

ABOUT THE LILLY BRIDGE REPLACEMENT PROJECT

STATE PROJECT #345-20-9.07

FEDERAL PROJECT #BR-0020(164)E

- The West Virginia Department of Transportation in cooperation with the Federal Highway Administration is seeking comments regarding the replacement of the Lilly Bridge. Several alternatives were studied including a rehabilitation option.
- The preferred alternative consists of replacing the bridge with a new bridge 60 feet upstream. A new intersection for Summers County Route 20/2 and WV 20 will be constructed. The proposed bridge will be approximately 1225 feet and the overall project length will be 2450 feet. Traffic will be maintained on the existing bridge during construction. The estimated cost is \$13,897,300 and a construction time of 2.5 years.
- The project will relieve the current restrictions for weight and height on the existing bridge. The 2004 Average Daily Traffic is 2,300 vehicles per day and is projected to be 3400 vehicles per day in 2024.
- The current Lilly Bridge is located in Summers County on WV Route 20, approximately 0.25 miles south of Summers County Route 20/2. The bridge was built in 1950 by Virginia Bridge Company and spans the Bluestone Lake. It is a 5-span cantilevered thru-truss supported by concrete abutments and 4 concrete piers. It has an overall length of 1163 feet 10 inches.
- The Lilly Bridge was concurred in by the SHPO on March 5, 2010 to be eligible for the National Register of Historic Places under Criterion A and Criterion C for its association with the Virginia Bridge Company and its cantilevered truss design. It is eligible under Criterion A for its association with the creation of the Bluestone Dam as part of the Flood Control Acts of 1936 and 1938. The bridge was built in to span the newly created Bluestone Lake and was named in honor of the flooded town of Lilly. There are only 7 remaining cantilever truss bridges in West Virginia.

- Comments regarding the project may be mailed to the West Virginia Division of Highways at the address listed below on or before date January 3, 2011. Comments can also be submitted on the web under Comment on Projects at www.transportation.wv.gov.

Mr. Gregory L. Bailey, P.E.

Director, Engineering Division

West Virginia Division of Highways

Capitol Complex Building Five

1900 Kanawha Boulevard East

Charleston, West Virginia 25305-0430

DATE: November 23, 2010

Mr. Gregory L. Bailey, P.E.
Director, Engineering Division
West Virginia Division of Highways
State Capitol Complex, Building 5
1900 Kanawha Boulevard East
Charleston, West Virginia 25305-0430

DATE:
LOCATION:
SUBJECT:
PROJECT: Lilly Bridge Replacement
Summers County
State Project #S345-20-9.07
Federal Project #BR-0020(164)E

COMMENTS DUE BY January 3, 2011

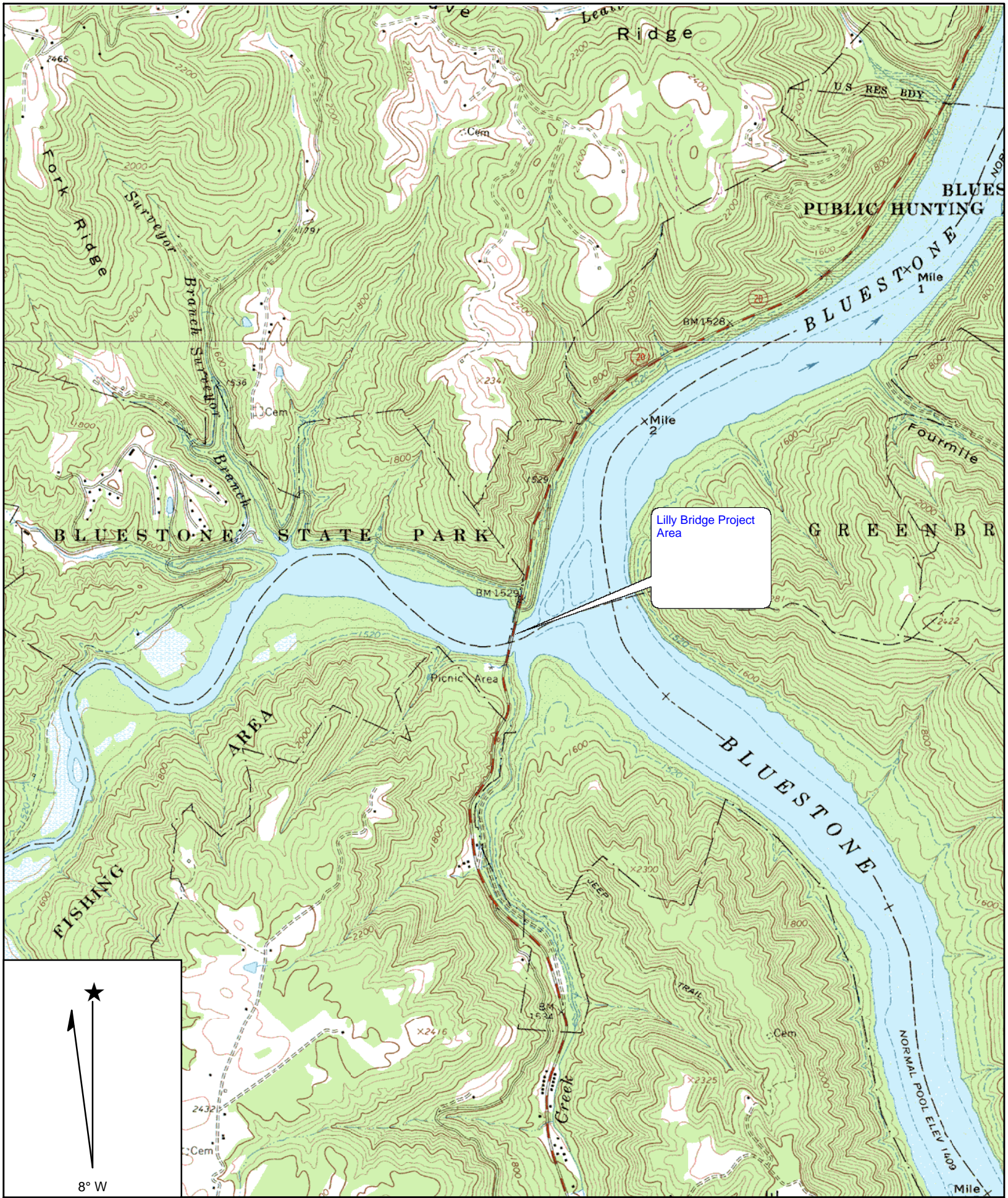
Please consider the following comments:

(Please print the following information)

NAME:

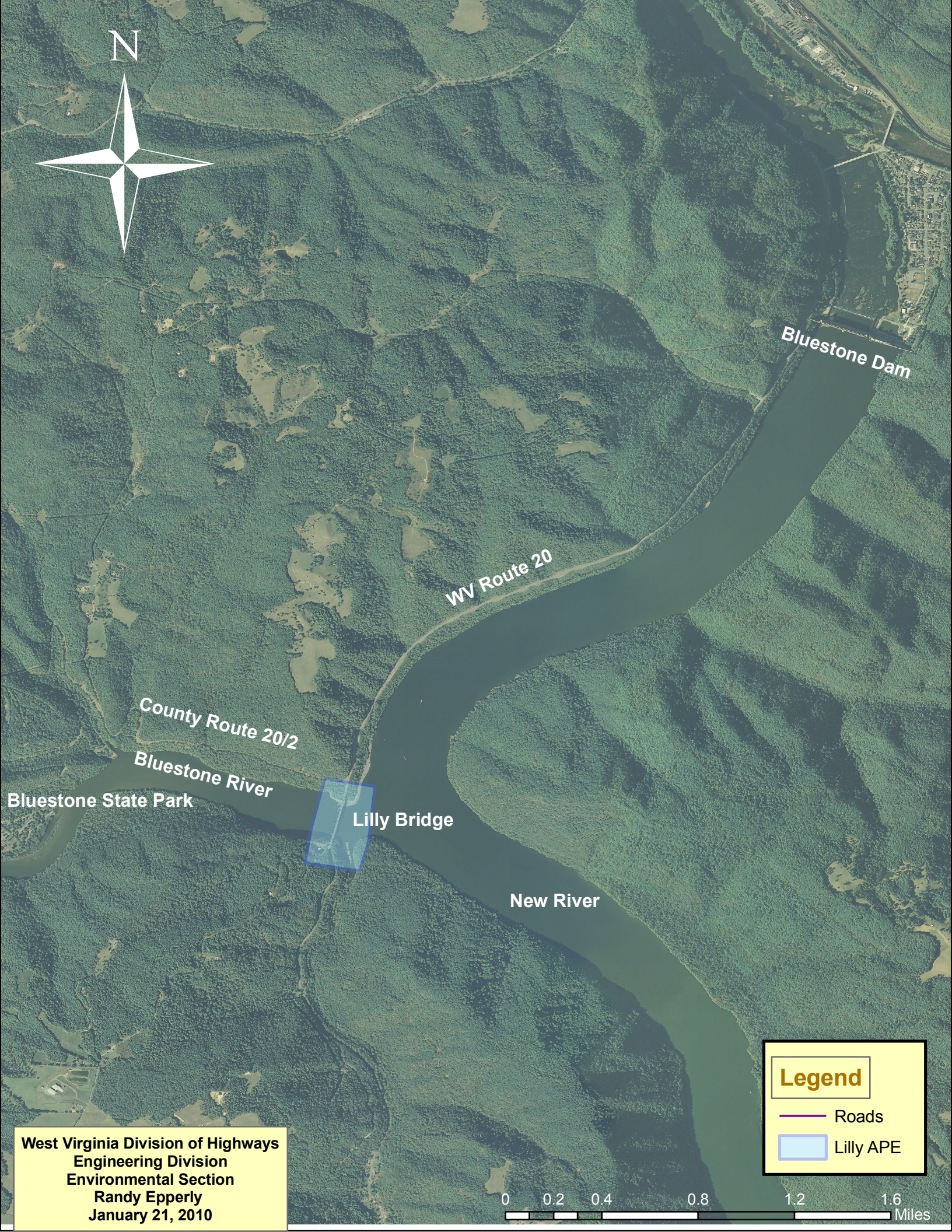
ADDRESS:

ORGANIZATION (IF ANY):



Name: PIPESTEM
 Date: 6/9/2010
 Scale: 1 inch equals 2000 feet

Location: 17 0507227 E 4162889 N
 Caption: Lilly Bridge
 Summers County



Bluestone Dam

WV Route 20

County Route 20/2

Bluestone River

Bluestone State Park

Lilly Bridge

New River

Legend

- Roads
- Lilly APE

West Virginia Division of Highways
Engineering Division
Environmental Section
Randy Epperly
January 21, 2010

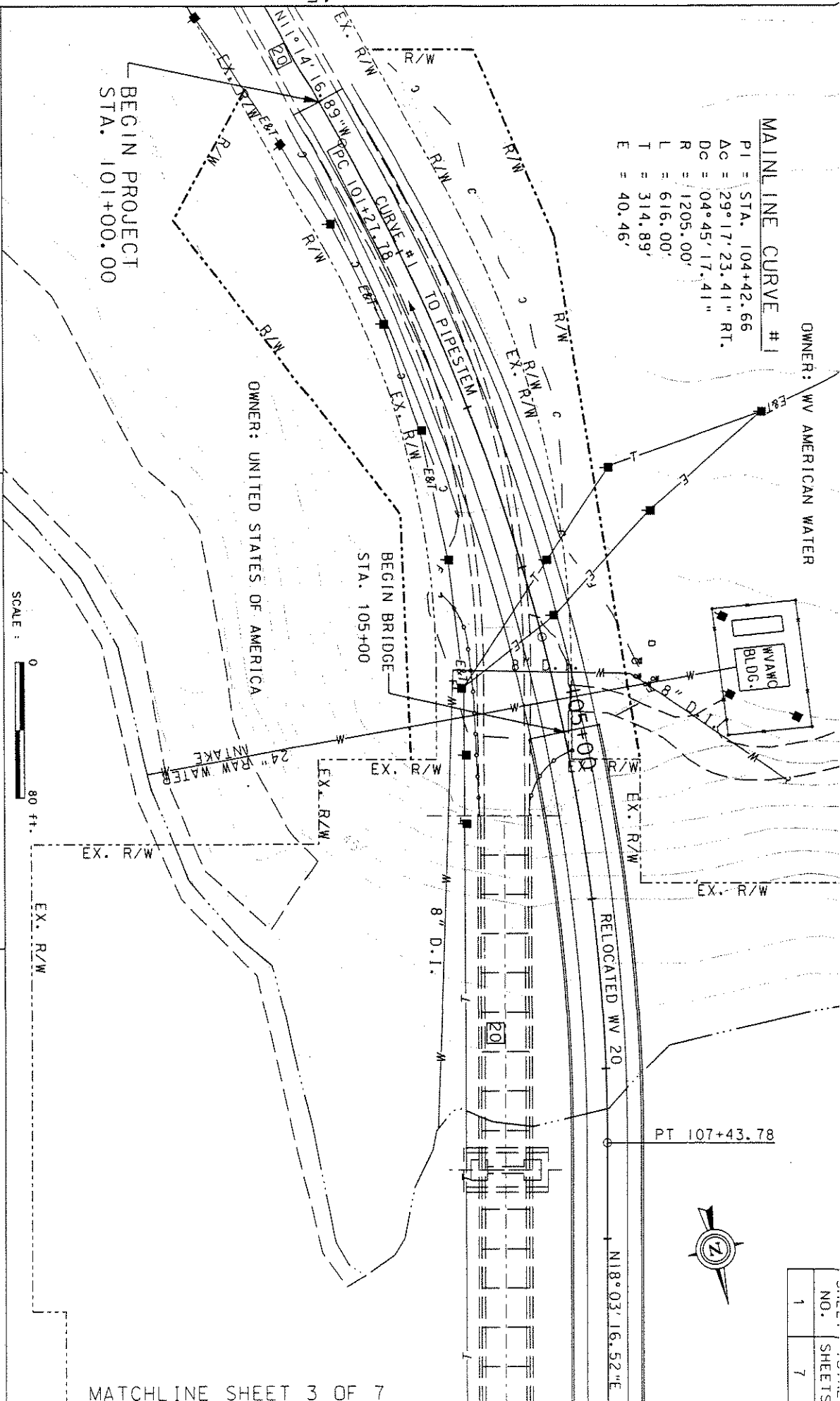


OWNER: WV AMERICAN WATER

MAINLINE CURVE #1

PI = STA. 104+42.66
 Δc = 29°17'23.41" RT.
 Δc = 04°45'17.41"
 R = 1205.00'
 L = 616.00'
 T = 314.89'
 E = 40.46'

NO.	SHEETS
1	7



BEGIN PROJECT
STA. 101+00.00

BEGIN BRIDGE
STA. 105+00

OWNER: UNITED STATES OF AMERICA

FINAL FEASIBILITY STUDY

LILLY BRIDGE
 STATE PROJECT S345-20-9.07 00
 FEDERAL PROJECT BR-0020(164)E
 SUMMERS COUNTY
ALTERNATIVE 1
 60' UPSTREAM

ESTIMATED COST

BRIDGE	\$ 9,369,213
APPROACH ROADWAY	1,113,000
20% CONTINGENCY ON BRIDGE AND ROADWAY	2,096,460
DISMANTLING EXISTING BRIDGE	1,000,000
RIGHT OF WAY / UTILITIES	237,000
MAINTENANCE OF TRAFFIC	81,600
TOTAL	\$13,897,300

ESTIMATED PROJECT LENGTH

BRIDGE LENGTH:	1225 L.F.
ROADWAY LENGTH:	1225 L.F.
TOTAL LENGTH:	2450 L.F.



FINAL FEASIBILITY STUDY

LILLY BRIDGE
 STATE PROJECT S345-20-9.07 00
 FEDERAL PROJECT BR-0020(164)E
 SUMMERS COUNTY

ALTERNATIVE 1
 60' UPSTREAM

ESTIMATED COST

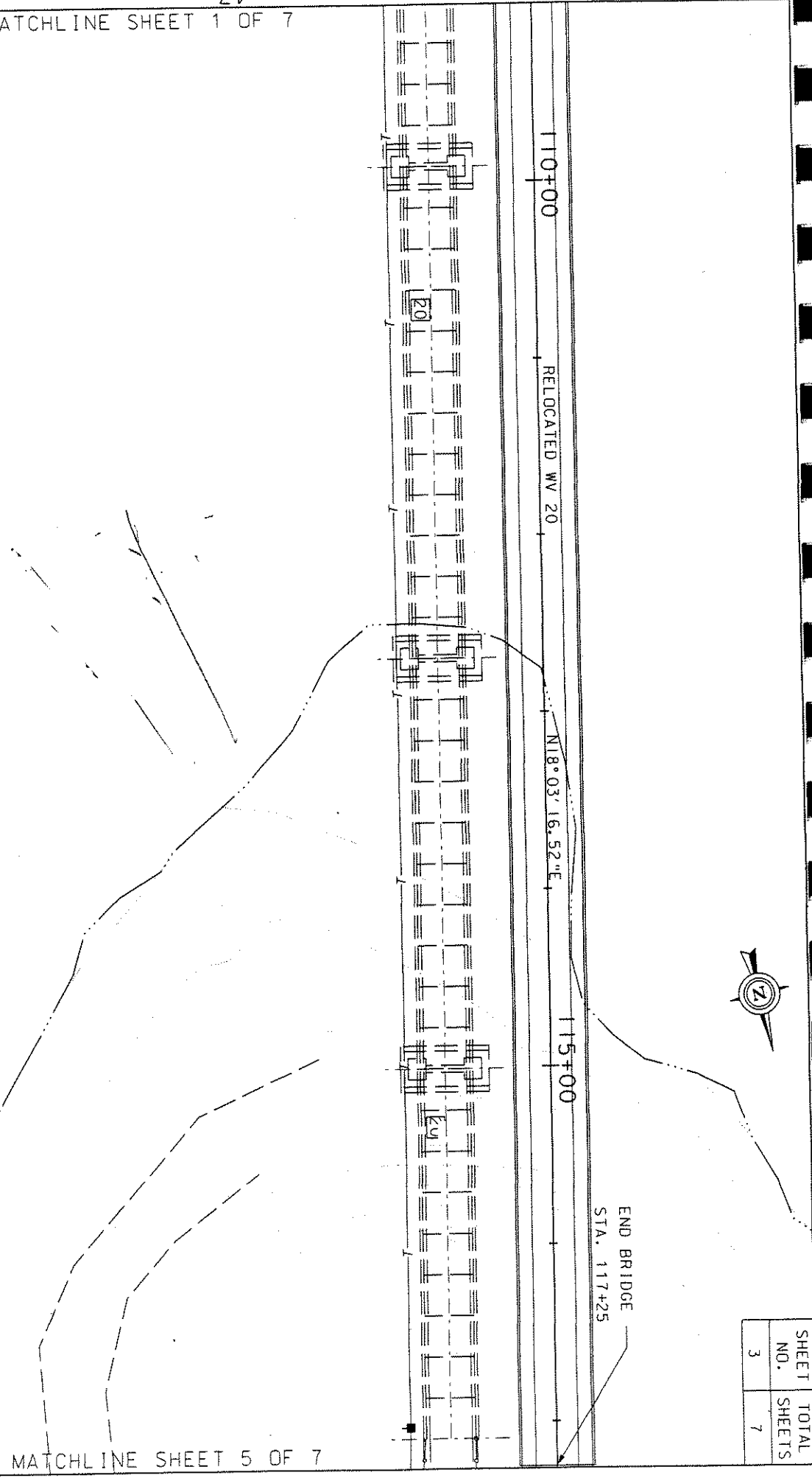
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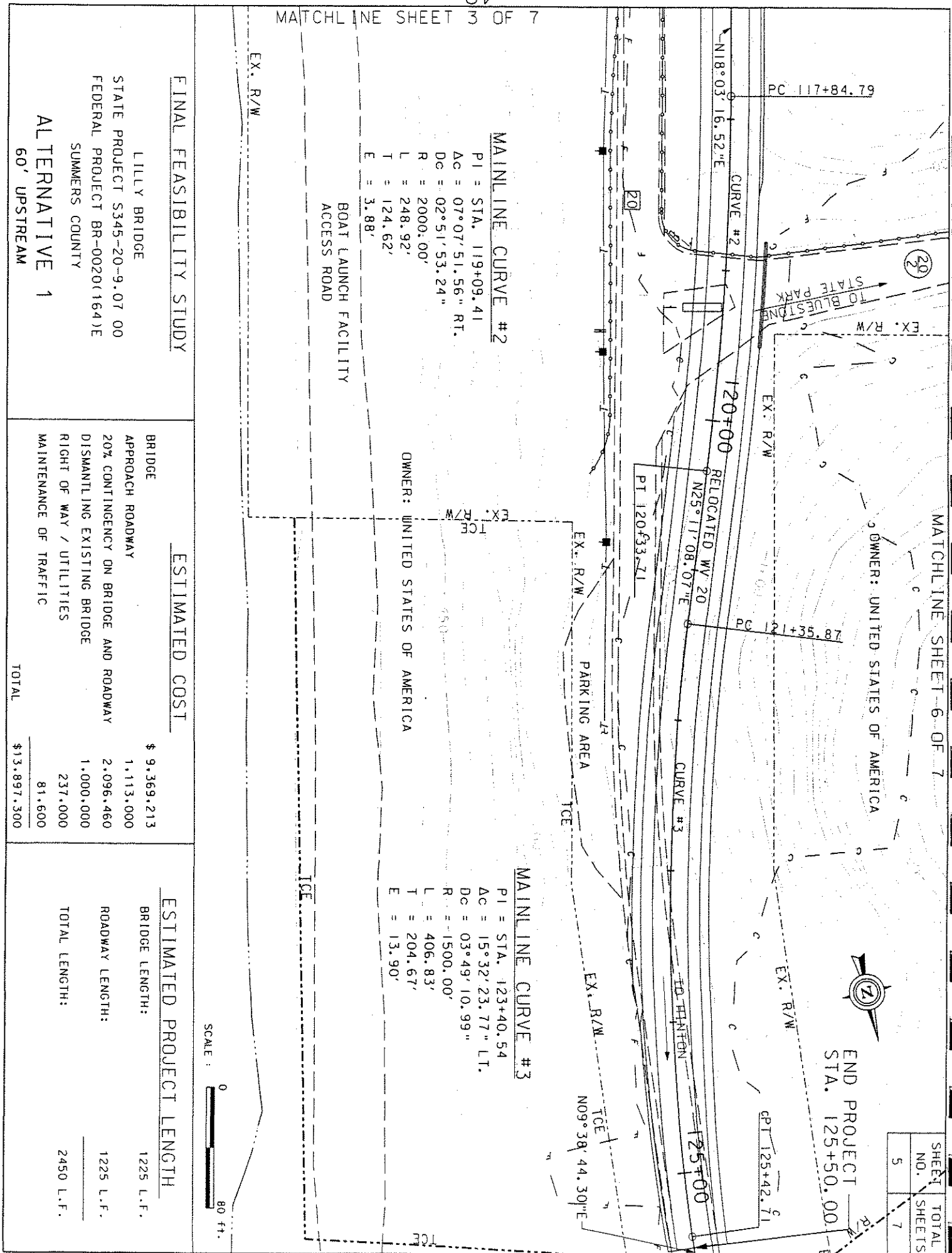
EX. R/W



SHEET NO.	TOTAL SHEETS
3	7

SHEET NO.	TOTAL SHEETS
5	7

END PROJECT STA. 125+50.00



MAINLINE CURVE #2

PI = STA. 119+09.41
 ΔC = 07°07'51.56" RT.
 Dc = 02°51'53.24"
 R = 2000.00'
 L = 248.92'
 T = 124.62'
 E = 3.88'

MAINLINE CURVE #3

PI = STA. 123+40.54
 ΔC = 15°32'23.77" LT.
 Dc = 03°49'10.99"
 R = 1500.00'
 L = 406.83'
 T = 204.67'
 E = 13.90'

BOAT LAUNCH FACILITY
 ACCESS ROAD

PARKING AREA

FINAL FEASIBILITY STUDY

LILLY BRIDGE
 STATE PROJECT S345-20-9.07 00
 FEDERAL PROJECT BR-0020(164)E
 SUMMERS COUNTY

ALTERNATIVE 1
 60' UPSTREAM

ESTIMATED COST

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ESTIMATED PROJECT LENGTH

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ROADWAY LENGTH:	1225 L.F.
TOTAL LENGTH:	2450 L.F.







RECEIVED

MAR 10 2010

ENGINEERING DIVISION
WV DOH

The Culture Center
1900 Kanawha Blvd., E.
Charleston, WV 25305-0300

Randall Reid-Smith, Commissioner

Phone 304.558.0220 • www.wvculture.org
Fax 304.558.2779 • TDD 304.558.3562

EEO/AA Employer

March 5, 2010

Mr. Gregory L. Bailey, PE
Director
WV DOH
Building Five, Room 110
Capitol Complex
Charleston, WV 25305

RE: Lilly Bridge Replacement
State Project S345-20-9.07
FR#: 10-501-SU

Dear Mr Bailey:

We have reviewed the above referenced project to determine potential effects to cultural resources. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

According to submitted information, the project will involve demolishing the existing Lilly Bridge and the preferred alternative will involve replacing the existing bridge, with a new bridge 60 feet upstream. It is our understanding that your staff is requesting concurrence on the National Register Eligibility of this bridge.

Architectural Resources:

Submitted information indicates that it is your staff's opinion that Lilly Bridge is eligible for listing in the National Register of Historic Places under Criterion A. We concur with this assessment. It is also your staff's opinion that the Lilly Bridge is not eligible under Criterion C because of alterations. We do not agree with this assessment. According to the *National Register Bulletin, How to Apply the National Register Criteria for Evaluation*, "a property that has lost some of its historic materials or details can be eligible if it retains the majority of the features that illustrate its style in terms of massing, spatial relationships, proportions,texture of materials and ornamentation." Our office can not rule out eligibility under Criterion C based on the submitted information.

We look forward to receiving further information on this project and suggest that your office

March 5, 2010
Mr. Bailey
FR#: 10-501-SU
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contact the following agency for their comment as well. Please forward any comments received to our office.

Summers County Historic Landmarks Commission
201 Temple Street
Hinton, WV. 25951

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the Section 106 process, please contact Aubrey Von Lindern, Historian in the Historic Preservation Office at (304) 558-0240.*

Sincerely,



Susan M. Pierce
Deputy State Historic Preservation Officer

SMP/ACV

RECEIVED

JUN 01 2010

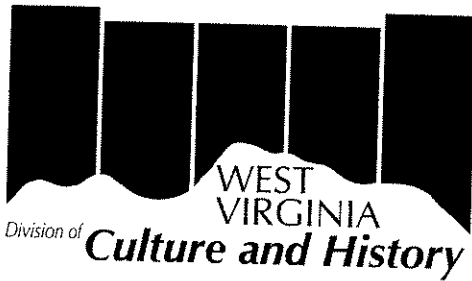
ENGINEERING DIVISION
WV DOH

The Culture Center
1900 Kanawha Blvd., E.
Charleston, WV 25305-0300

Randall Reid-Smith, Commissioner

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Fax 304.558.2779 • TDD 304.558.3562

EEO/AA Employer



May 21, 2010

Mr. Gregory E. Bailey, Director
WV Division of Highways
Capitol Complex
Building Five, Room 110
Charleston, WV 25305

RE: Lilly Bridge
State Project: S345-20-9.07; Federal Project: BR-0020(164)E
FR#: 10-501-SU-1

Dear Mr. Bailey:

We have reviewed the Archaeological Survey Data report that was submitted for the above referenced project to determine its effects to cultural resources. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

According to submitted project information, the West Virginia Division of Highways (DOH) is proposing to replace the Lilly Bridge, which was built in 1950 and carries traffic over Bluestone Lake on WV Route 20 in Summers County. It is our understanding that the bridge will be replaced 60 feet upstream from the existing bridge, a new intersection will be constructed and that traffic will be maintained on the existing bridge during construction.

Archaeological Resources:

According to the report, a portion of the project area was surveyed in 1994 under FR# 94-314-SU during which no cultural resources were identified. It is our understanding that pedestrian survey conducted within the remainder of the project area confirmed the presence of steeply sloped terrain. No cultural materials were identified. We concur that encountering significant archaeological sites is unlikely and that further investigations are not necessary. In our opinion, there are no archaeological resources within the proposed project area that are eligible for inclusion in the National Register of Historic Places.

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the Section 106 process, please contact Lora A. Lamarre, Senior Archaeologist, at (304) 558-0240.*

Sincerely,

Susan M. Pierce
Deputy State Historic Preservation Officer

SMP/LAL



The Culture Center
1900 Kanawha Blvd., E.
Charleston, WV 25305-0300

Randall Reid-Smith, Commissioner

Phone 304.558.0220 • www.wvculture.org
Fax 304.558.2779 • TDD 304.558.3562

EEO/AA Employer

August 23, 2010

Mr. Gregory L. Bailey, PE
Director
WV DOH
Building Five, Room 110
Capitol Complex
Charleston, WV 25305

RE: Lilly Bridge Replacement
State Project S345-20-9.07
FR#: 10-501-SU-2

Dear Mr Bailey:

We have reviewed the above referenced project to determine potential effects to cultural resources. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

Thank you for submitting the Memorandum of Agreement for the Lilly Bridge Replacement Project. We are not able to sign the agreement at this time. It is your opinion that the proposed project will have a direct adverse effect on the bridge. We concur with this finding. Some discussion has been provided regarding consideration of alternatives; however, it is our opinion that the Section 106 process of *avoiding, minimizing or mitigating* the effects has not been sufficiently addressed.

Please advise, since the new bridge will be constructed 60 feet upstream, why this bridge could not be left in place, repaired and maintained as a pedestrian bridge. It is our opinion that this bridge is locally significant and should be retained as part of mitigation. Please submit a feasibility study for converting this bridge into a pedestrian bridge. Additionally, we suggest that you contact the Division of Natural Resources to see if they, in conjunction with Division of Highways or independently, would be interested in maintaining the bridge as part of Bluestone State Park, which is located just northwest of the bridge. The bridge would offer a wonderful opportunity for locals and tourists, whether stopping via car, walking, or by bicycle, a perfect opportunity to view sweeping views of Bluestone River and Lake and be a wonderful addition to this already scenic and well traveled area.

August 23, 2010
Mr. Bailey
Fr#: 10-501-SU-2
Page 2

We ask that you forward any comments from the Division of Natural Resources to our office for review. We will comment further upon receipt of the requested information.

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the Section 106 process, please contact Aubrey Von Lindern, Historian in the Historic Preservation Office at (304) 558-0240.*

Sincerely,

A handwritten signature in cursive script that reads "Susan M. Pierce". The signature is written in black ink and is positioned above the printed name.

Susan M. Pierce
Deputy State Historic Preservation Officer

SMP/ACV



The Culture Center
1900 Kanawha Blvd., E.
Charleston, WV 25305-0300

Randall Reid-Smith, Commissioner

Phone 304.558.0220 • www.wvculture.org
Fax 304.558.2779 • TDD 304.558.3562

EEO/AA Employer

October 8, 2010



OCT 13 2010

ENGINEERING DIVISION
WV DOH

Mr. Gregory L. Bailey, PE
Director
WV DOH
Building Five, Room 110
Capitol Complex
Charleston, WV 25305

RE: Lilly Bridge Replacement
State Project S345-20-9.07
FR#: 10-501-SU-3

Dear Mr Bailey:

We have reviewed the above referenced project to determine potential effects to cultural resources. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

Thank you for submitting the information requested, however, we are still unable to complete our review with information provided. In our previous letter we asked for a feasibility study to determine if it would be possible for Division of Highways or another agency to maintain this bridge for bicycle and pedestrian use.

As requested, your office sought information from several agencies who expressed no interest in the bridge, however, there was no justification from DOH why they could not maintain it for pedestrians and bicyclists. The only DOH correspondence is from Adrian Lusk, Bridge Engineer, who states that the bridge is posted for no pedestrians and that since "traffic flies across it, bikes would become hood ornaments". However, when the new bridge for vehicular use is open upstream, the historic bridge would be opened for pedestrians and bicyclists only, therefore eliminating the hazards that Mr. Lusk mentioned. It is our opinion that the statement from Mr. Lusk does not constitute a feasibility study. We request completion of a feasibility study that outlines the steps it would take to convert this bridge for pedestrian and bicycle use only and why it is or is not feasible for this important resource.

October 8, 2010
Mr. Bailey
Fr#: 10-501-SU-2
Page 3

It is our opinion that this bridge is a perfect opportunity for the Division of Highways to explore creative mitigation. It is our understanding that there is a parking lot located on the north side of the bridge, near Bluestone Lake and Bluestone Lake State Park is located just north of the bridge as well. Visitors to the park, tourists and locals could utilize this bridge to take pictures and bicyclists could use the bridge as an alternate route rather than using the same bridge as vehicles. Signs could be placed on the bridge that illustrate the importance of the bridge and the history of Bluestone Lake and Dam. With a little creativity this bridge could be saved and DOH could make a valuable contribution to promoting heritage tourism to this region. We will provide further comments upon receipt of the requested information.

Public Comment

Additionally, we ask that you contact the following organizations and notify them of your intent to demolish the Lily Bridge. Please forward any comments received to our office for review.

Ms. Christy Bailey
Executive Director
Coal Heritage Highway Authority
P.O. Box 5176
Beckley, WV 25801

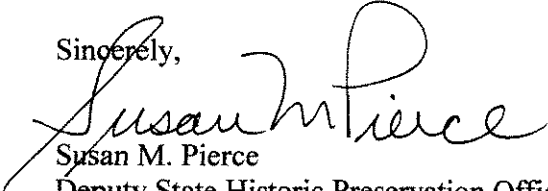
Mr. Stephen Trail
Hinton Historic Landmarks Commission
P.O. Box 477
Hinton, WV 25951

Three Rivers Travel Council
200 Ballengee Street
Hinton, WV 25951

Summers County Historical Society
P.O. Box 1335
Hinton, WV 25951

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the Section 106 process, please contact Aubrey Von Lindern, Historian in the Historic Preservation Office at (304) 558-0240.*

Sincerely,


Susan M. Pierce
Deputy State Historic Preservation Officer

SMP/ACV