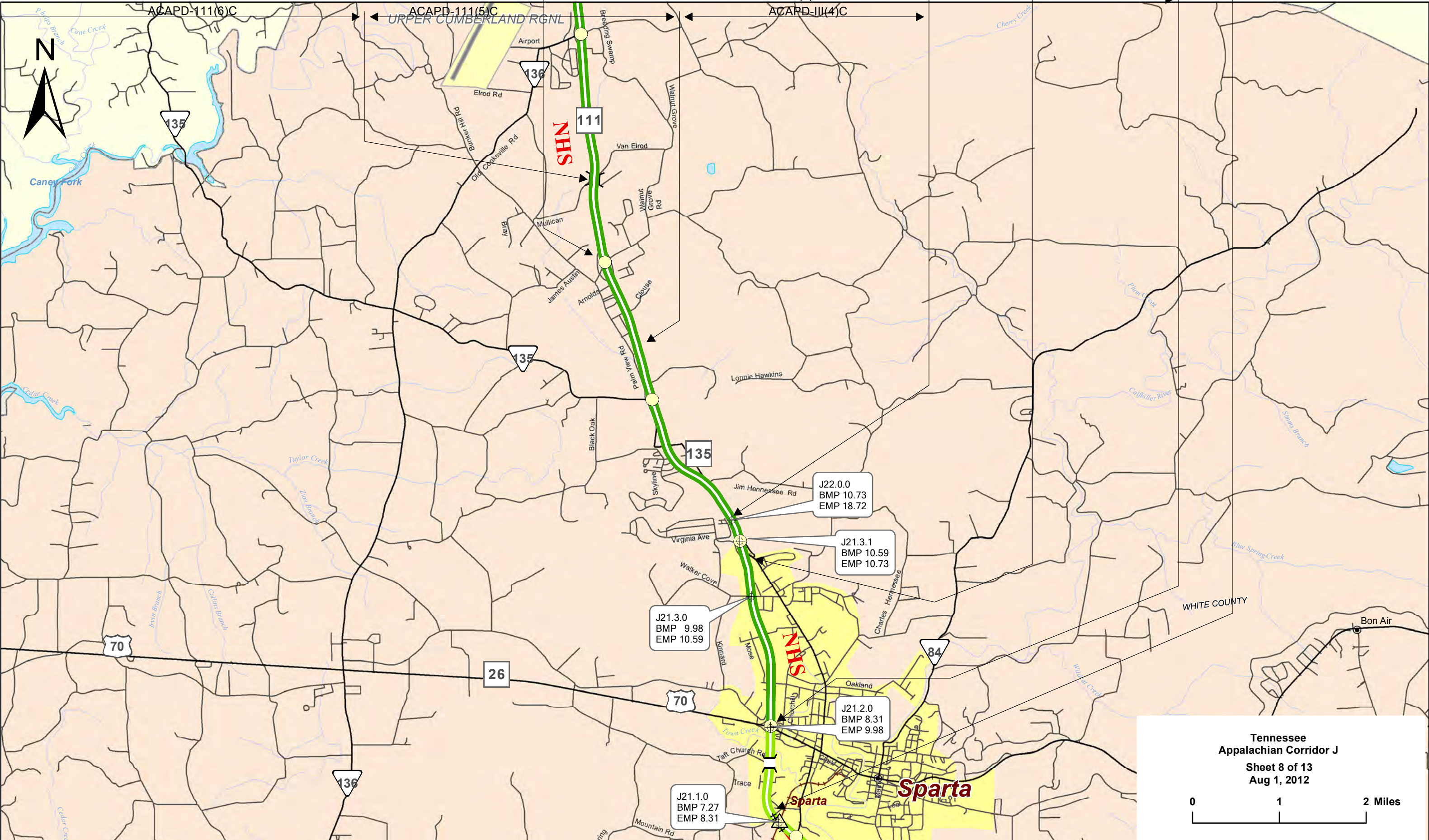
Tennessee
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APD-100-2(8)C
APD-100-2(9)C
APD-100-2(4)R&C
APD-NH-III(40)E

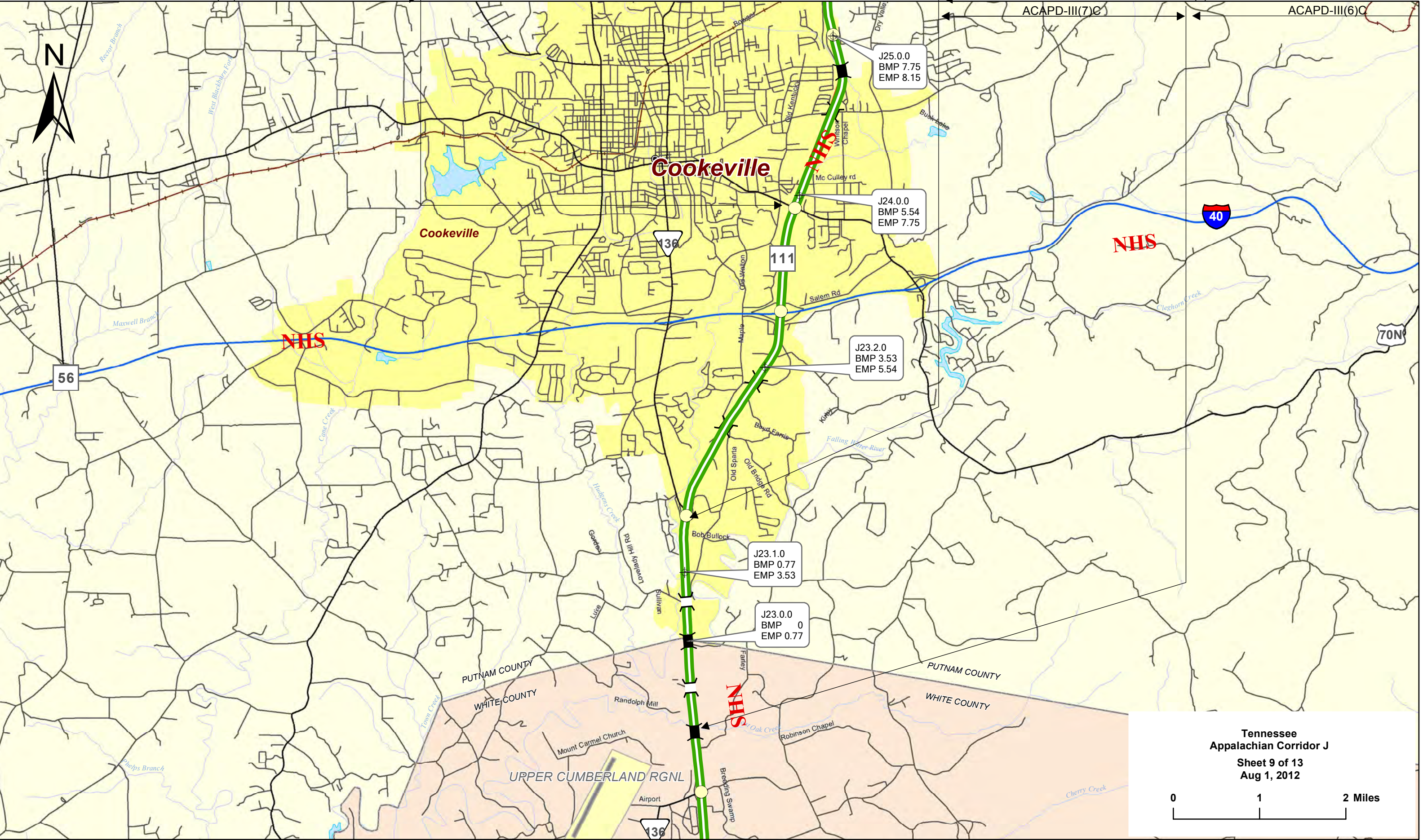
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APD-15-(1)C

APD-100-2(2)R
APD-100-2(3)C

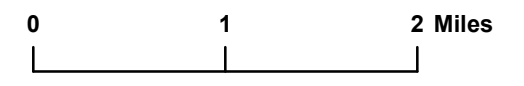
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ACAPD-III(11)C
APD-15-(7)E
APD-26-2(1)E

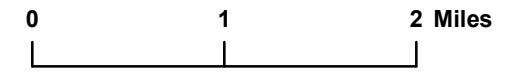
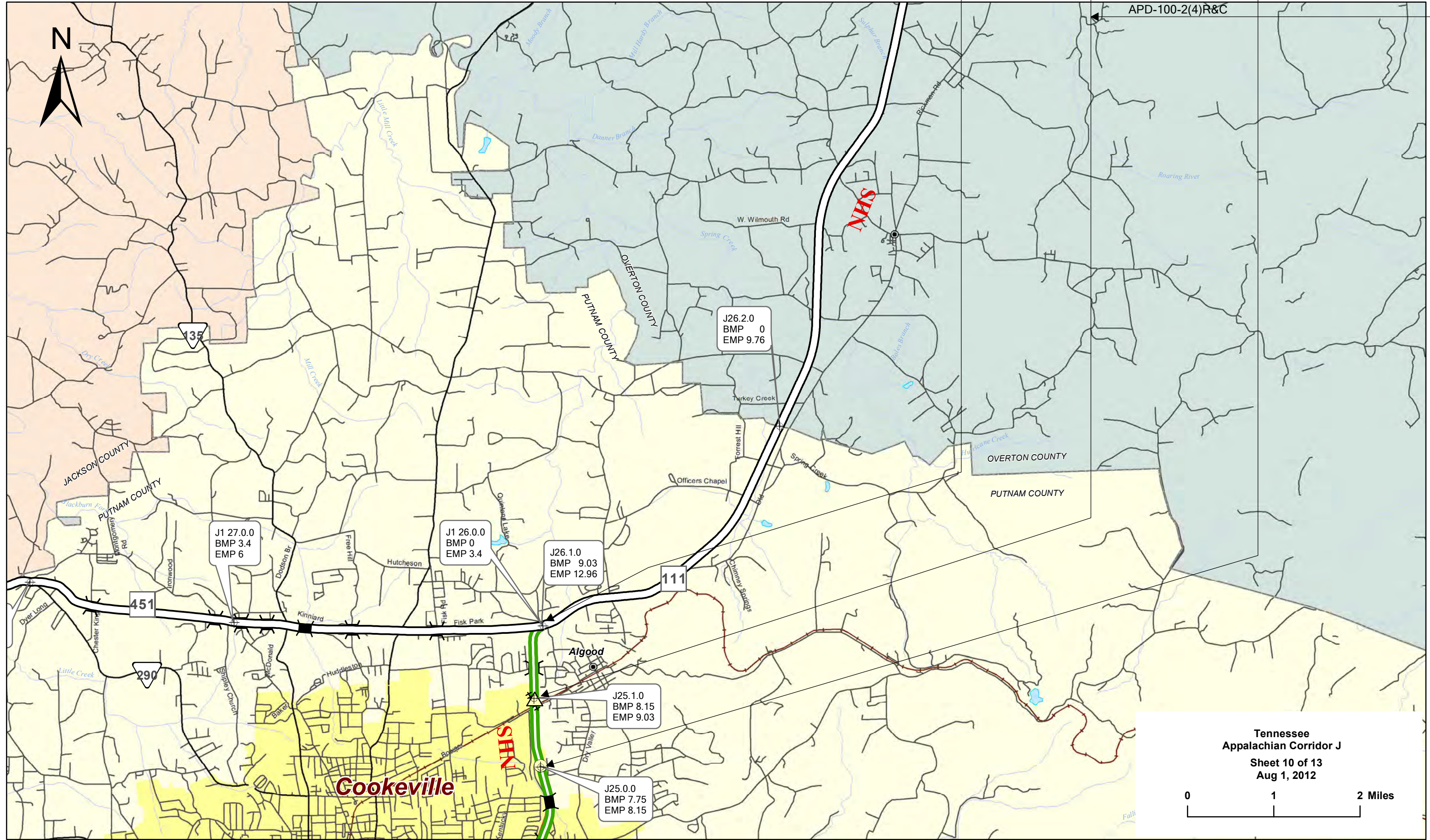
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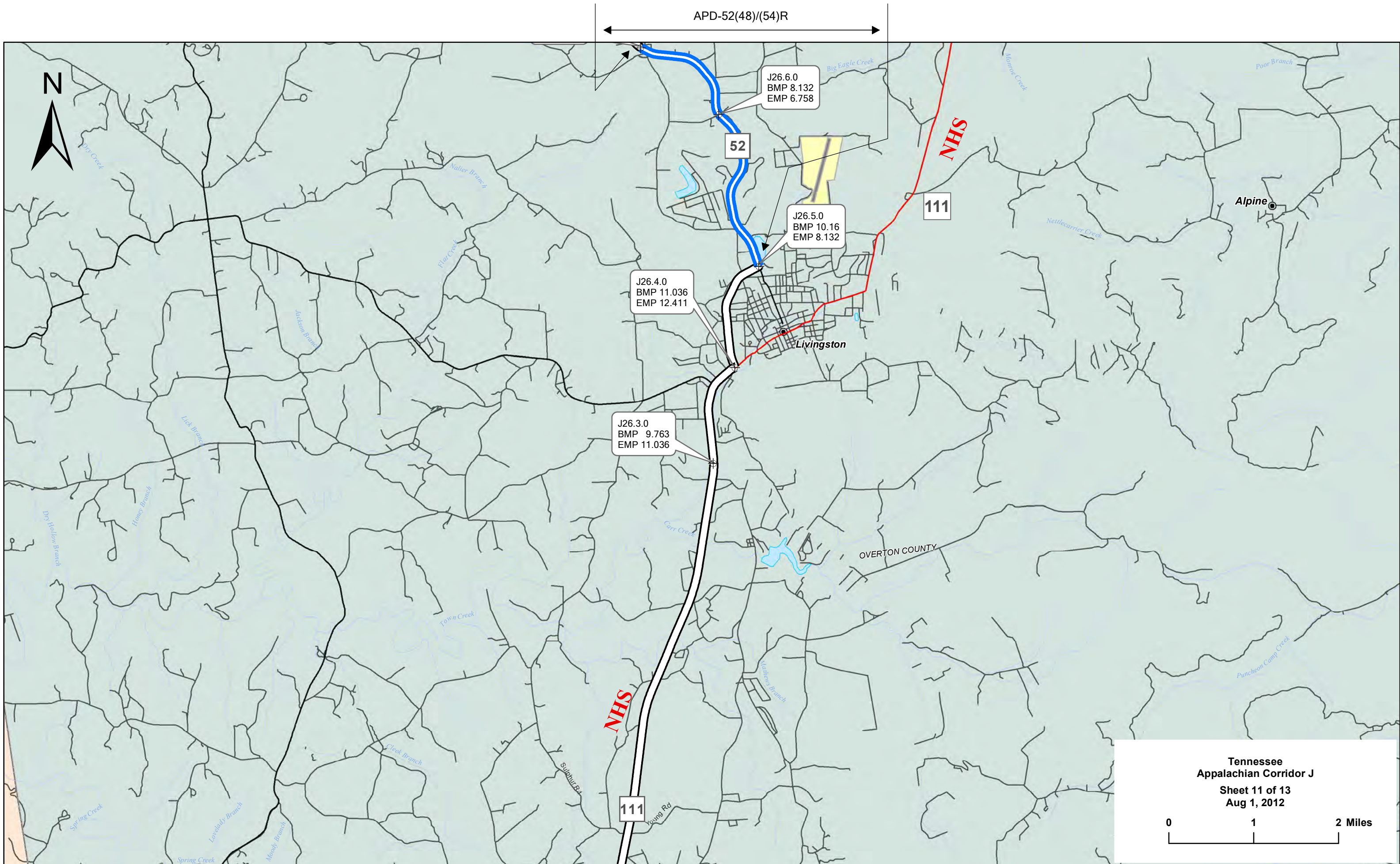
ACAPD-III(6)C



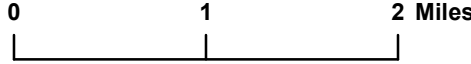
Tennessee
Appalachian Corridor J
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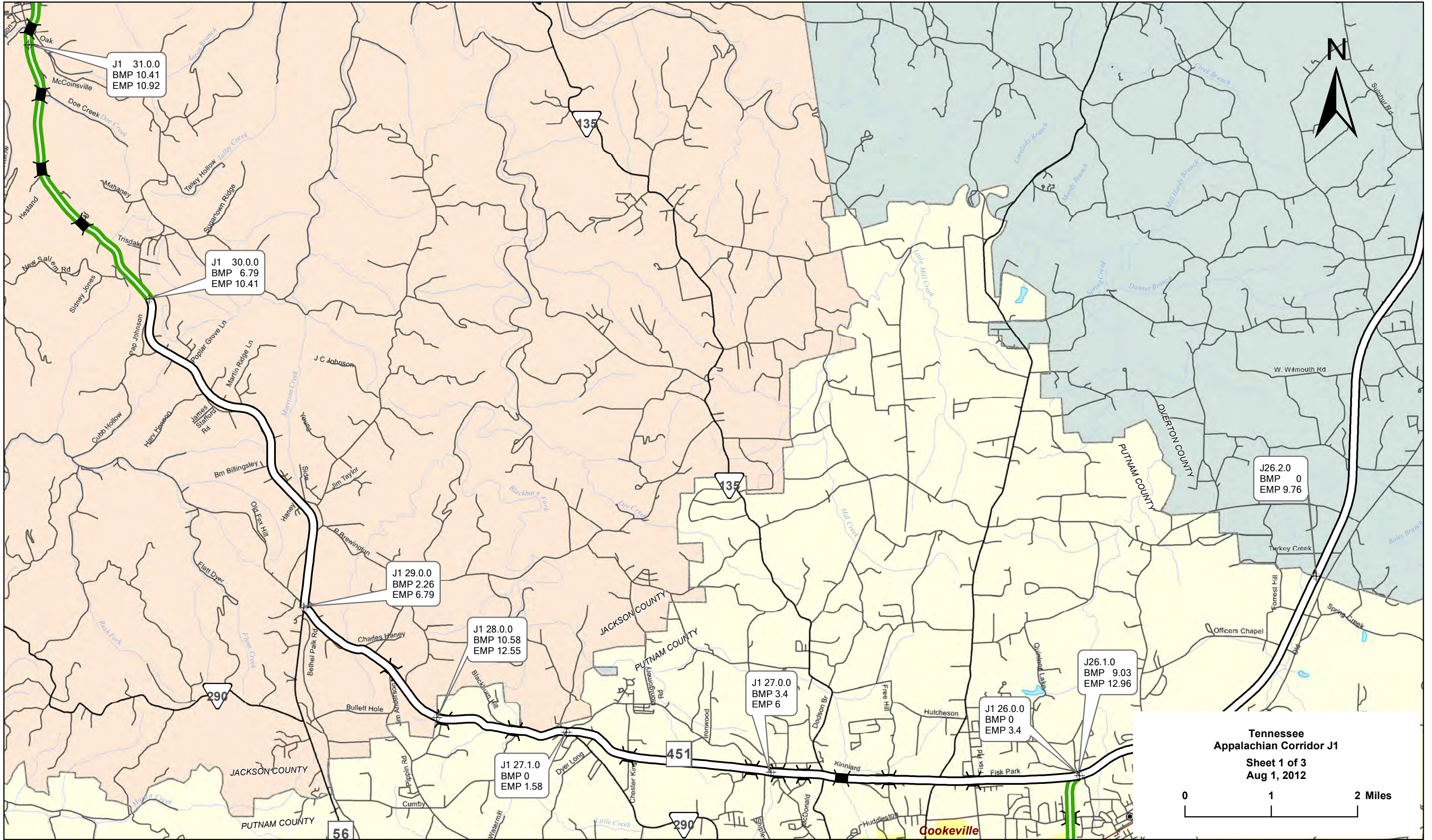






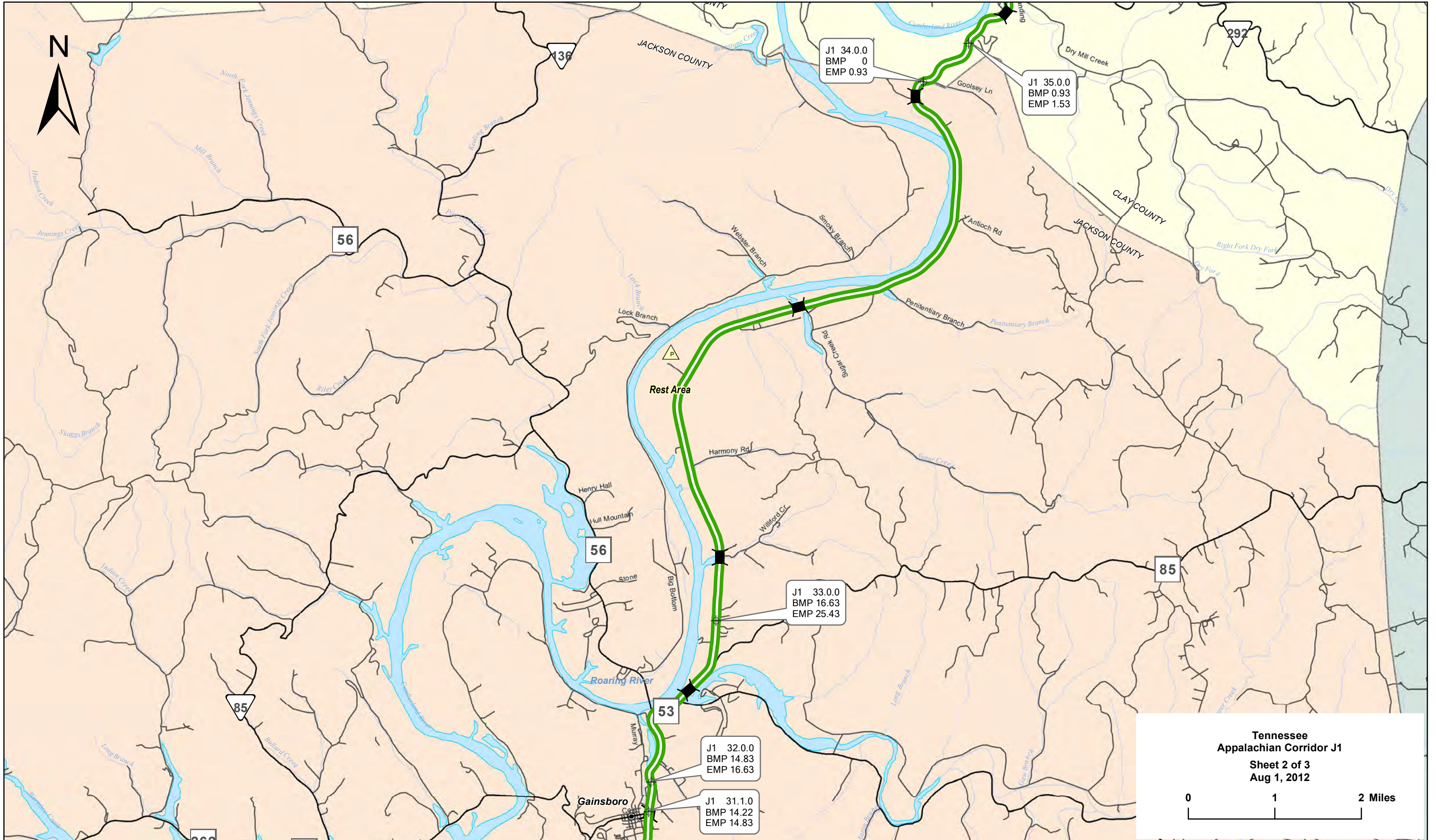
Tennessee
Appalachian Corridor J
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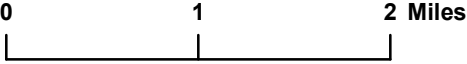


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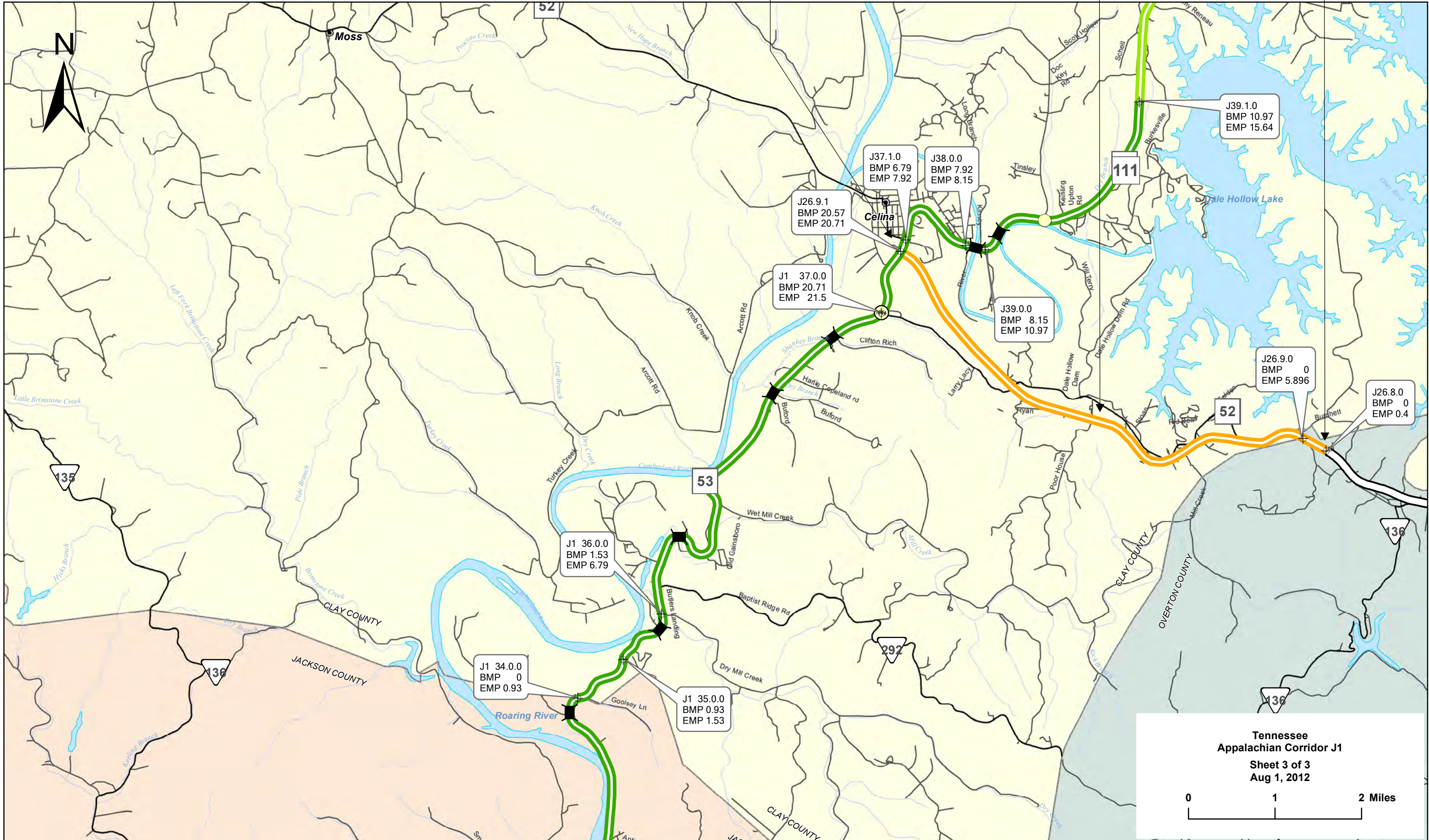


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APD-52(43)C

APD-52(40)C



J1 36.0.0
BMP 1.53
EMP 6.79

J1 34.0.0
BMP 0
EMP 0.93

J1 35.0.0
BMP 0.93
EMP 1.53

J26.9.1
BMP 20.57
EMP 20.71

J1 37.0.0
BMP 20.71
EMP 21.5

J37.1.0
BMP 6.79
EMP 7.92

J38.0.0
BMP 7.92
EMP 8.15

J39.0.0
BMP 8.15
EMP 10.97

J39.1.0
BMP 10.97
EMP 15.64

J26.9.0
BMP 0
EMP 5.896

J26.8.0
BMP 0
EMP 0.4

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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: TN

ADHS Corridor: J1

Section ID	J1 36.0.0	J1 37.0.0
LRS Milepoint: Beginning/Ending	1.530/6.790	21.500/20.710
Status	Completed	Completed
1. Finance Code	20	20
2. Section Length(Miles)	5.3	0.8
3. Class/Urban Code	R/0	R/0
4. Location:		
---- a. FIPS State/County/Congressional	47/27/6	47/27/6
---- b. HPMS Route/Subroute	14SR053001/0	14SR052001/0
---- c. HPMS Signed Route/Strip Map #	3000000053/J11	3000000052/J11
5. Estimate Section/NHS Designation	1/None	1/None
6. Design Speed(mph)	50	50
7. Traffic:		
---- a. ADT-Base Year (2010)	5,250	8,800
---- b. ADT-Year 2020	8,890	15,030
---- c. Design Year	2,000	2,000
---- d. ADT-Design Year	5,300	8,900
---- e. DHV-Design Year	689	1,157
---- f. % Truck Design Year(DHV)	7	7
---- g. % Truck Design Year(ADT)	10	10
---- h. Directional Distribution Factor	60	60
8. Number of Lanes to be Constructed this Estimate	0	0
9. Ultimate Number of Through Traffic Lanes	2	2
10. Typical X-Section of Reference/Access Control	C/None	C/None
11. Right-of-Way Width(ft), prevailing	200	200
12. Median Width(ft), prevailing	0	0
13. Status of Development(Figure 4)	1a	1a

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

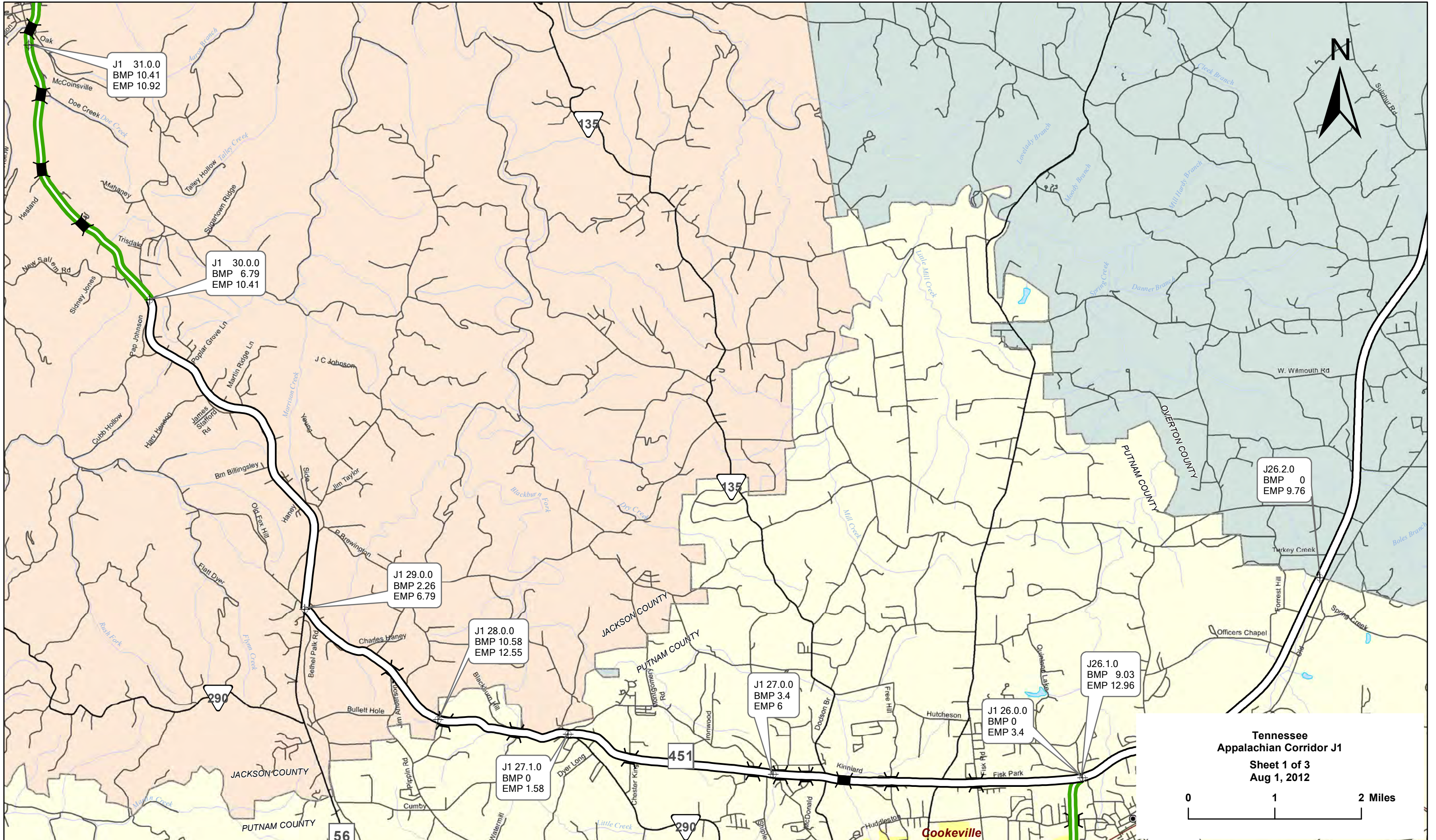
14. Preliminary Engineering:		
---- a. Location	0	0
---- b. Design	0	0
15. Right-of-Way:		
---- a. Acquisition	0	0
---- b. Relocation	0	0
16. Utility Adjustments	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0
19. Railroad Grade Separations	0	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(5.00000000% 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

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: J1

Section ID LRS Milepoint	Corridor Total	Rural Subtotal	Urban Subtotal
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)	37.10	37.10	0.00
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(5.00000000% of line 27)			
29. Total Cost of Construction(lines 27 & 28)			
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)			



J1 31.0.0
BMP 10.41
EMP 10.92

J1 30.0.0
BMP 6.79
EMP 10.41

J1 29.0.0
BMP 2.26
EMP 6.79

J1 28.0.0
BMP 10.58
EMP 12.55

J1 27.1.0
BMP 0
EMP 1.58

J1 27.0.0
BMP 3.4
EMP 6

J1 26.0.0
BMP 0
EMP 3.4

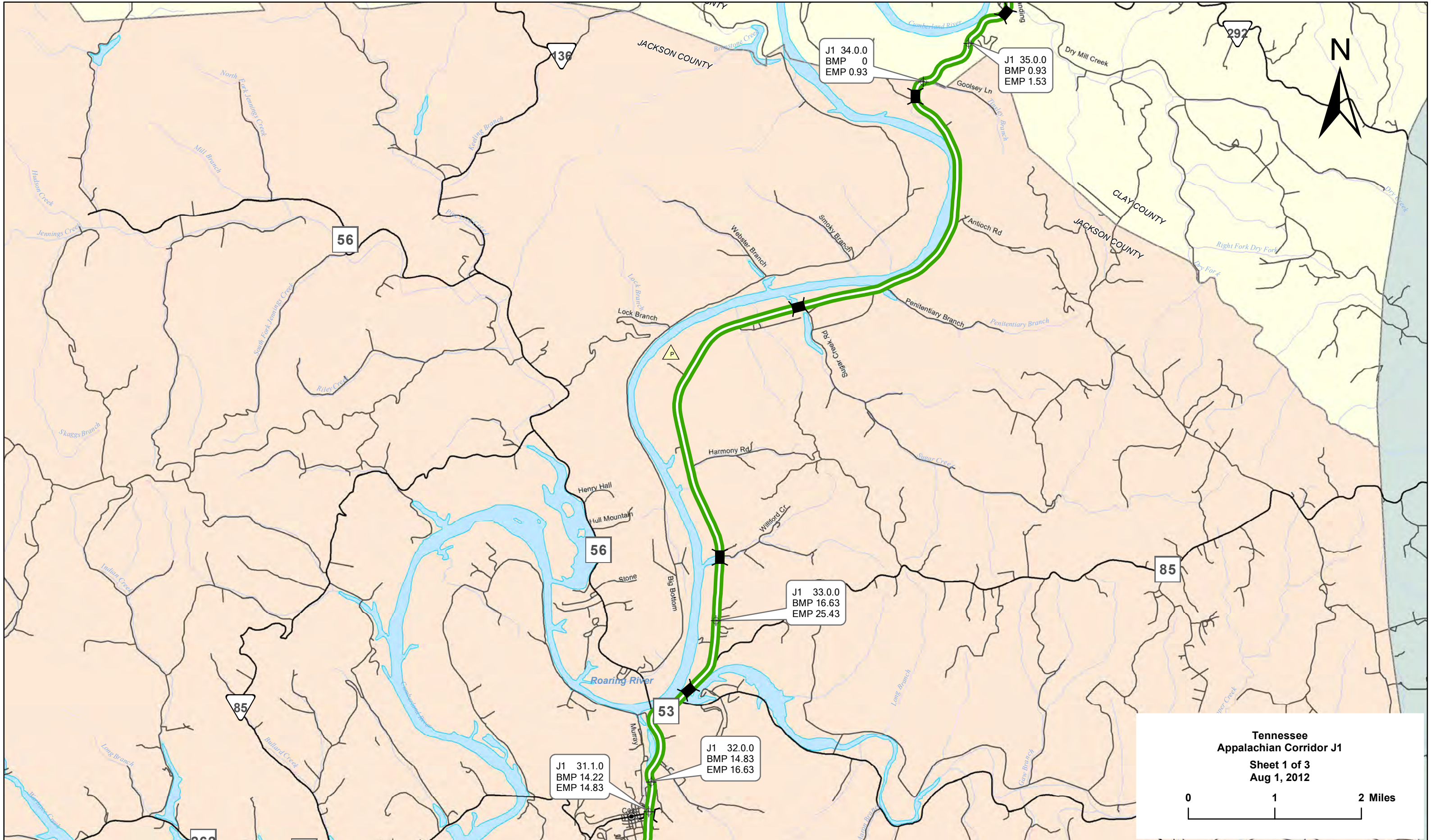
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EMP 9.76

Tennessee
Appalachian Corridor J1
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Aug 1, 2012

0 1 2 Miles

Cookeville

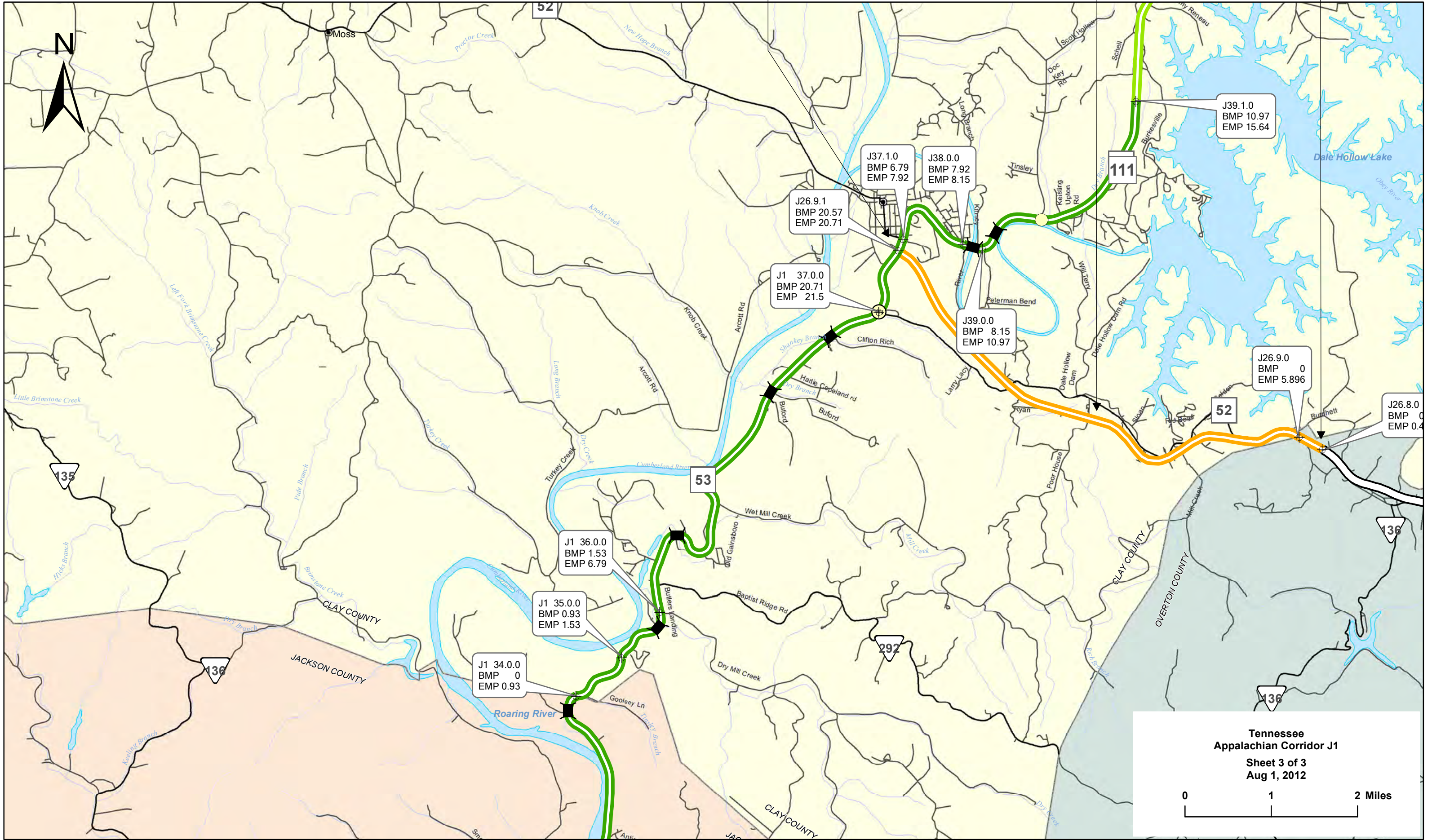


Tennessee
Appalachian Corridor J1
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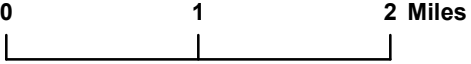


APD-52(43)C

APD-52(40)C



Tennessee
 Appalachian Corridor J1
 Sheet 3 of 3
 Aug 1, 2012



2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: K

Section ID	K05.0.0	K05.1.0	K06.0.0	K06.1.0	K07.0.0	K07.1.0
LRS Milepoint: Beginning/Ending	11.290/12.630	2.400/2.860	2.860/5.550	5.550/9.680	0.000/0.500	0.500/0.900
Status	Completed	Completed	Stage Construction	Stage Construction	Stage Construction	Stage Construction
1. Finance Code	20	20	21	21	20	20
2. Section Length(Miles)	1.3	1.5	2.7	4.1	0.5	0.4
3. Class/Urban Code	U/430	U/430	U/430	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	47/11/3	47/11/3	47/11/3	47/11/3	47/139/3	47/139/3
---- b. HPMS Route/Subroute	06SR060001/0	06SR040001/0	06SR040001/0	06SR040001/0	70SR040001/0	70SR040001/0
---- c. HPMS Signed Route/Strip Map #	2000000064/K2	2000000064/K2	2000000064/K2	2000000064/K2	2000000064/K2	2000000064/K2
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	50	50	50	50	50	50
7. Traffic:						
---- a. ADT-Base Year (2010)	33,650	33,650	24,010	20,690	15,320	7,210
---- b. ADT-Year 2020	50,540	50,540	26,410	22,760	17,310	8,150
---- c. Design Year	1,998	1,998	2,030	2,030	2,030	2,030
---- d. ADT-Design Year	31,000	31,000	28,810	24,830	19,300	9,080
---- e. DHV-Design Year	3,720	3,720	2,881	2,483	1,930	908
---- f. % Truck Design Year(DHV)	6	6	2	2	3	6
---- g. % Truck Design Year(ADT)	9	9	3	3	5	9
---- h. Directional Distribution Factor	60	60	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	0	0	2	2	2	2
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	B/None	B/None	B/None	B/None	D/None	G/None
11. Right-of-Way Width(ft), prevailing	150	150	400	400	300	250
12. Median Width(ft), prevailing	30	30	48	48	48	12
13. Status of Development(Figure 4)	1a	1a	3a3a	3a3a	3a3c	3a3c

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	344	698	0	0
---- b. Relocation	0	0	333	675	0	0
16. Utility Adjustments	0	0	197	388	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	0	1,968	3,995	0	0
18. Subbase, Base, Surfacing, Shoulders	0	0	1,872	3,801	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	687	1,395	0	0
23. Traffic Control	0	0	36	71	0	0
24. Environmental Mitigation	0	0	0	0	0	0
25. Roadside Improvements:						
---- a. Landscape Planting	0	0	22	44	0	0
---- b. Rest Area, Overlooks	0	0	0	0	0	0
26. All Other Items	0	0	220	448	0	0
27. Subtotal(lines 17 thru 26)	0	0	4,805	9,754	0	0
28. Construction Engineering(5.00000000% of line 27)	0	0	240	488	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	5,045	10,242	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	6,215	12,603	0	0

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: K

Section ID	K08.0.0	K08.1.0	K09.0.0	K09.1.0	K09.1.1	K09.1.2
LRS Milepoint: Beginning/Ending	0.900/3.120	3.120/5.200	5.200/8.720	0.000/6.800	6.800/7.000	7.000/8.000
Status	Stage Construction	Location Study	Location Study	Location Study	Location Study	Location Study
1. Finance Code	20	23	23	23	23	23
2. Section Length(Miles)	2.2	2.1	4	6.8	0.2	1
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	47/139/3	47/139/3	47/139/3	47/139/3	47/139/3	47/139/3
---- b. HPMS Route/Subroute	70SR040001/0	70SR040001/0	70SR040001/0	7000040APD/0	7000040APD/0	7000040APD/0
---- c. HPMS Signed Route/Strip Map #	2000000064/K2	2000000064/K3	2000000064/K3	0/K3	0/K3	0/K4
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/None	1/None	1/None
6. Design Speed(mph)	60	60	50	50	50	50
7. Traffic:						
---- a. ADT-Base Year (2010)	7,210	7,210	4,460	4,430	4,430	4,430
---- b. ADT-Year 2020	8,150	8,150	4,910	4,870	4,870	4,870
---- c. Design Year	2,030	2,030	2,030	2,030	2,030	2,030
---- d. ADT-Design Year	9,080	9,080	5,350	5,320	5,320	5,320
---- e. DHV-Design Year	908	908	535	532	532	532
---- f. % Truck Design Year(DHV)	6	6	8	8	8	8
---- g. % Truck Design Year(ADT)	9	9	12	12	12	12
---- h. Directional Distribution Factor	60	60	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	4	4	4	4	4	4
9. Ultimate Number of Through Traffic Lanes	4	4	4	4	4	4
10. Typical X-Section of Reference/Access Control	D/None	D/None	D/None	I/None	J/None	I/None
11. Right-of-Way Width(ft), prevailing	300	300	300	200	200	200
12. Median Width(ft), prevailing	48	48	48	14	14	14
13. Status of Development(Figure 4)	3a3c	5a3	5a3	5a3	5a3	5a3

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

14. Preliminary Engineering:						
---- a. Location	0	0	0	0	0	0
---- b. Design	0	0	0	11,816	885	5,356
15. Right-of-Way:						
---- a. Acquisition	0	2,205	4,440	0	0	0
---- b. Relocation	0	120	59	0	0	0
16. Utility Adjustments	0	382	1,272	0	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	5,699	33,166	16,589	32	3,884
18. Subbase, Base, Surfacing, Shoulders	0	3,290	6,267	18,016	75	945
19. Railroad Grade Separations	0	0	0	0	0	0
20. Highway Grade Separations without Ramps	0	0	0	19,652	0	16,437
21. Interchanges	0	0	0	0	0	0
22. Other Bridges, Tunnels, and Walls	0	6,216	0	12,385	3,463	6,481
23. Traffic Control	0	61	304	61	0	71
24. Environmental Mitigation	0	0	0	149,592	8,725	73,828
25. Roadside Improvements:						
---- a. Landscape Planting	0	83	165	281	11	160
---- b. Rest Area, Overlooks	0	0	0	0	0	0
26. All Other Items	0	398	1,705	19,741	5,397	5,305
27. Subtotal(lines 17 thru 26)	0	15,747	41,607	236,317	17,703	107,111
28. Construction Engineering(5.00000000% of line 27)	0	787	2,080	11,816	885	5,356
29. Total Cost of Construction(lines 27 & 28)	0	16,534	43,687	248,133	18,588	112,467
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	20,203	51,931	272,946	20,447	123,714

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: K

Section ID	K10.1.0	K11.0.0	K12.0.0	K13.0.0
LRS Milepoint: Beginning/Ending	18.380/20.040	20.040/25.990	25.990/26.580	26.580/30.030
Status	Completed	Stage Construction	Completed	Completed
1. Finance Code	20	21	20	20
2. Section Length(Miles)	1.7	6	0.6	3.5
3. Class/Urban Code	R/0	R/0	R/0	R/0
4. Location:				
---- a. FIPS State/County/Congressional	47/139/3	47/139/3	47/139/3	47/139/3
---- b. HPMS Route/Subroute	70SR040001/0	70SR040001/0	70SR040001/0	70SR040001/0
---- c. HPMS Signed Route/Strip Map #	2000000064/K4	2000000064/K4	2000000064/K4	2000000064/K4
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	50	60	60	60
7. Traffic:				
---- a. ADT-Base Year (2010)	5,150	4,910	6,400	4,300
---- b. ADT-Year 2020	7,790	5,400	9,660	4,950
---- c. Design Year	1,998	2,030	1,998	1,998
---- d. ADT-Design Year	4,700	5,890	5,900	5,200
---- e. DHV-Design Year	611	589	767	676
---- f. % Truck Design Year(DHV)	9	8	9	7
---- g. % Truck Design Year(ADT)	12	12	12	12
---- h. Directional Distribution Factor	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	0	2	0	0
9. Ultimate Number of Through Traffic Lanes	4	4	4	4
10. Typical X-Section of Reference/Access Control	D/None	E/None	B/None	D/None
11. Right-of-Way Width(ft), prevailing	200	350	300	500
12. Median Width(ft), prevailing	48	16	30	48
13. Status of Development(Figure 4)	1a	3a3a	1a	1a

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

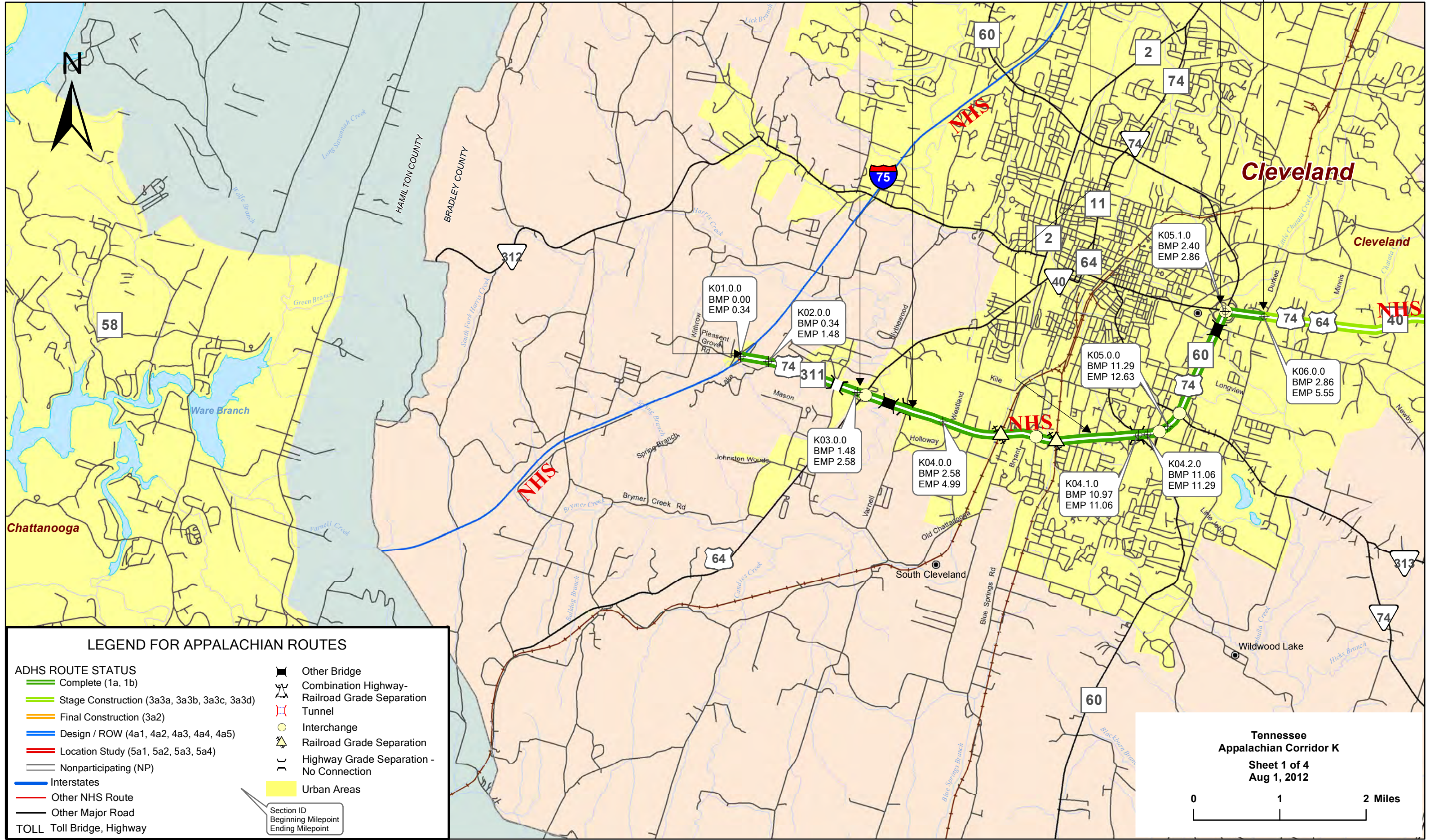
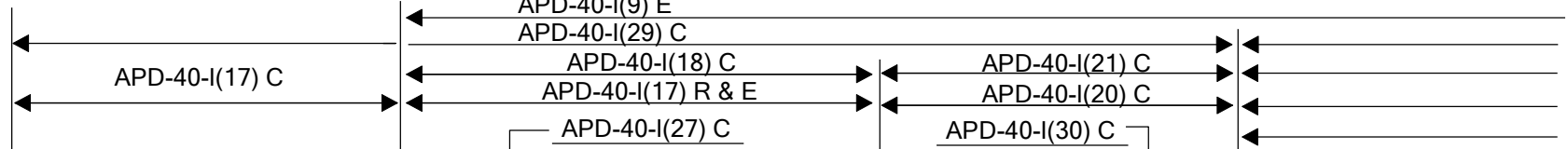
14. Preliminary Engineering:				
---- a. Location	0	0	0	0
---- b. Design	0	0	0	0
15. Right-of-Way:				
---- a. Acquisition	0	0	0	0
---- b. Relocation	0	0	0	0
16. Utility Adjustments	0	0	0	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	9,846	0	0
18. Subbase, Base, Surfacing, Shoulders	0	6,702	0	0
19. Railroad Grade Separations	0	1,401	0	0
20. Highway Grade Separations without Ramps	0	0	0	0
21. Interchanges	0	0	0	0
22. Other Bridges, Tunnels, and Walls	0	5,635	0	0
23. Traffic Control	0	141	0	0
24. Environmental Mitigation	0	0	0	0
25. Roadside Improvements:				
---- a. Landscape Planting	0	0	0	0
---- b. Rest Area, Overlooks	0	0	0	0
26. All Other Items	0	1,146	0	0
27. Subtotal(lines 17 thru 26)	0	24,871	0	0
28. Construction Engineering(5.00000000% of line 27)	0	1,244	0	0
29. Total Cost of Construction(lines 27 & 28)	0	26,115	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	27,420	0	0

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

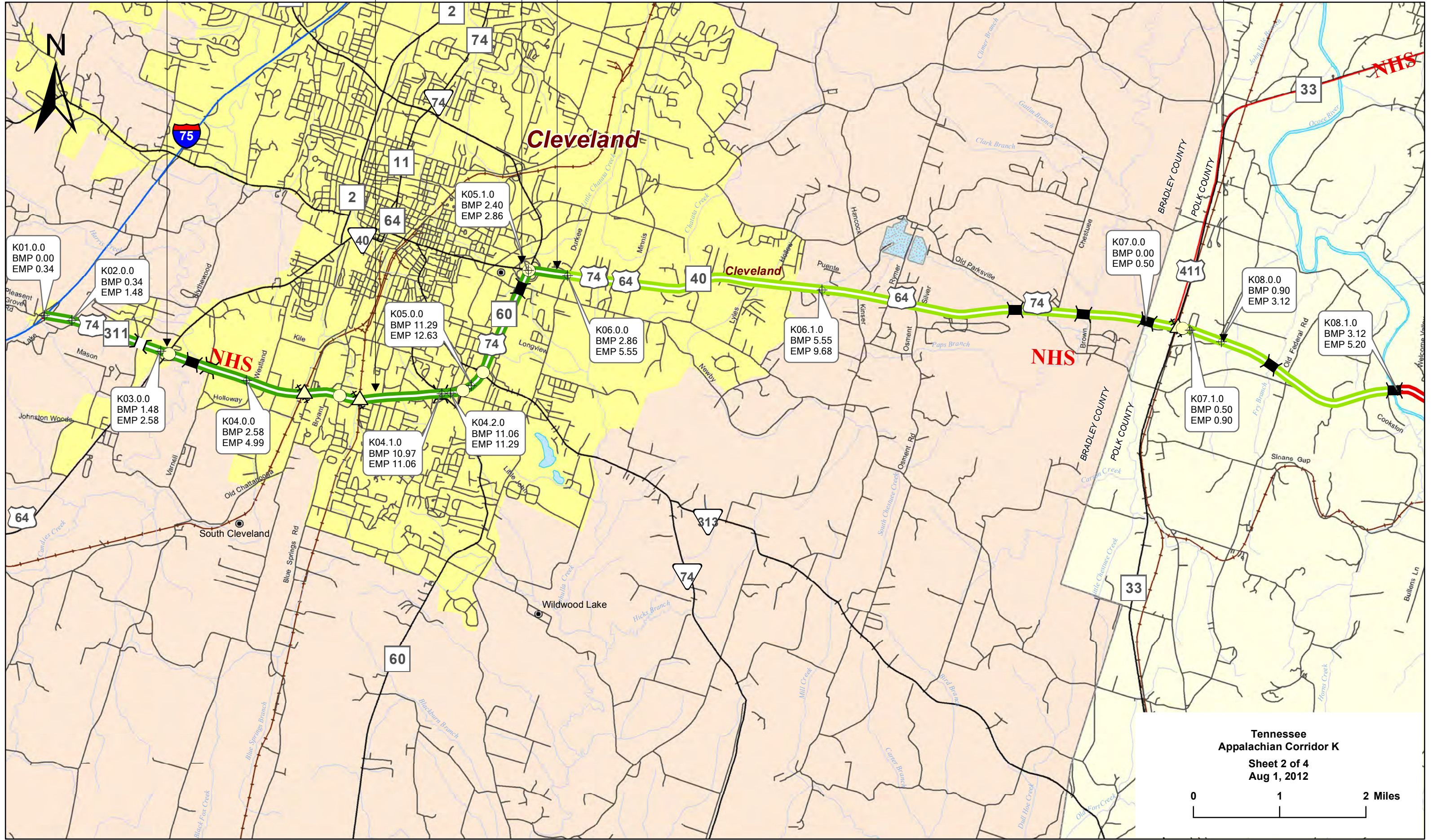
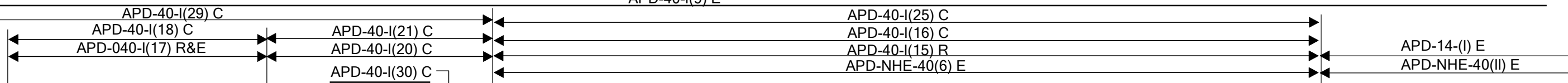
ADHS Corridor: K

Section ID LRS Milepoint	Corridor Total	Rural Subtotal	Urban Subtotal
1. Finance Code			
2. Section Length(Miles)	43.80	33.10	10.70
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	18,057	18,057	
15. Right-of-Way:			
---- a. Acquisition	7,687	7,343	344
---- b. Relocation	1,187	854	333
16. Utility Adjustments	2,239	2,042	197
17. Erosion Control/Clear/Grade/Drain/Minor Structure	75,179	73,211	1,968
18. Subbase, Base, Surfacing, Shoulders	40,968	39,096	1,872
19. Railroad Grade Separations	1,401	1,401	
20. Highway Grade Separations without Ramps	36,089	36,089	
21. Interchanges			
22. Other Bridges, Tunnels, and Walls	36,262	35,575	687
23. Traffic Control	745	709	36
24. Environmental Mitigation	232,145	232,145	
25. Roadside Improvements:			
---- a. Landscape Planting	766	744	22
---- b. Rest Area, Overlooks			
26. All Other Items	34,360	34,140	220
27. Subtotal(lines 17 thru 26)	457,915	453,110	4,805
28. Construction Engineering(5.00000000% of line 27)	22,896	22,656	240
29. Total Cost of Construction(lines 27 & 28)	480,811	475,766	5,045
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	535,480	529,265	6,215



**Tennessee
 Appalachian Corridor K**
 Sheet 1 of 4
 Aug 1, 2012

0 1 2 Miles



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BMP 0.00
EMP 0.34

K02.0.0
BMP 0.34
EMP 1.48

K03.0.0
BMP 1.48
EMP 2.58

K04.0.0
BMP 2.58
EMP 4.99

K04.1.0
BMP 10.97
EMP 11.06

K04.2.0
BMP 11.06
EMP 11.29

K05.0.0
BMP 11.29
EMP 12.63

K05.1.0
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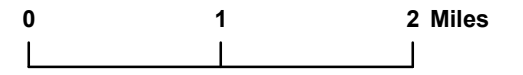
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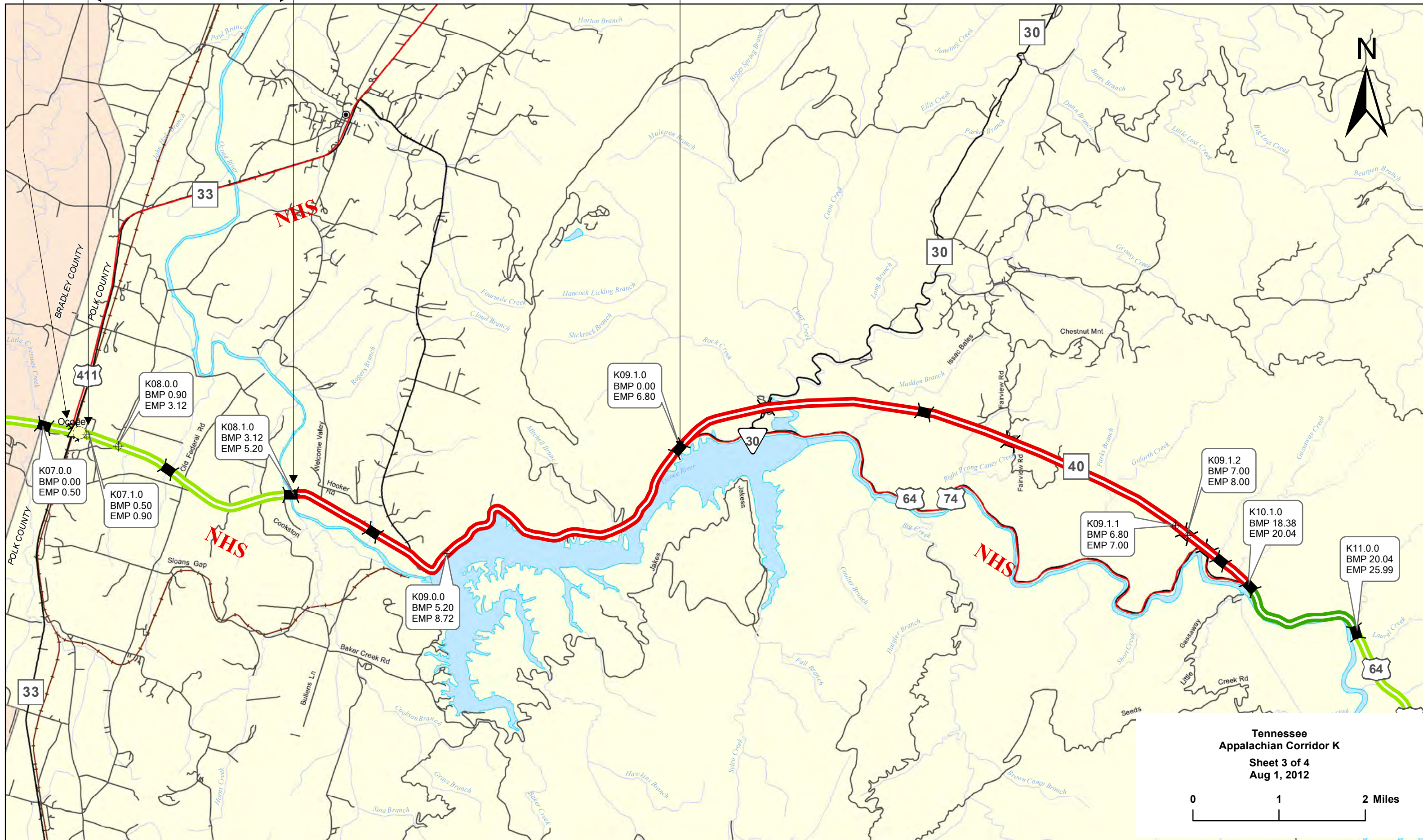
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K08.1.0
BMP 3.12
EMP 5.20

Tennessee
Appalachian Corridor K
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NHS

NHS

NHS

K08.0.0
BMP 0.90
EMP 3.12

K08.1.0
BMP 3.12
EMP 5.20

K09.1.0
BMP 0.00
EMP 6.80

K07.0.0
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EMP 0.90

K09.0.0
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EMP 8.72

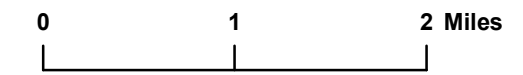
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K09.1.2
BMP 7.00
EMP 8.00

K10.1.0
BMP 18.38
EMP 20.04

K11.0.0
BMP 20.04
EMP 25.99

Tennessee
Appalachian Corridor K
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Aug 1, 2012



APD-14-(1)E

APD-40-I(19)C

APD-NHE-40(12)E

APD-40-I(14)C

APD-40-I(9)E

APD-40-I(31)C

APD-40-I(24)C

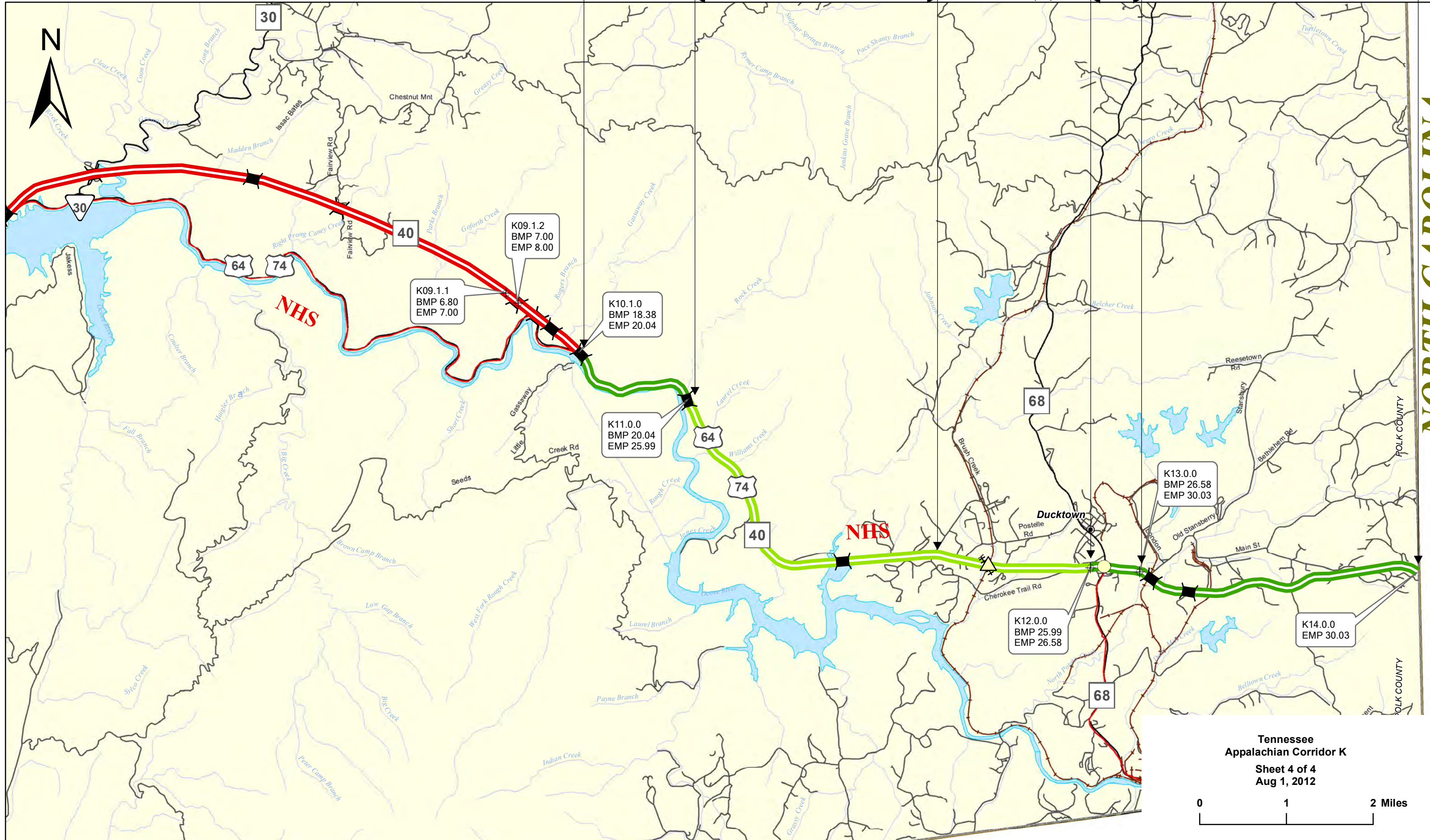
APD-40-I(11)C

APD-40-I(10)R

APD-57-I(1)E

APD-57-I(2)R&E

APD-57-I(13)C



Tennessee
 Appalachian Corridor K
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 Aug 1, 2012



2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: S

Section ID	S01.0.0	S02.0.0	S02.0.1	S02.1.0	S02.2.0	S03.0.0
LRS Milepoint: Beginning/Ending	0.410/2.790	2.790/3.150	3.150/3.900	3.900/5.370	5.370/6.800	6.800/7.100
Status	Stage Construction	Completed	Completed	Completed	Stage Construction	Completed
1. Finance Code	21	20	20	20	20	20
2. Section Length(Miles)	2.5	0.4	0.8	1.5	1.4	0.3
3. Class/Urban Code	U/476	U/476	U/476	U/476	U/476	U/476
4. Location:						
---- a. FIPS State/County/Congressional	47/63/1	47/63/1	47/63/1	47/63/1	47/63/1	47/63/1
---- b. HPMS Route/Subroute	32SR032001/0	32SR032001/0	32SR032001/0	32SR032001/0	32SR032001/0	32SR032001/0
---- c. HPMS Signed Route/Strip Map #	200000025E/S1	200000025E/S1	200000025E/S1	200000025E/S1	200000025E/S1	200000025E/S1
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)	19,750	15,850	15,850	15,850	24,980	21,840
---- b. ADT-Year 2020	21,730	22,210	22,210	22,210	27,480	30,580
---- c. Design Year	2,030	2,000	1,998	1,998	2,030	1,998
---- d. ADT-Design Year	23,700	15,800	14,000	14,000	29,980	20,400
---- e. DHV-Design Year	2,370	2,054	1,822	1,822	2,998	2,448
---- f. % Truck Design Year(DHV)	7	10	10	10	5	10
---- g. % Truck Design Year(ADT)	10	14	14	14	8	14
---- 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	D/None	B/None	B/None	B/None	B/None	B/None
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	3a3c	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	422	0	0	0	0	0
18. Subbase, Base, Surfacing, Shoulders	1,306	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	9,140	0	0	0	0	0
22. Other Bridges, Tunnels, and Walls	0	0	0	0	0	0
23. Traffic Control	71	0	0	0	0	0
24. Environmental Mitigation	0	0	0	0	0	0
25. Roadside Improvements:						
---- a. Landscape Planting	60	0	0	0	0	0
---- b. Rest Area, Overlooks	0	0	0	0	0	0
26. All Other Items	488	0	0	0	0	0
27. Subtotal(lines 17 thru 26)	11,487	0	0	0	0	0
28. Construction Engineering(5.00000000% of line 27)	574	0	0	0	0	0
29. Total Cost of Construction(lines 27 & 28)	12,061	0	0	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	12,664	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: TN

ADHS Corridor: S

Section ID	S04.0.0	S06.0.0	S08.0.0	S08.1.0	S09.0.0	S09.1.0
LRS Milepoint: Beginning/Ending	7.100/9.750	9.750/9.920	0.000/5.270	5.270/5.830	29.930/28.850	28.850/27.200
Status	Completed	Completed	Stage Construction	Completed	Completed	Completed
1. Finance Code	20	20	21	20	20	20
2. Section Length(Miles)	2.7	0.2	5.3	1.1	1.4	1.8
3. Class/Urban Code	U/476	U/476	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	47/63/1	47/63/1	47/57/3	47/57/3	47/57/3	47/57/3
---- b. HPMS Route/Subroute	32SR032001/0	32SR032001/0	29SR032001/0	29SR032001/0	29SR001001/0	29SR001001/0
---- c. HPMS Signed Route/Strip Map #	200000025E/S1	200000025E/S1	200000025E/S1	200000025E/S2	2000000011/S2	2000000011/S2
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	60	60	70	70	70	70
7. Traffic:						
---- a. ADT-Base Year (2010)	25,200	25,200	20,020	17,650	14,750	14,750
---- b. ADT-Year 2020	29,400	35,280	22,020	24,730	20,630	20,630
---- c. Design Year	2,007	1,998	2,030	2,015	2,015	2,015
---- d. ADT-Design Year	23,500	23,500	24,020	26,500	22,200	22,200
---- e. DHV-Design Year	3,055	3,055	2,402	3,445	2,886	2,886
---- f. % Truck Design Year(DHV)	8	8	7	8	11	11
---- g. % Truck Design Year(ADT)	12	12	11	12	13	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	A/None	A/None	B/None	B/Partial	B/Partial	B/None
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	3a3a	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	423	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	823	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	71	0	0	0
24. Environmental Mitigation	0	0	0	0	0	0
25. Roadside Improvements:						
---- a. Landscape Planting	0	0	100	0	0	0
---- b. Rest Area, Overlooks	0	0	3,111	0	0	0
26. All Other Items	0	0	124	0	0	0
27. Subtotal(lines 17 thru 26)	0	0	4,229	0	0	0
28. Construction Engineering(5.00000000% of line 27)	0	0	211	0	0	0
29. Total Cost of Construction(lines 27 & 28)	0	0	4,440	0	0	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	0	5,107	0	0	0

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: S

Section ID	S14.1.0	S15.0.0	S16.0.0	S18.0.0	S19.0.0	S19.1.0
LRS Milepoint: Beginning/Ending	15.500/17.060	0.000/7.470	7.470/8.880	8.880/10.990	10.990/12.990	12.990/16.710
Status	Completed	Stage Construction	Stage Construction	Stage Construction	Stage Construction	Completed
1. Finance Code	20	21	21	21	21	20
2. Section Length(Miles)	1.5	7.5	1.4	2.1	2	3.7
3. Class/Urban Code	R/0	R/0	R/0	R/0	R/0	R/0
4. Location:						
---- a. FIPS State/County/Congressional	47/57/3	47/25/3	47/25/3	47/25/3	47/25/3	47/25/3
---- b. HPMS Route/Subroute	29SR032001/1	13SR032001/0	13SR032001/0	13SR032001/0	13SR032001/0	13SR032001/0
---- c. HPMS Signed Route/Strip Map #	200000025E/S2	200000025E/S2	200000025E/S3	200000025E/S3	200000025E/S3	200000025E/S4
5. Estimate Section/NHS Designation	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS	1/NHS
6. Design Speed(mph)	55	70	70	70	70	70
7. Traffic:						
---- a. ADT-Base Year (2010)	8,650	10,180	10,180	19,400	16,520	18,250
---- b. ADT-Year 2020	12,130	11,200	11,200	21,340	18,170	25,570
---- c. Design Year	2,004	2,030	2,030	2,030	2,030	2,004
---- d. ADT-Design Year	9,700	13,420	13,420	23,280	19,820	20,600
---- e. DHV-Design Year	1,261	1,342	1,342	2,328	1,982	2,678
---- f. % Truck Design Year(DHV)	16	13	13	8	9	14
---- g. % Truck Design Year(ADT)	20	19	19	12	14	16
---- h. Directional Distribution Factor	60	60	60	60	60	60
8. Number of Lanes to be Constructed this Estimate	4	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	G/None	G/None	H/None	H/None	G/None	G/None
11. Right-of-Way Width(ft), prevailing	300	300	300	104	250	250
12. Median Width(ft), prevailing	14	14	14	12	12	12
13. Status of Development(Figure 4)	1a	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	0	668	518	540	537	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	336	427	82	0
17. Erosion Control/Clear/Grade/Drain/Minor Structure	0	6	211	211	211	0
18. Subbase, Base, Surfacing, Shoulders	0	310	434	652	621	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	4,570	4,570	4,570	0
22. Other Bridges, Tunnels, and Walls	0	0	0	0	0	0
23. Traffic Control	0	71	71	71	71	0
24. Environmental Mitigation	0	0	0	0	0	0
25. Roadside Improvements:						
---- a. Landscape Planting	0	40	40	40	40	0
---- b. Rest Area, Overlooks	0	6,222	0	0	0	0
26. All Other Items	0	31	55	65	62	0
27. Subtotal(lines 17 thru 26)	0	6,680	5,381	5,609	5,575	0
28. Construction Engineering(5.00000000% of line 27)	0	334	269	280	279	0
29. Total Cost of Construction(lines 27 & 28)	0	7,014	5,650	5,889	5,854	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	0	8,066	6,829	7,199	6,796	0

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: S

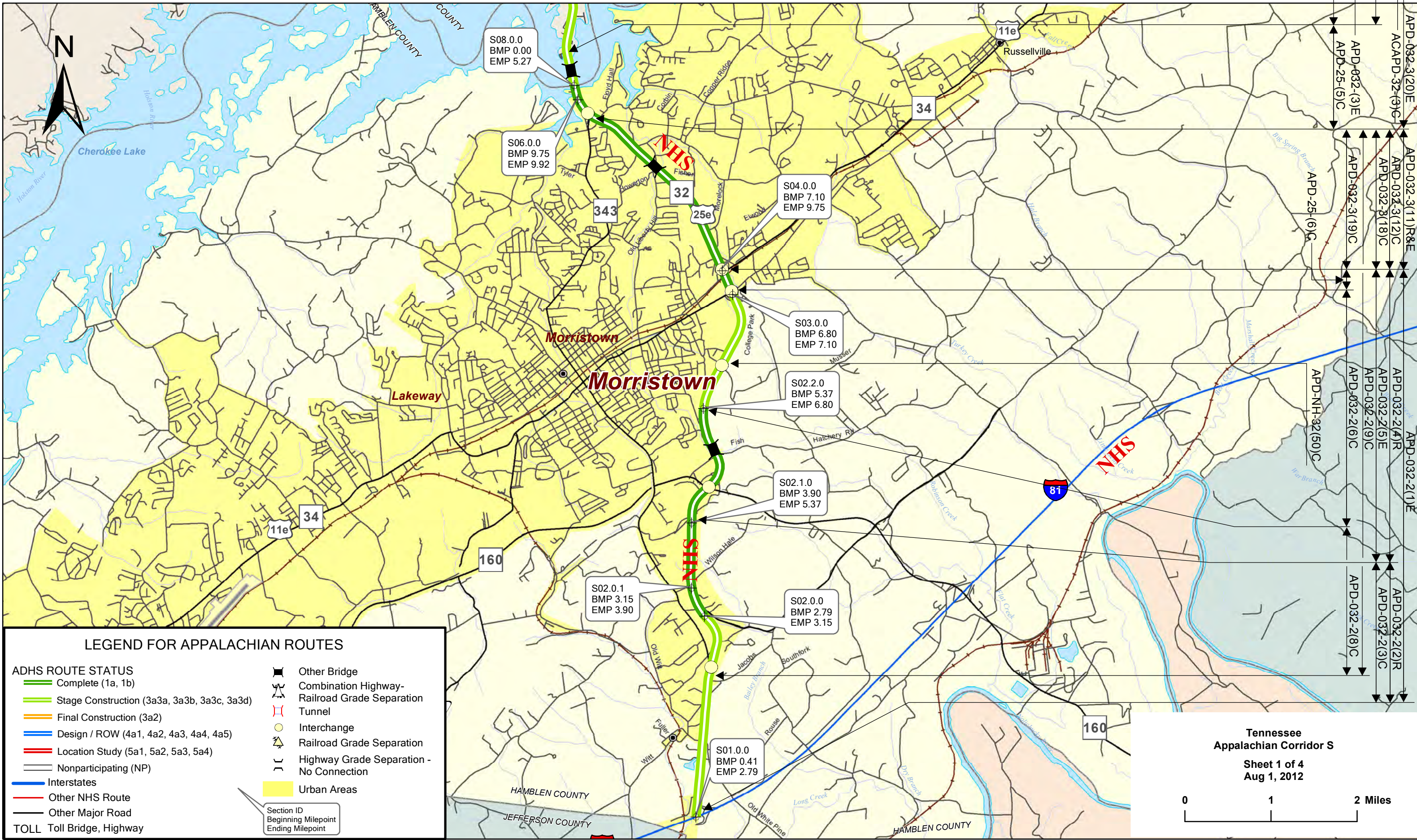
Section ID	S20.0.0
LRS Milepoint: Beginning/Ending	16.710/18.060
Status	Completed
1. Finance Code	20
2. Section Length(Miles)	1.4
3. Class/Urban Code	R/0
4. Location:	
---- a. FIPS State/County/Congressional	47/25/3
---- b. HPMS Route/Subroute	13SR032001/0
---- c. HPMS Signed Route/Strip Map #	200000025E/S4
5. Estimate Section/NHS Designation	1/NHS
6. Design Speed(mph)	60
7. Traffic:	
---- a. ADT-Base Year (2010)	18,250
---- b. ADT-Year 2020	25,570
---- c. Design Year	2,000
---- d. ADT-Design Year	18,300
---- e. DHV-Design Year	2,379
---- f. % Truck Design Year(DHV)	14
---- g. % Truck Design Year(ADT)	16
---- 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	B/None
11. Right-of-Way Width(ft), prevailing	200
12. Median Width(ft), prevailing	30
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(5.00000000% 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: TN

ADHS Corridor: S

Section ID LRS Milepoint	Corridor Total	Rural Subtotal	Urban Subtotal
1. Finance Code			
2. Section Length(Miles)	48.70	38.90	9.80
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	2,686	2,686	
15. Right-of-Way:			
---- a. Acquisition			
---- b. Relocation			
16. Utility Adjustments	845	845	
17. Erosion Control/Clear/Grade/Drain/Minor Structure	1,061	639	422
18. Subbase, Base, Surfacing, Shoulders	4,146	2,840	1,306
19. Railroad Grade Separations			
20. Highway Grade Separations without Ramps			
21. Interchanges	22,850	13,710	9,140
22. Other Bridges, Tunnels, and Walls			
23. Traffic Control	426	355	71
24. Environmental Mitigation			
25. Roadside Improvements:			
---- a. Landscape Planting	320	260	60
---- b. Rest Area, Overlooks	9,333	9,333	
26. All Other Items	825	337	488
27. Subtotal(lines 17 thru 26)	38,961	27,474	11,487
28. Construction Engineering(5.00000000% of line 27)	1,948	1,374	574
29. Total Cost of Construction(lines 27 & 28)	40,909	28,848	12,061
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	46,662	33,998	12,664



LEGEND FOR APPALACHIAN ROUTES

- ADHS ROUTE STATUS**
- Complete (1a, 1b)
 - Stage Construction (3a3a, 3a3b, 3a3c, 3a3d)
 - Final Construction (3a2)
 - Design / ROW (4a1, 4a2, 4a3, 4a4, 4a5)
 - Location Study (5a1, 5a2, 5a3, 5a4)
 - Nonparticipating (NP)
 - Interstates
 - Other NHS Route
 - Other Major Road
- TOLL** Toll Bridge, Highway
-
- Other Bridge
 - Combination Highway-Railroad Grade Separation
 - Tunnel
 - Interchange
 - Railroad Grade Separation
 - Highway Grade Separation - No Connection
 - Urban Areas
- Section ID
Beginning Milepoint
Ending Milepoint

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Appalachian Corridor S
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APD-25-(9)E

APD-032-3(13)E

0032 006 ER&C

ACAPD-32(3)C

APD-NH-32(20)

APD-25-(1)C

APD-032-3(216)E

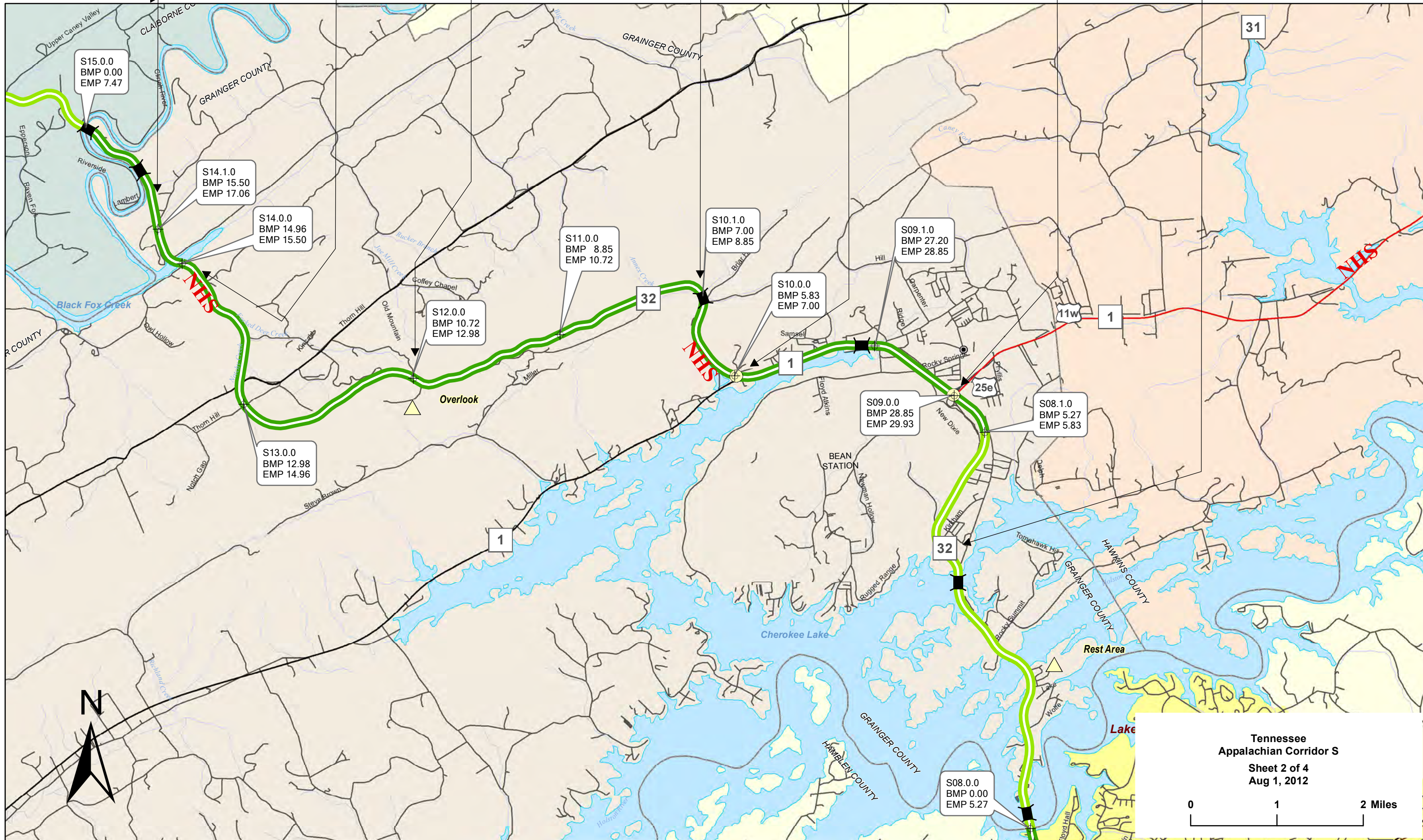
0032 010 C

APD-032-(3)E

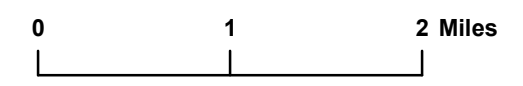
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APD-032-3(17)E

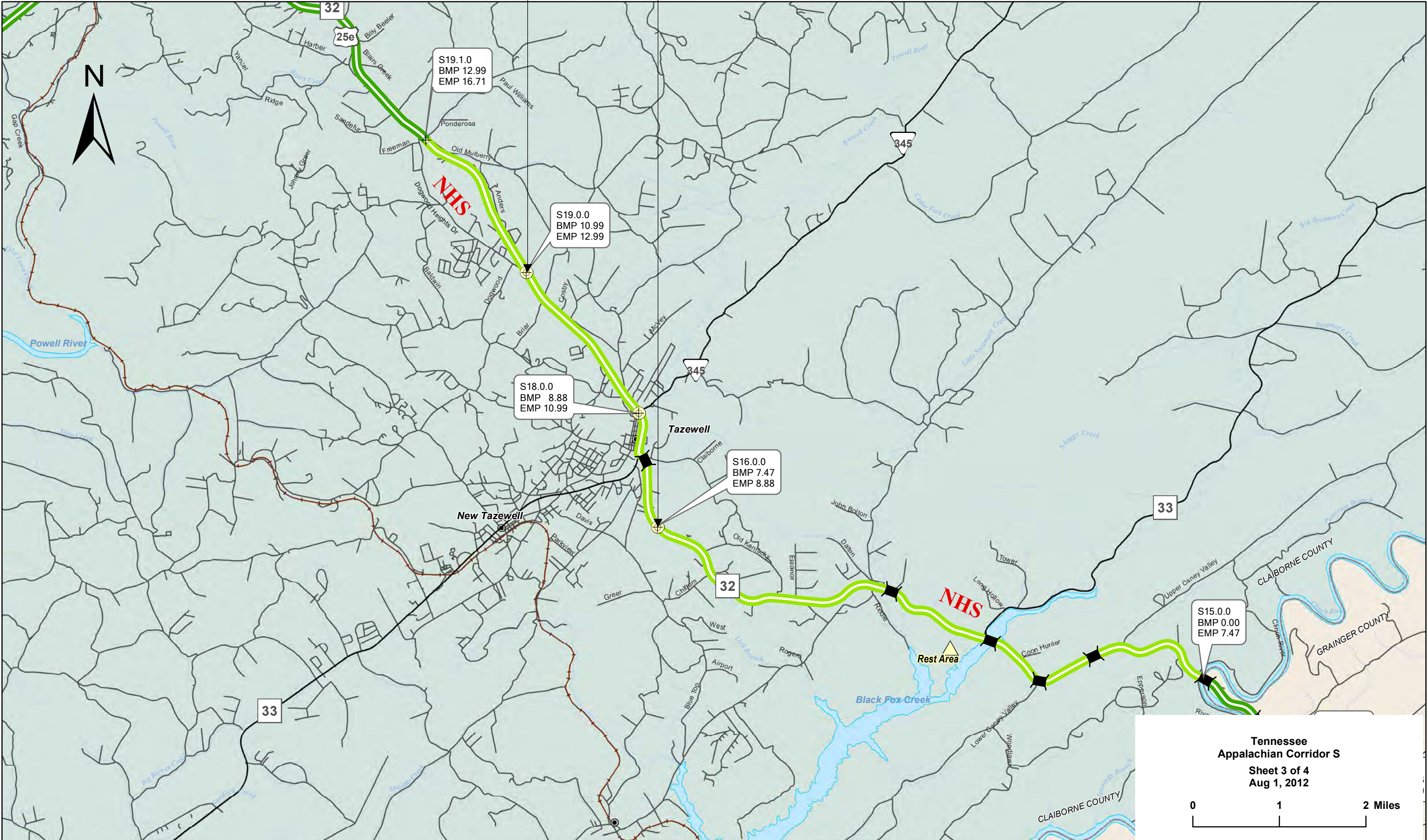
APD-001-9(36)E



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 Appalachian Corridor S
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APD-032-3(9)E		
APD-25-(9)E		
APD-NH-32(16)	APD-NH-32(21) C	APD-NH-32(20)
STP-NH-32(17)	032 015 R	APD-NH-32(18)



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 Appalachian Corridor S
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KENTUCKY

VIRGINIA

CLAIBORNE COUNTY

CLAIBORNE COUNTY

Cumberland Gap

F09.1.0
BMP 19.81
EMP 20.78

F09.0.0
BMP 18.06
EMP 19.81

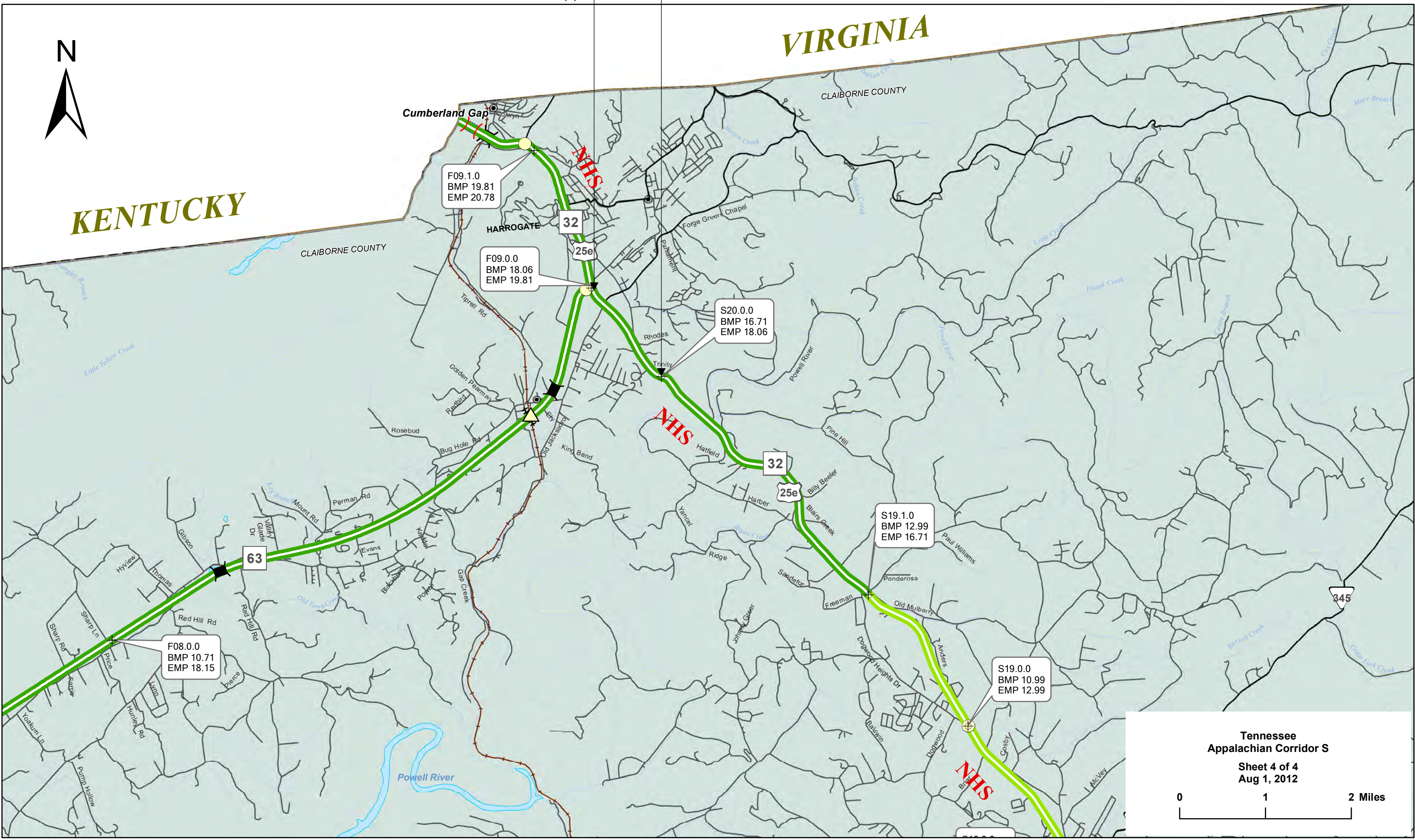
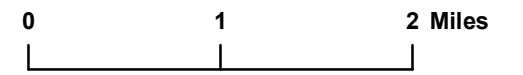
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EMP 18.06

S19.1.0
BMP 12.99
EMP 16.71

F08.0.0
BMP 10.71
EMP 18.15

S19.0.0
BMP 10.99
EMP 12.99

Tennessee
Appalachian Corridor S
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2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

State: TN

ADHS Corridor: V

Section ID	V01.0.0	V02.0.0
LRS Milepoint: Beginning/Ending	0.000/2.970	2.970/4.200
Status	Stage Construction	Stage Construction
1. Finance Code	21	20
2. Section Length(Miles)	2.5	1.3
3. Class/Urban Code	R/0	R/0
4. Location:		
---- a. FIPS State/County/Congressional	47/115/4	47/115/4
---- b. HPMS Route/Subroute	57SR027001/0	57SR027001/0
---- c. HPMS Signed Route/Strip Map #	2000000027/V1	2000000027/V1
5. Estimate Section/NHS Designation	1/NHS	1/NHS
6. Design Speed(mph)	50	50
7. Traffic:		
---- a. ADT-Base Year (2010)	13,370	23,420
---- b. ADT-Year 2020	14,710	25,760
---- c. Design Year	2,030	2,030
---- d. ADT-Design Year	16,040	28,100
---- e. DHV-Design Year	1,604	2,810
---- f. % Truck Design Year(DHV)	15	10
---- g. % Truck Design Year(ADT)	22	15
---- h. Directional Distribution Factor	55	60
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	B/Partial	F/None
11. Right-of-Way Width(ft), prevailing	300	300
12. Median Width(ft), prevailing	64	16
13. Status of Development(Figure 4)	3a3a	3a3c
Estimated Cost(\$1,000) per Work Classification		
14. Preliminary Engineering:		
---- a. Location	0	0
---- b. Design	2,544	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	18,281	0
22. Other Bridges, Tunnels, and Walls	0	0
23. Traffic Control	107	0
24. Environmental Mitigation	0	0
25. Roadside Improvements:		
---- a. Landscape Planting	11	0
---- b. Rest Area, Overlooks	6,222	0
26. All Other Items	817	0
27. Subtotal(lines 17 thru 26)	25,438	0
28. Construction Engineering(5.00000000% of line 27)	1,272	0
29. Total Cost of Construction(lines 27 & 28)	26,710	0
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	30,717	0

2012 Appalachian Development Highway System Cost Estimate
 Table B - Design Classification and Cost Estimate by Estimate Sections with Corridor Totals

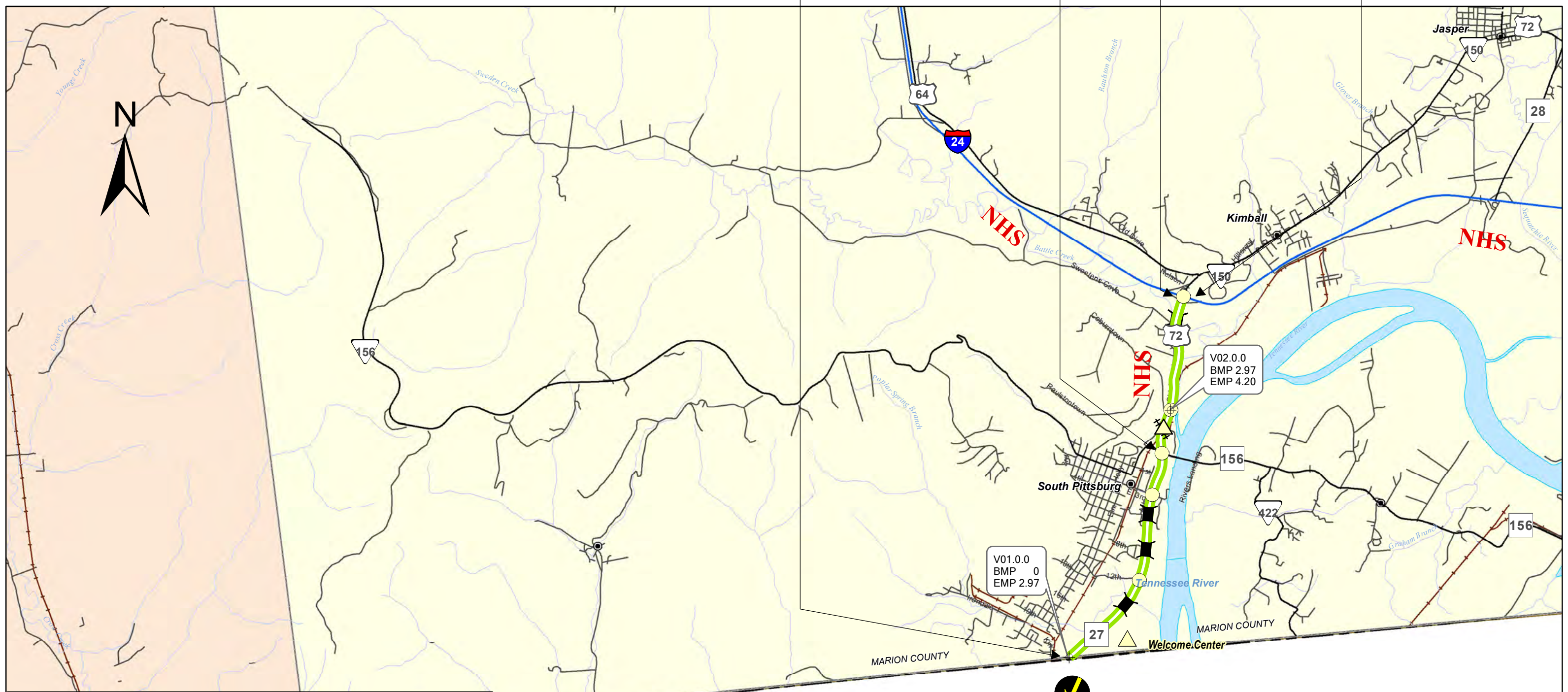
State: TN

ADHS Corridor: V

Section ID LRS Milepoint	Corridor Total	Rural Subtotal	Urban Subtotal
1. Finance Code			
2. Section Length(Miles)	3.80	3.80	0.00
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	2,544	2,544	
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	18,281	18,281	
22. Other Bridges, Tunnels, and Walls			
23. Traffic Control	107	107	
24. Environmental Mitigation			
25. Roadside Improvements:			
---- a. Landscape Planting	11	11	
---- b. Rest Area, Overlooks	6,222	6,222	
26. All Other Items	817	817	
27. Subtotal(lines 17 thru 26)	25,438	25,438	
28. Construction Engineering(5.00000000% of line 27)	1,272	1,272	
29. Total Cost of Construction(lines 27 & 28)	26,710	26,710	
30. Total Estimated Cost(lines 14, 15, 16, 29 & 5% Contingency)	30,717	30,717	

APD-013-(1)E
 APD-13-(7)E
 ACAPD-27-(34)R
 APD-27-(35)C

APD-NH-27(46)C



ALABAMA

LEGEND FOR APPALACHIAN ROUTES

- | | | |
|-------------------------------------|---|---|
| ADHS ROUTE STATUS | | Other Bridge |
| Complete (1a, 1b) | Stage Construction (3a3a, 3a3b, 3a3c, 3a3d) | Combination Highway-Railroad Grade Separation |
| Final Construction (3a2) | Design / ROW (4a1, 4a2, 4a3, 4a4, 4a5) | Tunnel |
| Location Study (5a1, 5a2, 5a3, 5a4) | Nonparticipating (NP) | Interchange |
| Interstates | Other NHS Route | Railroad Grade Separation |
| Other NHS Route | Other Major Road | Highway Grade Separation - No Connection |
| TOLL Toll Bridge, Highway | Urban Areas | Section ID |
| | | Beginning Milepoint |
| | | Ending Milepoint |

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 Appalachian Corridor V
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2012 Appalachian Development Highway System Cost Estimate

Table C State/Commonwealth of Tennessee

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		F		J	
Class: Rural or Urban	Rural	Urban	Rural	Urban	Rural	Urban
Length in miles	0.0	5.8	14.4	2.4	9.8	1.6
Total Mileage (Rural + Urban)	5.8		16.8		11.4	
Work Classification	Estimated Costs (\$1,000)					
14. Preliminary Engineering: a. Location	0	0	0	0	0	0
b. Design	0	0	0	137	1,677	319
15. Right-of-Way: a. Acquisition	0	0	0	0	5,718	0
b. Relocation	0	0	0	0	433	0
16. Utility Adjustments	0	0	0	0	1,664	0
17. Ersn Ctrl/Clear/Grade/Drain/Minor Structure	0	0	9,888	8	11,630	266
18. Subbase, Base, Surfacing, Shoulders	0	0	12,015	765	9,624	496
19. Railroad Grade Separations	0	0	0	0	0	975
20. Highway Grade Separation without Ramps	0	0	0	0	0	1,019
21. Interchanges	0	0	0	0	9,140	0
22. Other Bridges, Tunnels, and Walls	0	0	0	372	0	0
23. Traffic Control	0	0	273	49	384	214
24. Environmental Mitigation	0	0	0	0	0	0
25. Roadside Improvements: a. Landscape Planting	0	0	198	45	198	66
b. Rest Areas, Overlooks	0	3,000	2,649	0	3,111	0
26. All Other Items	0	0	1,410	132	2,581	153
27. Subtotal (Lines 17 through 26)	0	3,000	26,433	1,371	36,668	3,189
28. Construction E & C (5.00% of line 27)	0	150	1,322	69	1,833	159
29. Total Cost of Construction (lines 27 and 28)	0	3,150	27,755	1,440	38,501	3,348
30. Total Estimated Cost (lines 14, 15, 16, & 29)	0	3,308	29,142	1,655	50,393	3,851
31. Total Cost (Rural + Urban)	3,308		30,798		54,244	

2012 Appalachian Development Highway System Cost Estimate

Table C State/Commonwealth of Tennessee

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	J1		K		S	
Class: Rural or Urban	Rural	Urban	Rural	Urban	Rural	Urban
Length in miles	0.0	0.0	24.2	2.7	18.3	2.5
Total Mileage (Rural + Urban)	0.0		26.9		20.8	
Work Classification	Estimated Costs (\$1,000)					
14. Preliminary Engineering: a. Location	0	0	0	0	0	0
b. Design	0	0	18,057	0	2,686	0
15. Right-of-Way: a. Acquisition	0	0	7,343	344	0	0
b. Relocation	0	0	854	333	0	0
16. Utility Adjustments	0	0	2,042	197	845	0
17. Ersn Ctrl/Clear/Grade/Drain/Minor Structure	0	0	73,211	1,968	639	422
18. Subbase, Base, Surfacing, Shoulders	0	0	39,096	1,872	2,840	1,306
19. Railroad Grade Separations	0	0	1,401	0	0	0
20. Highway Grade Separation without Ramps	0	0	36,089	0	0	0
21. Interchanges	0	0	0	0	13,710	9,140
22. Other Bridges, Tunnels, and Walls	0	0	35,575	687	0	0
23. Traffic Control	0	0	709	36	355	71
24. Environmental Mitigation	0	0	232,145	0	0	0
25. Roadside Improvements: a. Landscape Planting	0	0	744	22	260	60
b. Rest Areas, Overlooks	0	0	0	0	9,333	0
26. All Other Items	0	0	34,140	220	337	488
27. Subtotal (Lines 17 through 26)	0	0	453,110	4,805	27,474	11,487
28. Construction E & C (5.00% of line 27)	0	0	22,656	240	1,374	574
29. Total Cost of Construction (lines 27 and 28)	0	0	475,766	5,045	28,848	12,061
30. Total Estimated Cost (lines 14, 15, 16, & 29)	0	0	529,265	6,215	33,998	12,664
31. Total Cost (Rural + Urban)	0		535,480		46,662	

2012 Appalachian Development Highway System Cost Estimate

Table C State/Commonwealth of Tennessee

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				Subtotal		State Total
	Rural	Urban	Rural	Urban	Rural	Urban	
Class: Rural or Urban							
Length in miles	2.5	0.0			69.2	15.0	
Total Mileage (Rural + Urban)	2.5						84.2
Work Classification	Estimated Costs (\$1,000)						
14. Preliminary Engineering: a. Location	0	0			0	0	0
b. Design	2,544	0			24,964	456	25,420
15. Right-of-Way: a. Acquisition	0	0			13,061	344	13,405
b. Relocation	0	0			1,287	333	1,620
16. Utility Adjustments	0	0			4,551	197	4,748
17. Ersn Ctrl/Clear/Grade/Drain/Minor Structure	0	0			95,368	2,664	98,032
18. Subbase, Base, Surfacing, Shoulders	0	0			63,575	4,439	68,014
19. Railroad Grade Separations	0	0			1,401	975	2,376
20. Highway Grade Separation without Ramps	0	0			36,089	1,019	37,108
21. Interchanges	18,281	0			41,131	9,140	50,271
22. Other Bridges, Tunnels, and Walls	0	0			35,575	1,059	36,634
23. Traffic Control	107	0			1,828	370	2,198
24. Environmental Mitigation	0	0			232,145	0	232,145
25. Roadside Improvements: a. Landscape Planting	11	0			1,411	193	1,604
b. Rest Areas, Overlooks	6,222	0			21,315	3,000	24,315
26. All Other Items	817	0			39,285	993	40,278
27. Subtotal (Lines 17 through 26)	25,438	0			569,123	23,852	592,975
28. Construction E & C (5.00% of line 27)	1,272	0			28,456	1,193	29,649
29. Total Cost of Construction (lines 27 and 28)	26,710	0			597,579	25,045	622,624
30. Total Estimated Cost (lines 14, 15, 16, & 29)	30,717	0			673,514	27,693	
31. Total Cost (Rural + Urban)	30,717						701,208

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 Tennessee

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

Page 1 of 1

State/Commonwealth of Tennessee

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
SAFETEA-LU	1702	S	HY10	Hamblen County, U.S.-25E Interchange Improvements	160,000	23,124
SAFETEA-LU	1702	S	LY10	Hamblen County, U.S.-25E Interchange Improvements	641,180	58,135
Fiscal Year 03 Appropriations Act	Division I, Title I, P.L. 108-7	Any corridor	54H0	Any eligible project	10,792,352	10,792,352
Fiscal Year 02 Appropriations Act	Conf. Report, Page 13, P.L.107-87	Any corridor	54G0	Any eligible project	12,344,275	12,344,275
Consolidated Appropriations Act of 2004	Division F, Title I, P.L. 108-199	Any corridor	54K0	Any eligible project	6,135,722	6,135,722