

Summary Capsule

Small Structure #02032X0

AA-2094

Spanning Tributary of Broad Creek on MD 450, Annapolis

Date of Construction: 1933

Access: Public

Small Structure #02032X0 is a 1933 concrete slab, 10-foot span 'bridge' with an open rail balustrade located on MD 450/Defense Highway spanning a Tributary of Broad Creek in the outskirts of Annapolis. The small structure was constructed according to the State Road Commission's standardized plans of 1930.

**MARYLAND HISTORICAL TRUST
NR-ELIGIBILITY REVIEW FORM**

NR Eligible: yes ___
no ___

Property Name: Small Structure #02032X0 Inventory Number: AA-2094

Address: MD 450 / Defense Highway City: Annapolis Zip Code: _____

County: Anne Arundel USGS Topographic Map: South River

Owner: State Highway Administration

Tax Parcel Number: _____ Tax Map Number: 44 Tax Account ID Number: _____

Project: MD 450 over Tributary of Broad Creek Agency: State Highway Administration

Site visit by SHA Staff: ___no___ yes Name: Becky Kermes Date: February 2001

Eligibility recommended ___ Eligibility **not** recommended

Criteria: ___A___B___C___D Considerations: ___A___B___C___D___E___F___G___None

Is the property located within a historic district? no ___yes___ Name of district: _____

Is district listed? ___no___yes Determined eligible? ___no___yes District Inventory Number: _____

Documentation on the property/district is presented in:

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Small Structure #02032X0 is a 1933 concrete slab, 10-foot span 'bridge' with an open rail balustrade located on MD 450/Defense Highway spanning a Tributary of Broad Creek. The abutments, wingwalls, are only partially visible due to the depth of the water underneath. The slab is inaccessible due to the water level. According to State Highway Administration Bridge Department, there has been no major reconstruction or repair work to the small structure.

Small Structure #02032X0 is considered not eligible for inclusion in the National Register of Historic Places under Criterion A.

- It is not associated with the history of the adjacent Annapolis Waterworks, AA-932. The construction date of the bridge is previous to the dates of significance associated with the Waterworks.
- The *Small Structures on Maryland's Roadways Historic Context Report* discusses the use of convict labor and relief labor during the Depression. It is highly unlikely that convict labor or PWA workers constructed this small structure. Convict labor was used typically for road projects that required little skill. Since the PWA was created in 1933– the same year as the small structure was constructed-it is unlikely that the PWA labor force built it.

MARYLAND HISTORICAL TRUST REVIEW	
Eligibility recommended ___	Eligibility not recommended <input checked="" type="checkbox"/>
Criteria: ___A___B___C___D	Considerations: ___A___B___C___D___E___F___G___None
Comments: _____	
<u>[Signature]</u>	<u>2/20/2001</u>
Reviewer, Office of Preservation Services	Date
<u>[Signature]</u>	<u>3/23/01</u>
Reviewer, NR program	Date

7/18

MARYLAND HISTORICAL TRUST
NR-ELIBILITY REVIEW FORM

AA-2094

Continuation Sheet No. 1

- It is not associated with the construction of MD 450 which was constructed in the mid 1920s. Small Structure #02032X0 was constructed in 1933 and therefore, not associated with the construction of this roadway.

Small Structure #02032X0 is considered not eligible for inclusion in the National Register of Historic Places under Criterion B. It is not associated with any known person or persons.

Small Structure #02032X0 is considered not eligible for inclusion in the National Register of Historic Places under Criterion C. The Small Structures Historic Context states that the concrete slab type of small structure was one of the most widely used plans throughout the state, second only to box culverts. The Standardized Plans are well documented. It is not an outstanding example, despite the retention of original building materials.

Small Structure #02032X0 is considered not eligible for inclusion in the National Register of Historic Places under Criterion D. It is unlikely to yield important information that has not already been obtained, or cannot be obtained otherwise.

Prepared by:

Becky Kermes

Date Prepared:

February 27, 2001

Maryland Historical Trust Maryland Inventory of Historic Properties Form

Inventory No. AA-2094

1. Name of Property

Small Structure #0²1032X0

historic Bridge over Tributary of Broad Creek

other

2. Location

street and number MD 450

not for publication

city, town Annapolis

vicinity

county Anne Arundel

3. Owner of Property

(give names and mailing addresses of all owners)

name State Highway Administration

street and number 707 North Calvert Street

telephone

city, town Baltimore

state MD

zip code 21202

4. Location of Legal Description

courthouse, registry of deeds, etc. Anne Arundel Courthouse

folio

city, town

tax map Map 44 tax parcel

tax ID number

5. Primary Location of Additional Data

- Contributing Resource in National Register District
 Contributing Resource in Local Historic District
 Determined Eligible for the National Register/Maryland Register
 Determined Ineligible for the National Register/Maryland Register
 Recorded by HABS/HAER
 Historic Structure Report or Research Report at MHT
 Other: _____

6. Classification

Category		Ownership	Current Function		Resource Count	
<input type="checkbox"/> district	<input checked="" type="checkbox"/> building(s)	<input checked="" type="checkbox"/> public	<input type="checkbox"/> agriculture	<input type="checkbox"/> landscape	Contributing	Noncontributing
<input checked="" type="checkbox"/> structure	<input type="checkbox"/> site	<input type="checkbox"/> private	<input type="checkbox"/> commerce/trade	<input type="checkbox"/> recreation/culture	_____	_____ buildings
<input type="checkbox"/> site	<input type="checkbox"/> object	<input type="checkbox"/> both	<input type="checkbox"/> defense	<input type="checkbox"/> religion	_____	_____ sites
			<input type="checkbox"/> domestic	<input type="checkbox"/> social	_____	_____ structures
			<input type="checkbox"/> education	<input checked="" type="checkbox"/> transportation	_____	_____ objects
			<input type="checkbox"/> funerary	<input type="checkbox"/> work in progress	_____	_____ Total
			<input type="checkbox"/> government	<input type="checkbox"/> unknown		
			<input type="checkbox"/> health care	<input type="checkbox"/> vacant/not in use		
			<input type="checkbox"/> industry	<input type="checkbox"/> other:		
					Number of Contributing Resources previously listed in the Inventory _____	

7. Description

Inventory No. AA-2094

Condition

excellent deteriorated
 good ruins
 fair altered

Prepare both a one paragraph summary and a comprehensive description of the resource and its various elements as it exists today.

Small Structure #02032X0 is a 1933 concrete slab, 10-foot span 'bridge' with an open rail balustrade located on MD 450/Defense Highway spanning a Tributary of Broad Creek. The abutments, wingwalls, are only partially visible due to the depth of the water underneath. The slab is inaccessible due to the water level. According to State Highway Administration Bridge Department, there has been no major reconstruction or repair work to the small structure.

In 1928 the State Roads Commission developed an open rail balustrade called the "standard open handrail." In 1930, standard small structure plans utilized the open balustrade for the 6-foot to 18-foot slab structures. The plans include an isometric view of a slab structure with the standard open handrail and abutments with horizontal scoring. The 1933 Standard Plans for small concrete structures specified concrete slab designs for structures from 6 feet to 18 feet in length, horizontally incised abutments and wingwalls and the open balustrade design that was introduced in the Stand Plans of 1928.

As a small structure, the concrete slab is a single span, composed of a reinforced concrete part, commonly referred to as slab, and generally constructed as a single unit (or less commonly as a series of narrow slabs) placed parallel with the roadway and spanning the space between the supporting abutments. The slab serves as the deck as well as the structural member carrying the stresses between abutments. Slab structures are generally fabricated and constructed on site. Recommended for small structures up to about 20 feet, the slab structure was easily widened and relatively simple to construct.

8. Significance

Inventory No. AA-2094

Period	Areas of Significance	Check and justify below		
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> agriculture	<input type="checkbox"/> economics	<input type="checkbox"/> health/medicine	<input type="checkbox"/> performing arts
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> archeology	<input type="checkbox"/> education	<input type="checkbox"/> industry	<input type="checkbox"/> philosophy
<input type="checkbox"/> 1800-1899	<input checked="" type="checkbox"/> architecture	<input type="checkbox"/> engineering	<input type="checkbox"/> invention	<input type="checkbox"/> politics/government
<input checked="" type="checkbox"/> 1900-1999	<input type="checkbox"/> art	<input type="checkbox"/> entertainment/ recreation	<input type="checkbox"/> landscape architecture	<input type="checkbox"/> religion
<input type="checkbox"/> 2000-	<input type="checkbox"/> commerce	<input type="checkbox"/> ethnic heritage	<input type="checkbox"/> law	<input type="checkbox"/> science
	<input type="checkbox"/> communications	<input type="checkbox"/> exploration/ settlement	<input type="checkbox"/> literature	<input type="checkbox"/> social history
	<input type="checkbox"/> community planning		<input type="checkbox"/> maritime history	<input checked="" type="checkbox"/> transportation
	<input type="checkbox"/> conservation		<input type="checkbox"/> military	<input type="checkbox"/> other:

Specific dates 1933

Architect/Builder

Construction dates 1933

Evaluation for:

National Register

Maryland Register

not evaluated

Prepare a one-paragraph summary statement of significance addressing applicable criteria, followed by a narrative discussion of the history of the resource and its context. (For compliance projects, complete evaluation on a DOE Form – see manual.)

STATEMENT OF SIGNIFICANCE

According to the *Small Structures on Maryland's Roadways Historic Context Report*, the concrete slab structure, along with some girder structures and box culverts, was widely used on state highways throughout Maryland up through World War II. State Roads Commission reports of the pre World War II era repeatedly mention the use of slab construction for small structures. Additionally, the report states that research indicates that many small slab structures built according to the Standard Plans are extant on Maryland's roadways today. During the period 1912 to 1933, when Standard Plans were issued by the state, the concrete slab may have been the most widely used small structure along with pipes and box culverts.

The context report defines the slab, parapet, abutments, and wingwalls as the character-defining elements of a concrete slab structure.

Small Structure #02032X0 is a 1933 small structure most likely built by standardized plans and does retain all of the character-defining elements as defined by the historic context report.

Small Structure #02032X0 is bounded by the legal parcel of the Annapolis Waterworks, AA-932. However, it is not associated with the Waterworks and was not constructed during the Waterworks period of significance.

9. Major Bibliographical References

Inventory No. AA-2094

Parsons Brinckerhoff Quade & Douglas, Inc *Small Structures on Maryland's Roadways: Historic Context Report*. Baltimore, 1997.

SHA GIS Tax Maps

10. Geographical Data

Acreage of surveyed property _____

Acreage of historical setting Bridge

Quadrangle name South River

Quadrangle scale: 1:24000

Verbal boundary description and justification

The proposed boundary for Small Structure #03032X0 is the bridge/small structure itself.

11. Form Prepared by

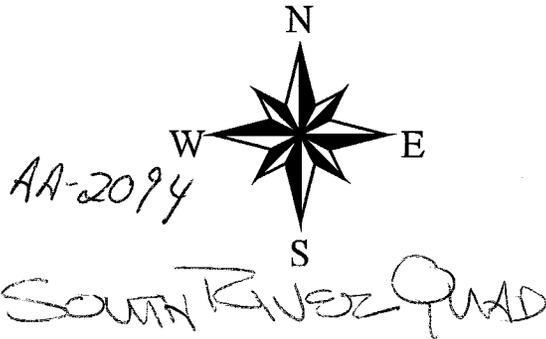
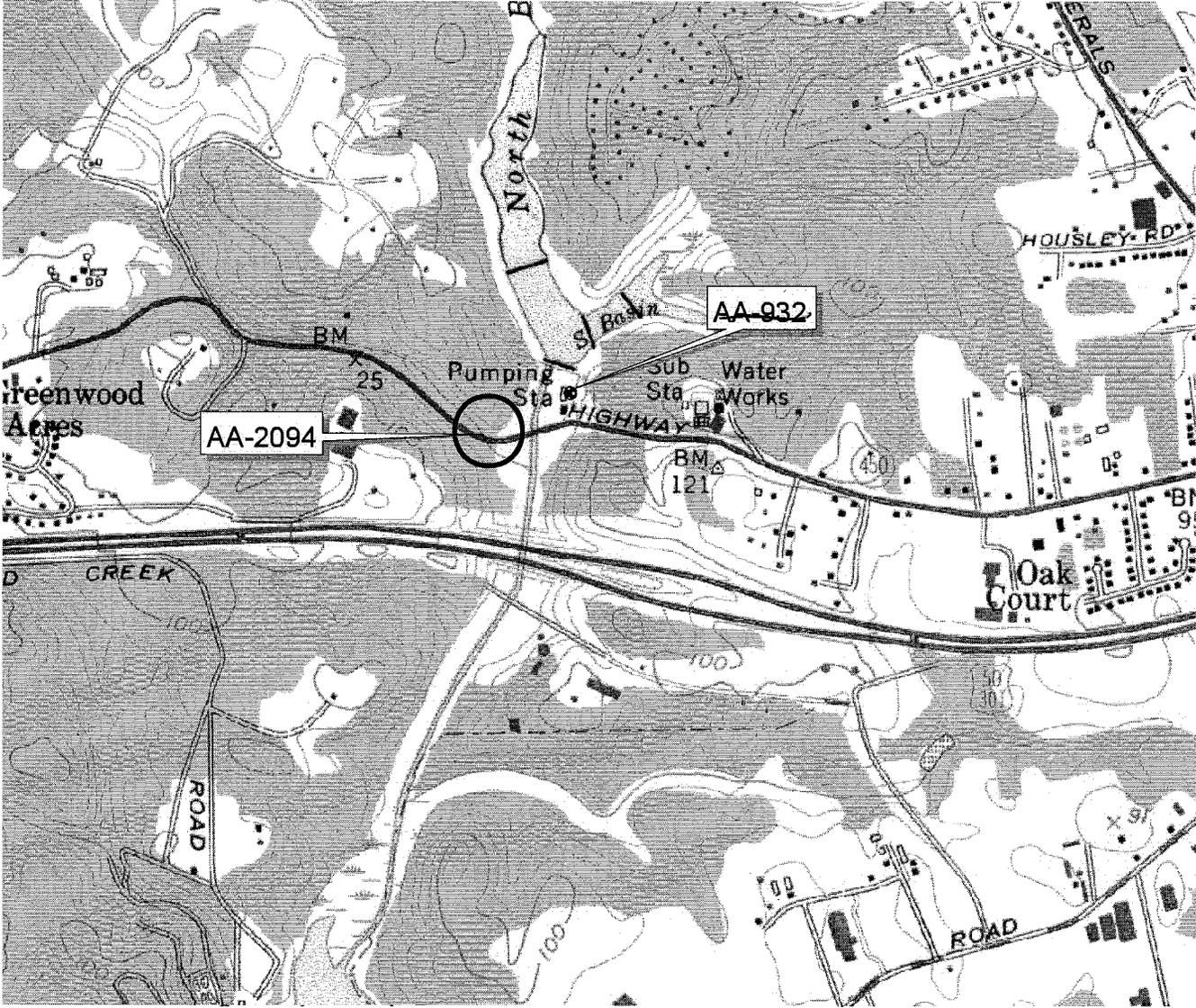
name/title	Becky Kermes, Architectural Historian		
organization	SHA	date	February 2001
street & number	707 North Calvert Street	telephone	410-545-2884
city or town		state	MD

The Maryland Inventory of Historic Properties was officially created by an Act of the Maryland Legislature to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 supplement.

The survey and inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

return to: Maryland Historical Trust
DHCD/DHCP
100 Community Place
Crownsville, MD 21032-2023
410-514-7600

SHA - Anne Arundel





MIHP # AA-2074

Small Structure # 02032XD

Anne Arundel, MD

Photographer Berlay Kermes

Date of Photo 02/25/01

Negative @ MD SHPO

View of the Small structure, looking
east.

#1 of 7



MIHP # AA-2094

Small Structure # 02032X0

Anne Arundel, MD

Photographer: Becky Kermes

Date of Photo: 02/25/01

Negative @ SHPO

View of small structure, looking west,
with emphasis on southern balustrade

2 of 7



MIHP # AA-2094

Small Structure # 02032X0

Anne Arundel, MD

Photographer: Becky Kermes

Date of Photo: 02/25/01

Negative @ MD SHPO

View of the southern belustred,
taken from the ~~w~~ northwest

#3 of 7



MIHP # AA-2094

Small Structure # 02032X0

Anne Arundel, MD

Photographer: Becky Kermes

Date of Photo: 02/25/01

Negative @ MD SHPO

View of the northern balustrade
taken from the southeast.

#4 of 7



MIHD # AA-2094

Small Structure # 02032X0

Anne Arundel, MD

Photographer: Becky Kermses

Date of Photo: 02/25/01

Negative of MD SHPO

View of the northern balustrade
taken from the south.

5 of 7



MIHP # AA-2094

Small Structure # 02032X0

Anne Arundel, MD

Photographer: Becky Kermes

Date of Photo: 02/25/01

Negative @ MD SHPO

View of the southern balustrade
taken from the north.

6 of 7



MIHP # AA-2094
Small Structure # 020320
Anne Arundel, MD
Photographer: Becky Kermes
Date of Photo: 02/25/01
Negative @ MD SHPO

View of wingwall on the southern
balustrade.

#7 of 7