

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

FILE BHF-018-1(41) Bartow County OFFICE Preconstruction  
P.I. No. 620830 TDM-2  
Sufficiency Rating 61.6; 60.4; 60.2 DATE May 1, 1987

*R.L. Alston*  
FROM R. L. Alston, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL - BRIDGES AT PETIT CREEK AND ETOWAH OVERFLOWS

Attached for your files is the approval for subject project.

RLA/se

Attachment

## DISTRIBUTION:

Alton L. Dowd, Jr.  
Robert E. Humphrey  
Peter Malphurs  
Gene Skeen  
Walker Scott  
Charles Lewis

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE	BHF-018-1(41) Bartow County P.I. No. 620830 TDM-2 Sufficiency Rating 61.6; 60.4; 60.2	OFFICE	Preconstruction
		DATE	March 31, 1987
FROM	Alton E. Crowe, Jr., Director of Preconstruction		
TO	Thomas D. Moreland, Commissioner		
SUBJECT	BRIDGE WIDENING AT PETTIT CREEK & BRIDGE REPLACEMENT AT ETOWAH OVERFLOWS - PROJECT CONCEPT REPORT		

This project is the widening of the bridge at Pettit Creek and the replacement of 2 bridges at Etowah River overflows, all on SR 61/113 southwest of Cartersville. The bridge at Pettit Creek (Site 3) is 24'x164' with concrete deck and steel beams. There is a side road near each end of the bridge. Approaches have 24' of pavement and 7' shoulders with "v" ditches. The bridges at the Etowah overflows are 24'x120' (Site 1) and 24'x120' (Site 2) both with concrete deck and steel beams. Approaches have 24' of pavement and 7' shoulders with "v" ditches. Current and future traffic is 6100 VPD (1984) and 8660 VPD (2004).

The proposed project consists of replacing the bridges at sites 1 & 2 with 48" and 36" pipe, respectively. A hydraulic analysis by the Office of Bridge Design recommends that these two bridges be eliminated completely with no replacement. However, it is recommended that the above cross drainage pipe be provided at these sites. Approaches at sites 1 & 2 will be reconstructed to have 24' of pavement and 10' shoulders for a project length of 0.36 miles. A two-way detour will be provided at sites 1 & 2.

The bridge at Pettit Creek (Site 3) will be widened symmetrically to a width of 68' to provide for 4-12' lanes plus shoulders. The approaches will be reconstructed to have 4-12' lanes and 10' shoulders for a project length of 0.27 miles. The additional lanes are needed to provide for turning movements onto the sideroads at each end of the bridge. The close proximity of these sideroads and the road geometrics preclude widening the bridge on one side only, as suggested by Engineering Services, without additional roadway costs. Traffic will be maintained using staged construction. The estimated cost of the project is:

Thomas D. Moreland

Page 2

March 31, 1987

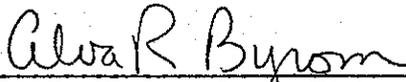
BHF-018-1(41) Bartow County

	<u>PROPOSED</u>			<u>Total</u>	<u>APPROVED Total</u>	<u>PROG. DATE</u>
	<u>Site 1</u>	<u>Site 2</u>	<u>Site 3</u>			
Constr(Infl&E/C)	\$177,000	\$177,000	\$785,000	\$1,139,000	\$900,000	FY 87
Right-of-way	\$ 2,000	\$ 2,000	\$ 2,000	\$ 6,000	\$ 10,000	
Utilities	LGPA	LGPA		LGPA		

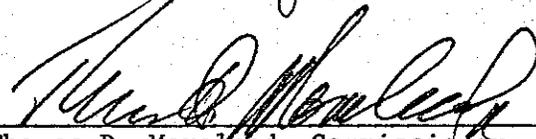
I recommend that we approve this project concept report for implementation.  
Time saving procedures are appropriate for this project.

ALD:WLP/se

RECOMMEND:

  
\_\_\_\_\_  
Alva R. Byrom, State Highway Engineer

APPROVED:

  
\_\_\_\_\_  
Thomas D. Moreland, Commissioner

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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INTERDEPARTMENT CORRESPONDENCE

FILE BHF-018-1 (41) Bartow County  
P.I. No. 620830  
Bridge Widening over Pettit Creek/Bridge  
Replacements on Etowah River Overflows

OFFICE Atlanta, Georgia  
DATE March 20, 1987

FROM Robert E. Humphrey, P.E., Project Review Engineer

TO Alton L. Dowd, Jr., P.E., Director of Preconstruction

SUBJECT PROJECT CONCEPT REPORT

We have reviewed the attached Concept Report for this Minor project and have the following comment:

Widening the bridge over Pettit Creek to one side should be considered as an alternate to the proposed symmetrical widening.

We have received signed cover sheets from the following offices:

1. Bridge Design
2. Environmental - comment

This report is satisfactory for approval subject to the above comment.

The estimated costs of this project are as follows:

	Site 1	Site 2	Site 3
Construction	\$153,000	\$153,000	\$680,000
Inflation (5% per year)	7,650	7,650	34,000
E & C (10%)	16,065	16,065	71,400
Preliminary Engineering(5%)	7,650	7,650	34,000
Right of Way	2,000	2,000	2,000
Utilities	---	---	---

DSW/jmf

Attachments

c: Felton D. Rutledge

# DEPARTMENT OF TRANSPORTATION

## STATE OF GEORGIA

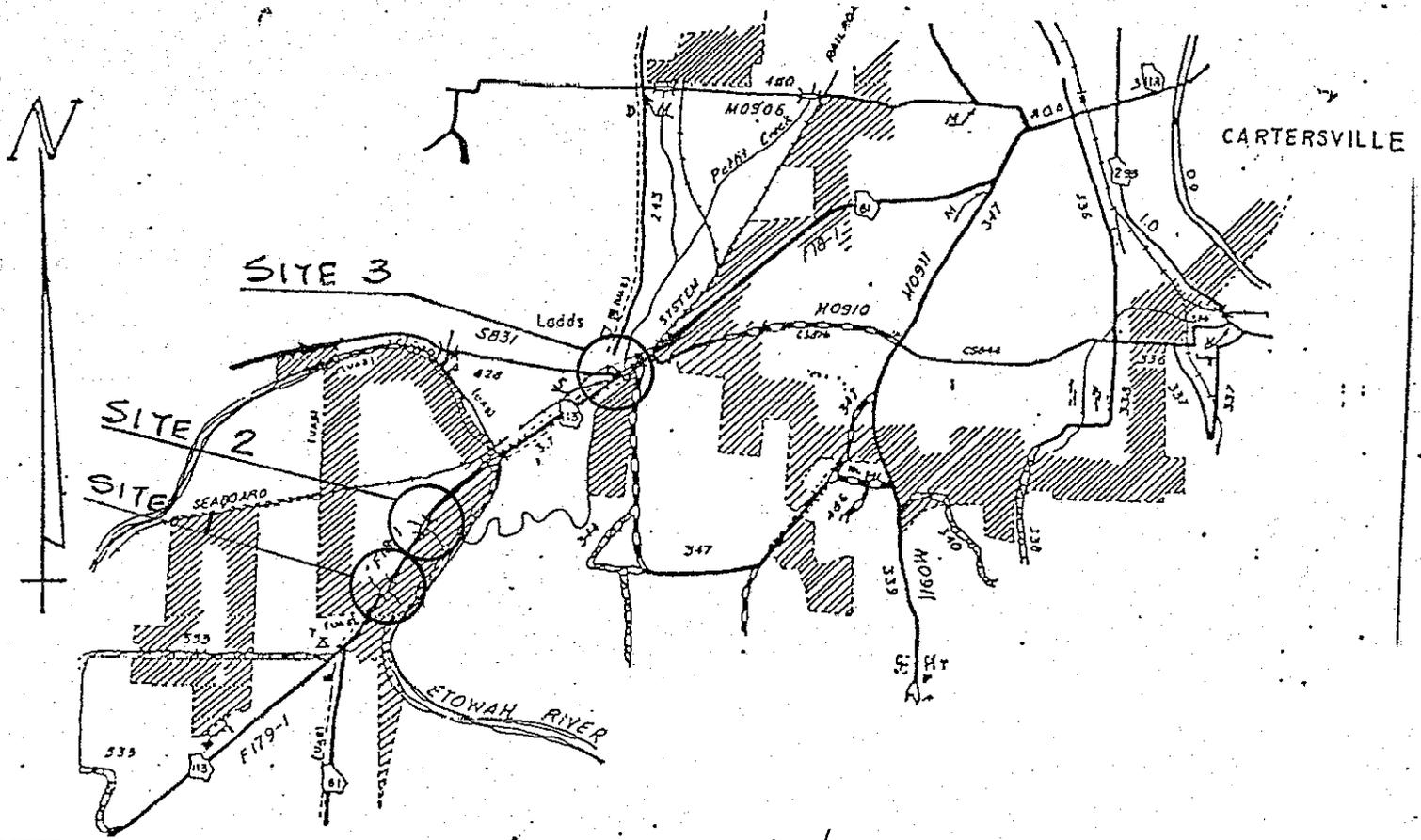
PROJECT CONCEPT REPORT

BHF-018-1(41) BARTOW COUNTY

BRIDGE WIDENING OVER PETTIT CREEK

BRIDGE REPLACEMENT ON ETOWAH RIVER OVERFLOWS ON SR 61/113

Federal Route No: None  
 State Route No: 61/113  
 GaDOT P. I. No: 620830

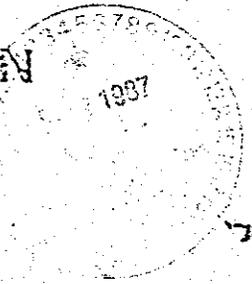


Date of Report: 2-11-87

RECOMMENDATION FOR APPROVAL

2/12/87	<i>Regina McMillan (FR)</i>
Date	Project Manager
Date	State Environmental Engineer
Date	State Bridge Engineer

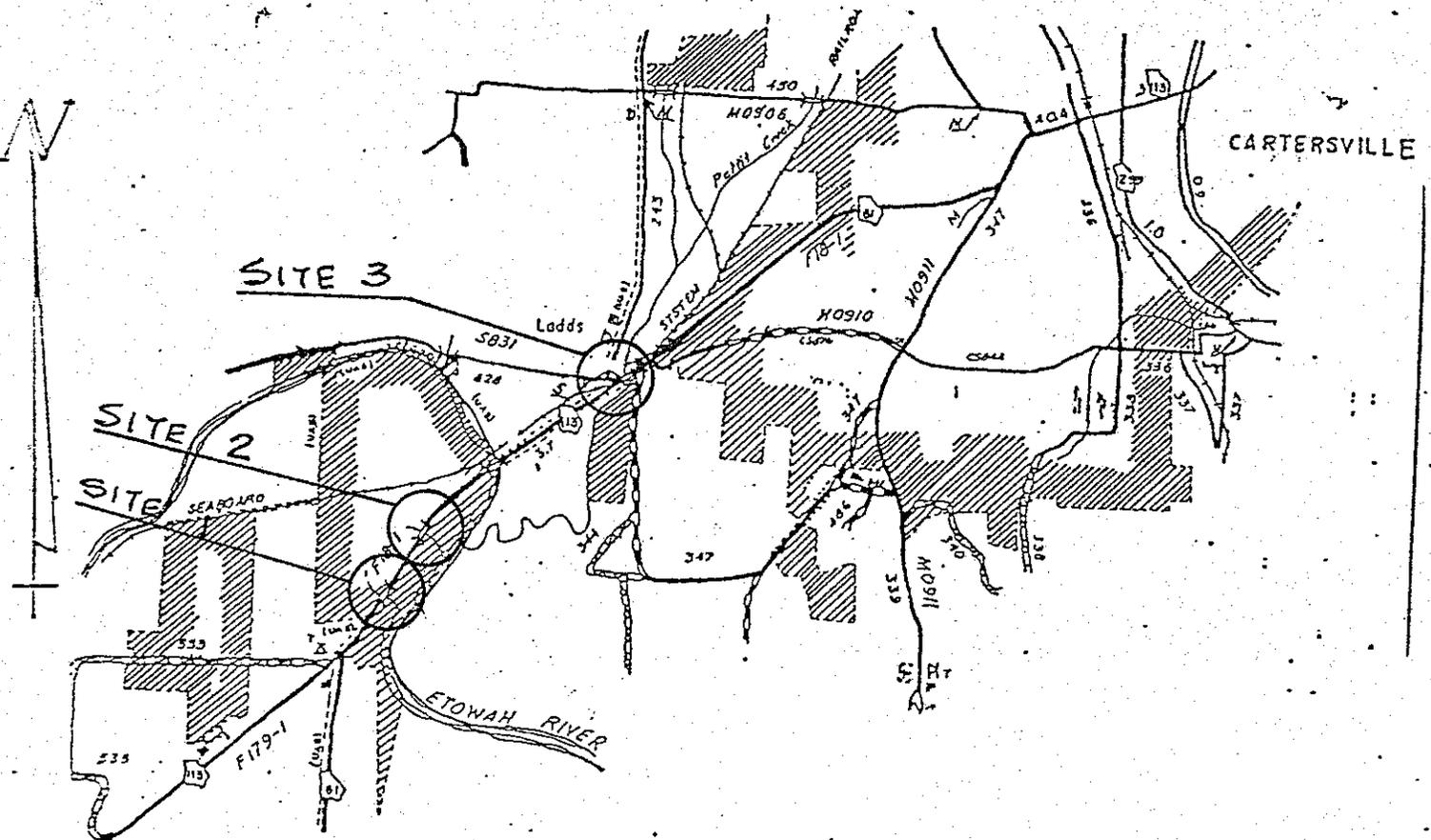
DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



PROJECT CONCEPT REPORT

BHF-018-1(41) BARTOW COUNTY  
BRIDGE WIDENING OVER PETTIT CREEK  
BRIDGE REPLACEMENT ON ETOWAH RIVER OVERFLOWS ON SR 61/113

Federal Route No: None  
State Route No: 61/113  
GaDOT P. I. No: 620830



Date of Report: 2-11-87

RECOMMENDATION FOR APPROVAL

Date 2/12/87  
Project Manager Reggie McMillan (FR)

Date 3/4/87  
State Environmental Engineer G.C. Lewis  
Date \_\_\_\_\_  
State Bridge Engineer \_\_\_\_\_

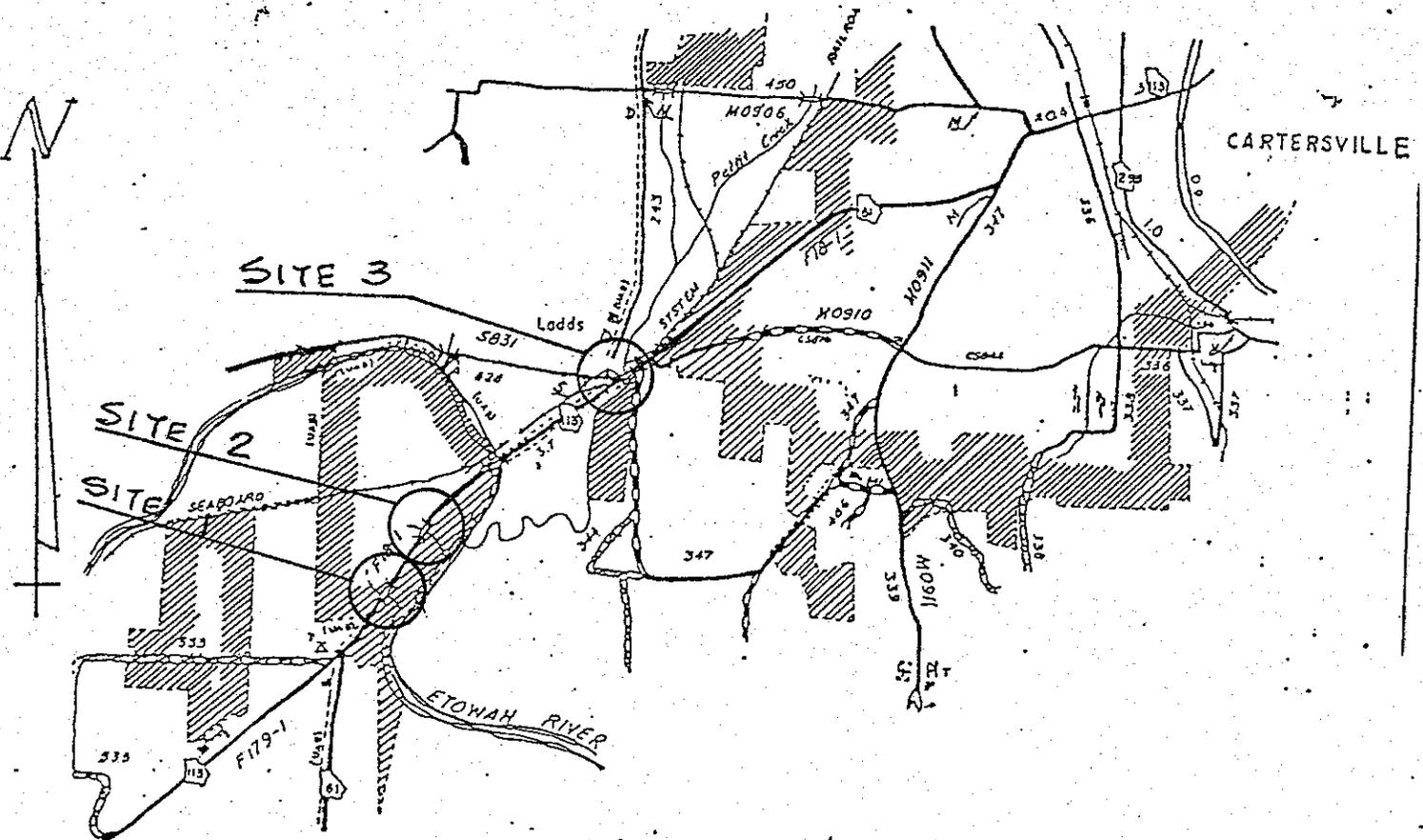
DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



PROJECT CONCEPT REPORT

BHF-018-1(41) BARTOW COUNTY  
BRIDGE WIDENING OVER PETTIT CREEK  
BRIDGE REPLACEMENT ON ETOWAH RIVER OVERFLOWS ON SR 61/113

Federal Route No: None  
State Route No: 61/113  
GaDOT P. I. No: 620830



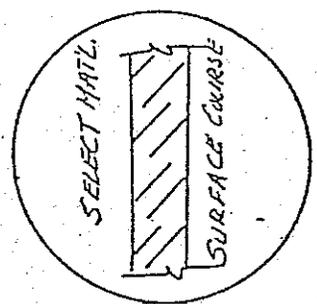
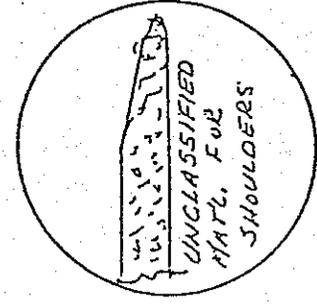
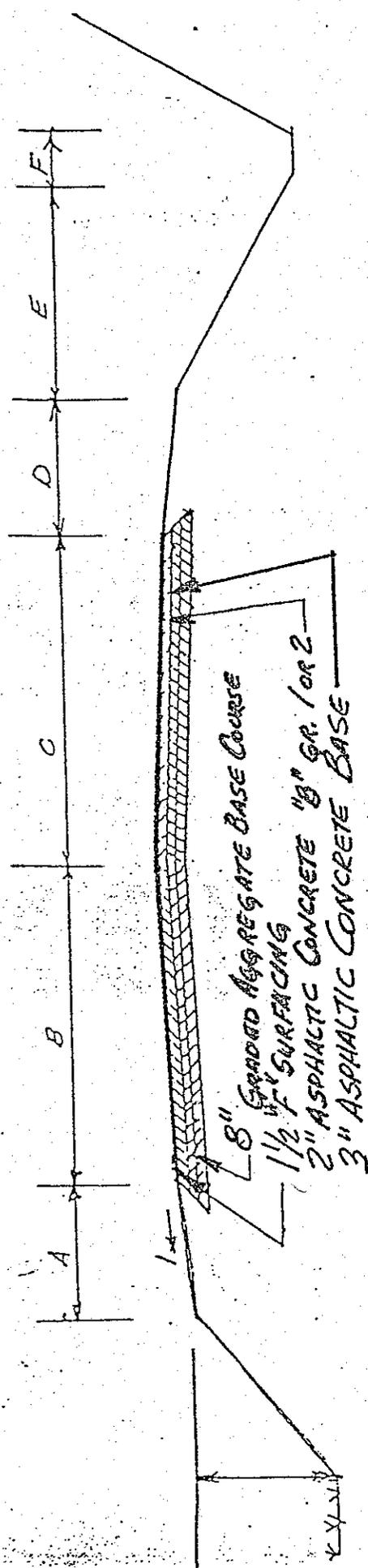
Date of Report: 2-11-87

RECOMMENDATION FOR APPROVAL

2/12/87 Reggie McMillan (FR)  
Date Project Manager  
2-26/87 [Signature]  
Date State Environmental Engineer  
Date State Bridge Engineer

County:

# TYPICAL SECTION - SITE 1 & 2

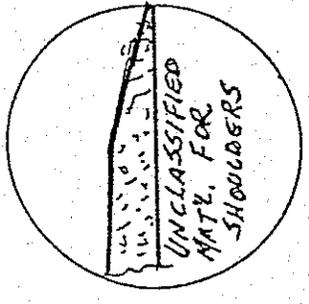
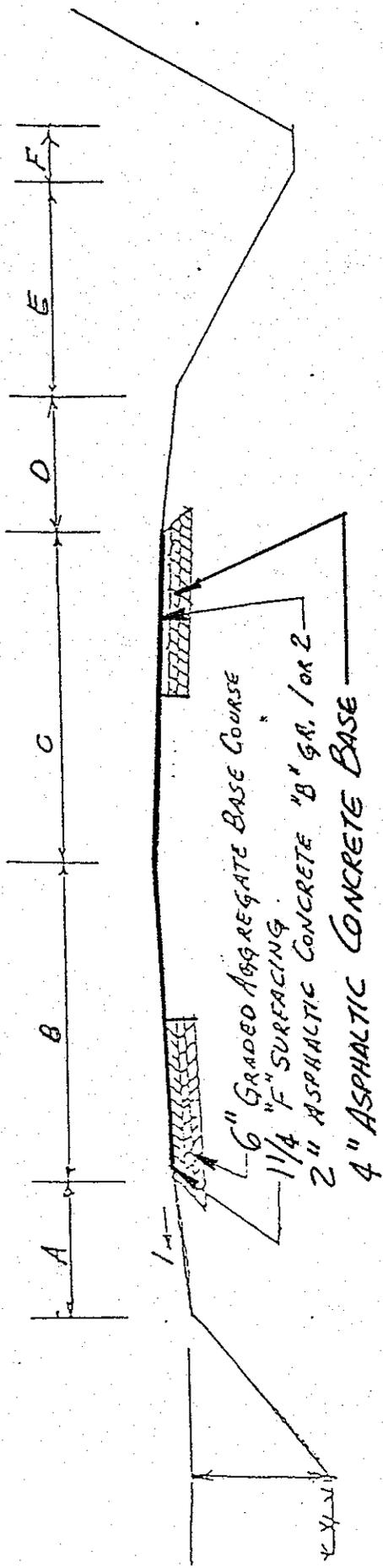


LETTERED DIMENSIONS	SLOPE CONTROLS			CROSS SLOPE FT./FT.
	HEIGHT	CUT	FILL	
A	10'			3/16"
B	12'		4:1	
C	12'		3:1	
D	10'		2:1	
E	8'	6 to 10		
F	8'	OVER 10'		
G				
H				

Project No: BHFO18-1(41)  
 County: BARTON

TYPICAL SECTION - SITE 3

IN PLACE  
 24' PAVEMENT



LETTERED DIMENSIONS	SLOPE CONTROLS		CROSS SLOPE	
	HEIGHT	CUT FILL	FT./FT.	
A	0 TO 6	4:1	MATCH EXISTING	
B	6 TO 10	3:1		
C	OVER 10	2:1		
D				
E				
F				
G				
H				