

Survey Number: C-11

Bridge Name and Address: Bridge in Westover Borough
L.R. 17003 over Chest Creek
Clearfield County

Owner: Commonwealth of Pennsylvania
Department of Transportation
Transportation & Safety Building
Harrisburg, Pennsylvania 17120

Statement of Significance: The bridge in Westover Borough is a very good example of a concrete bridge which incorporates elements of design from traditional and more progressive engineering. This single span bridge was built in 1917. It comprises a 70 feet long open-spandrel arch capped with a continuous line-articulated solid parapet wall. This portion of the bridge is typical of concrete bridge construction in the second decade of the twentieth century. However, this section is juxtaposed with rock-faced ashlar wingwalls which are topped with concrete balustraded parapets, blending earlier stone construction with current concrete technology. It is also distinctive among the nominated bridges as one of the few concrete bridges represented in the central portion of Pennsylvania.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 100 feet long by 25 feet wide rectangle whose vertices coincide with the outside corners of the bridge's railings, and includes only superstructure and substructure.

Acreage of Nominated Property: Less than one acre.

PENNSYLVANIA HISTORIC RESOURCE SURVEY FORM
 Bureau for Historic Preservation Box 1026
 PA Historical & Museum Commission Harrisburg, PA 17120

9. HISTORICAL DATA

8. USGS QUAD. Westover

UTM's: Zone 17

E	6	9	6	9	1	0
N	4	5	1	3	6	9
E						
N						

Designer/Engineer:

Flink, G. A.

Builder/Contractor:

Whitaker & Diehl, Harrisburg, Pa.

Bridge Company:

Unknown

Date(s): 1917 ; basis Bridge Unit File

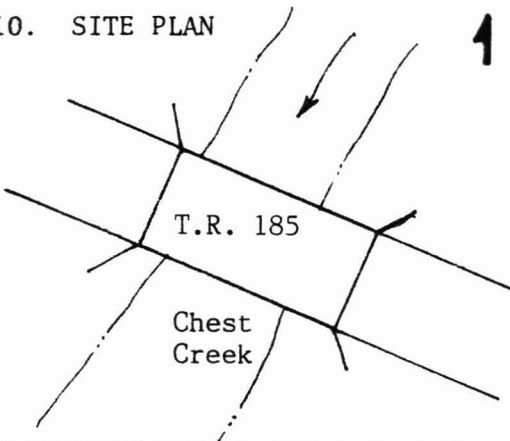
1917 ; basis Bridge Plaque

_____ ; basis

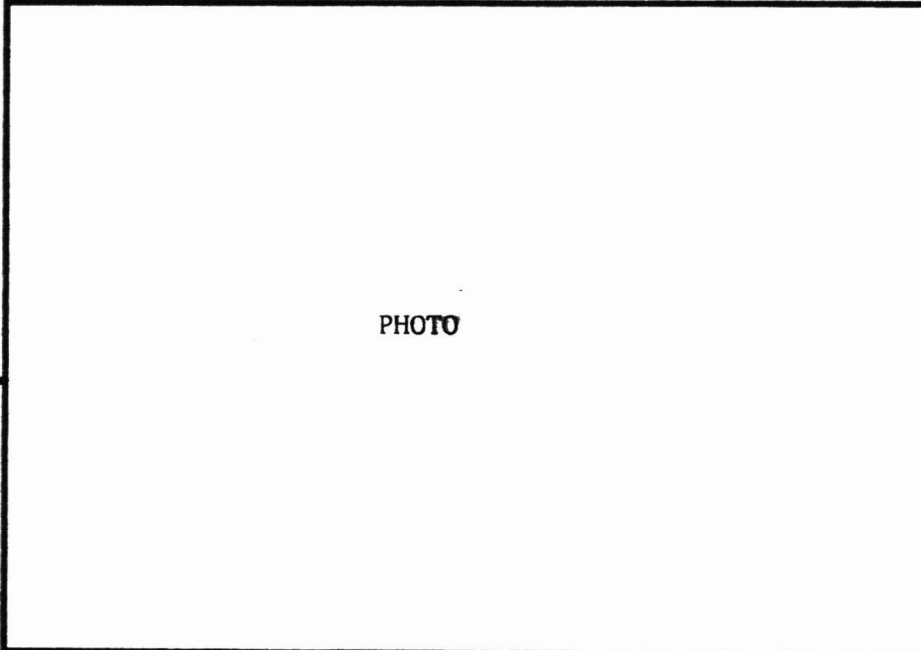
_____ ; basis

Use: Vehicular present; Vehicular original.

10. SITE PLAN



12. VIEW Southern Elevation no.02-11-33



11. INTEGRITY

___ altered; _____.

unaltered; _____.

___ moved; _____.

Explain:

13. COMMENTS

Unusual features:

Plaque listing commissioners and contractor.

Locale/environment:

Rural

Machinery (describe/identify type/equipment):

10/1

14. DIMENSIONS

spans: 1 no., 70 ft. O/A

main: ___ no., ___ ft.

secondary: ___ no., ___ ft.

approach: ___ no., ___ ft.

piers: ___ no.

towers: ___ no., ___ ft.

1. County	Clearfield
2. Municipality	Westover Borough
3. Structure No.	1172101010131011161815
4. Span No.	0211
5. Present Name	Bridge in Westover Borough
6. Other name (historic name if any)	T.R. 185 (LR 17003) over Chest Creek
7. Crossing	

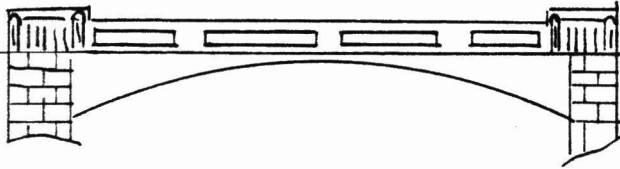
15. TYPE

CHARACTERISTICS

Truss: continuous/cantilever:

- webbing: _____.
- anchor span: _____.
- cantilever span: _____.
- suspended span: _____.
- thru/deck/low (pony): full-slope/half-hip.
- connections: pin/riveted.
- eyebars: loop welded/die forged.
- railing: _____.
- columns: _____.

Arch: ~~masonry/metal~~ Concrete



- thru/deck/1/2-thru.
- fixed (hingeless) /1/2/3-hinged.
- ribs: solid/braced; crescent/parallel.
- spandrels: open/solid/braced.
- intrados/vault; ribbed/solid.
- shape: semi-circular/elliptical/segmental; stilted.
- skew

Suspension:

- stiffening: braced-chain (1/2/3-hinged) /suspended truss.
- wire cable: twisted/parallel.
- eyebar chain.
- back-stay: straight/curved.

Bascule:

- single/double leaf.
- rolling lift: Schertzer.
- trunnion: simple (Chicago) /multiple (Strauss).
- counterweights: heel/overhead.
- Page/Rall.
- semi-lift/direct lift.

Swing:

- bearing: center/rim/combination.
- (see Truss above).

Vertical Lift:

- (see Truss above).

Other:

- other: _____.

16. MATERIALS (primary)

Superstructure	type	treatment/finish	source
main span:	_____;	_____;	_____.
towers:	_____;	_____;	_____.
railings:	Concrete	_____;	_____.
Substructure			
piers:	_____;	_____;	_____.
abutments:	Stone & Concrete	_____;	_____.
wings:	_____;	_____;	_____.
intrados/ribs:	_____;	_____;	_____.
voussiors:	_____;	_____;	_____.

17. PHOTO NO's.

02-11 (32-36)

18. PREPARED BY: K. Bartoo
 AGENCY/ORGANIZATION: PennDOT
 ; DATE: 9-82

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet

Section number _____ Page _____

Multiple Resource Area
Thematic Group

Name Highway Bridges Owned by the Commonwealth of Pennsylvania, Department of Transportation TR
State Adams County (and others), PA

Nomination/Type of Review

Date/Signature

61. Bridge in West Fallowfield Township

Keeper Melvyn Byrum 6/22/88

Entered in the
National Register

Attest _____

62. Bridge in West Mead Township

Keeper Linda McClelland 6/22/88

Substantive Review

Attest _____

63. Bridge in Westover Borough

Keeper Melvyn Byrum 6/22/88

Entered in the
National Register

Attest _____

64. Bridge in West Wheatfield Township

Keeper Melvyn Byrum 6/22/88

Entered in the
National Register

Attest _____

65. Bridge in Williams Township

Keeper Melvyn Byrum 6/22/88

Entered in the
National Register

Attest _____

66. Bridge in Yardley Borough

Keeper Melvyn Byrum 6/22/88

Entered in the
National Register

Attest _____

67. Brower's Bridge

Substantive Review

Keeper Linda McClelland 6/22/88

Attest _____

68. Brownsville Bridge

Entered in the
National Register

Keeper Melvyn Byrum 6/22/88

Attest _____

69. Bryn Athyn--Lower Moreland Bridge

Entered in the
National Register

Keeper Melvyn Byrum 6/22/88

Attest _____

70. Cambridge Springs Bridge

Entered in the
National Register

Keeper Melvyn Byrum 6/22/88

Attest _____

88000736

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

Bridge in Westover Borough (Highway Bridges
Owned by the Commonwealth of Pennsylvania,
Department of Transportation TR)
Clearfield County
PENNSYLVANIA

MAY 10 1988

Working No. _____

Fed. Reg. Date: _____

Date Due: 6/9/88 - 6/24/88

Action: ACCEPT 6-22-88

RETURN _____

REJECT _____

Federal Agency: _____

Entered in the
National Register

- resubmission
- nomination by person or local government
- owner objection
- appeal

Substantive Review: sample request appeal NR decision

Reviewer's comments:

Recom./Criteria _____

Reviewer _____

Discipline _____

Date _____

_____ see continuation sheet

Nomination returned for: _____ technical corrections cited below
_____ substantive reasons discussed below

1. Name

2. Location

3. Classification

Category	Ownership	Status	Present Use
	Public Acquisition	Accessible	

4. Owner of Property

5. Location of Legal Description

6. Representation in Existing Surveys

Has this property been determined eligible? yes no

7. Description

Condition	Check one	Check one
<input type="checkbox"/> excellent	<input type="checkbox"/> unaltered	<input type="checkbox"/> original site
<input type="checkbox"/> good	<input type="checkbox"/> altered	<input type="checkbox"/> moved date _____
<input type="checkbox"/> fair		
<input type="checkbox"/> deteriorated		
<input type="checkbox"/> ruins		
<input type="checkbox"/> unexposed		

Describe the present and original (if known) physical appearance

- summary paragraph
- completeness
- clarity
- alterations/integrity
- dates
- boundary selection

8. Significance

Period _____ Areas of Significance—Check and justify below

Specific dates _____ Builder/Architect _____

Statement of Significance (*in one paragraph*)

- summary paragraph
- completeness
- clarity
- applicable criteria
- justification of areas checked
- relating significance to the resource
- context
- relationship of integrity to significance
- justification of exception
- other

9. Major Bibliographical References

10. Geographical Data

Acreage of nominated property _____

Quadrangle name _____

UTM References _____

Verbal boundary description and justification

11. Form Prepared By

12. State Historic Preservation Officer Certification

The evaluated significance of this property within the state is:

____ national ____ state ____ local

State Historic Preservation Officer signature

title _____ date _____

13. Other

- Maps
- Photographs
- Other

Questions concerning this nomination may be directed to _____

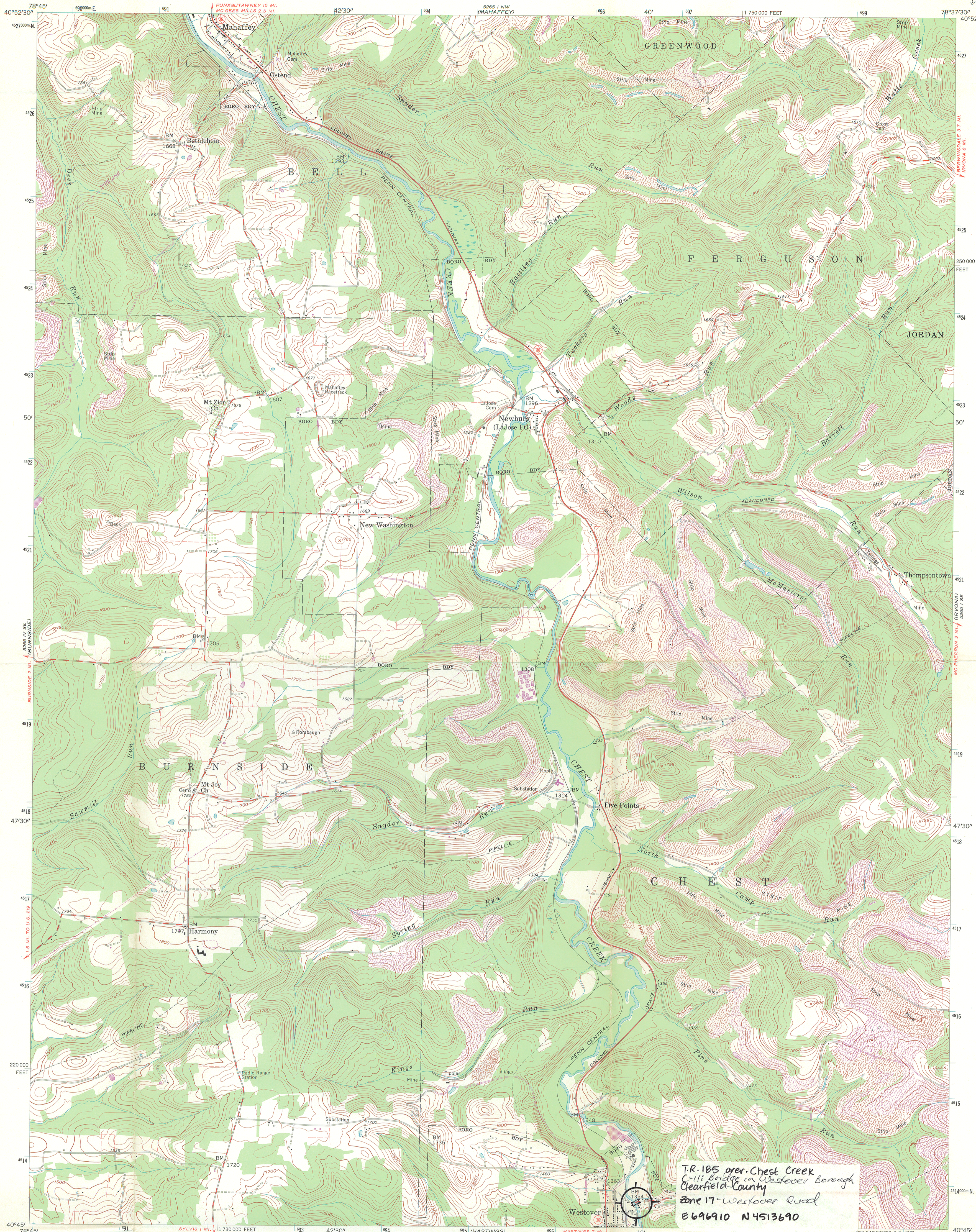
Signed _____ Date _____ Phone: _____



- C-11-1
1. Name of Nomination: Highway Bridges Owned by the Commonwealth of Pennsylvania, Department of Transportation
 2. Name of Structure: Bridge in Westover Borough
 3. County: Clearfield
 4. Photo Date: 1982
 5. Photo Credit: Pennsylvania Department of Transportation
 6. Negative Location: Pennsylvania Department of Transportation
 7. Photo View: North elevation
 8. Photo Number: C-11-1

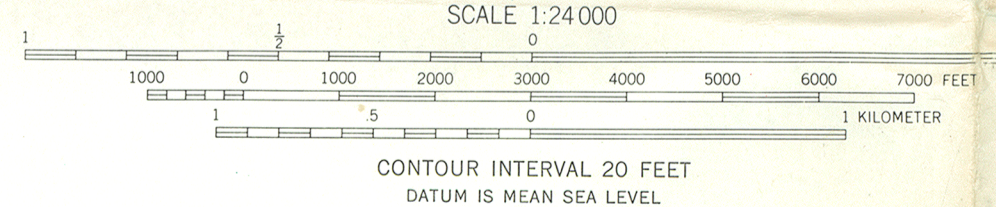
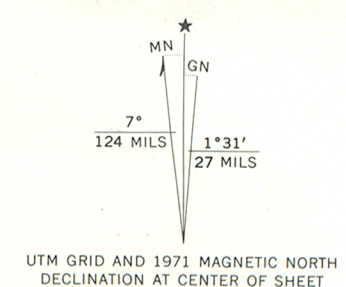


- C-11-2
1. Name of Nomination: Highway Bridges Owned by the Commonwealth of Pennsylvania, Department of Transportation
 2. Name of Structure: Bridge in Westover Borough
 3. County: Clearfield
 4. Photo Date: 1982
 5. Photo Credit: Pennsylvania Department of Transportation
 6. Negative Location: Pennsylvania Department of Transportation
 7. Photo View: Arch and west abutment
 8. Photo Number: C-11-2



TR-185 over Chest Creek
C-11 Bridge in Westover Borough
Clearfield County
Zone 17—Westover Quad
E696910 N4513690

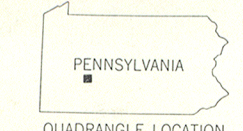
Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1957. Field check 1959
Polyconic projection. 1927 North American datum
10,000-foot grid based on Pennsylvania coordinate system,
north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue
Fine red dashed lines indicate selected fence and field lines
visible on aerial photographs. This information is unchecked
Revisions shown in purple compiled in cooperation with
State of Pennsylvania agencies from aerial photographs
taken 1971. This information not field checked



CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION

Heavy-duty	Light-duty
Medium-duty	Unimproved dirt
State Route	



WESTOVER, PA.
N4045—W7837.5/7.5

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Pennsylvania D.O.T. Owned Highway Bridges
Bridge in Westover Borough C-11

1959
PHOTOREVISED 1971
AMS 5265 I SW—SERIES V831