



**BRIDGE PROTECTION SYSTEMS ATTACHMENT**

**2024 Structure Inventory and Appraisal for the FSK Bridge**

**Baltimore, MD**

**DCA24MM031**

**(3 pages)**

Year: 2024 State: MD Structure: 300000BCZ472010 Federal Agency: N

USE OF THIS DOCUMENT IS SUBJECT TO 23 USC SEC 409.

\*\*\*\*\*IDENTIFICATION\*\*\*\*\*

( 1) STATE NAME:	MARYLAND	CODE:	24	BRIDGE CONDITION:	FAIR
( 8) STRUCTURE NUMBER:		300000BCZ472010		*****CLASSIFICATION*****	CODE
( 5) INVENTORY ROUTE (ON/UNDER):		111006950	(112) NBIS BRIDGE LENGTH:	Yes	Y
( 2) HIGHWAY AGENCY DISTRICT:		04	(104) HIGHWAY SYSTEM:	Route On Nhs	1
( 3) COUNTY CODE:	510	( 4) PLACE CODE:	4000	( 26) FUNCTIONAL CLASS:	Urb Prin Art - Oth Frwy 12
( 6) FEATURES INTERSECTED:		PATAPSCO RIVER	(100) STRAHNET HIGHWAY:	Rte Is A Strahnet Hwy	1
( 7) FACILITY CARRIED:		MD 695	(101) PARALLEL STRUCTURE:	None Exists	N
( 9) LOCATION:		I-695 OVER PATAPSCO RIVER	(102) DIRECTION OF TRAFFIC:	2-Way Traffic	2
(11) KILOMETERPOINT:		222.203	(103) TEMPORARY STRUCTURE:	Not Temporary	
(12) BASE HIGHWAY NETWORK:		CODE 1	(105) FEDERAL LANDS HIGHWAYS:	Not Applicable	0
(13) LRS INVENTORY ROUTE & SUBROUTE:		0	(110) DESIGNATED NATIONAL NETWORK:	Part Of Net	1
(16) LATITUDE:	39 DEG	12 MIN	35.08 SEC	( 20) TOLL:	Toll Bridge 1
(17) LONGITUDE:	76 DEG	32 MIN	22.11 SEC	( 21) MAINTAIN:	State Toll Authority 31
( 98) BORDER BRIDGE STATE CODE:		% SHARE:		( 22) OWNER:	State Toll Authority 31
( 99) BORDER BRIDGE STRUCTURE NUMBER:				( 37) HISTORICAL SIGNIFICANCE:	Not Eligible 5

\*\*\*\*\*STRUCTURE TYPE AND MATERIAL\*\*\*\*\*

( 43) STRUCTURE TYPE MAIN - MATERIAL:	Steel Contin			*****CONDITION*****	CODE
TYPE:Truss - Thru	CODE	410	( 58) DECK:		6
( 44) STRUCTURE TYPE APPR - MATERIAL:	Steel Contin		( 59) SUPERSTRUCTURE:		6
TYPE:Strng/Multi-Beam Or Girder	CODE	402	( 60) SUBSTRUCTURE:		6
( 45) NUMBER OF SPANS IN MAIN UNIT:		3	( 61) CHANNEL AND CHANNEL PROTECTION:		7
( 46) NUMBER OF APPROACH SPANS:		34	( 62) CULVERTS:		N
(107) DECK STRUCTURE TYPE:	Concrete-C-I-P	CODE:	1	*****LOAD RATING AND POSTING*****	CODE
(108) WEARING SURFACE / PROTECTIVE SYSTEM:			( 31) DESIGN LOAD:	HS20 or MS 18	5
( A) TYPE OF WEARING SURFACE:	Concrete	CODE:	1	( 63) OPERATING RATING METHOD:	Load Resistance (RF) 8
( B) TYPE OF MEMBRANE:	Unknown	CODE:	8	( 64) OPERATING RATING:	Rating Factor 1.03
( C) TYPE OF DECK PROTECTION:	Unknown	CODE:	8	( 65) INVENTORY RATING METHOD:	Load Resistance (RF) 8
				( 66) INVENTORY RATING:	Rating Factor 0.8
				( 70) BRIDGE POSTING:	No Posting Required 5
				( 41) STRUCTURE OPEN, POSTED OR CLOSED:	A

\*\*\*\*\*AGE AND SERVICE\*\*\*\*\*

( 27) YEAR BUILT: 1976

(106) YEAR RECONSTRUCTED:	0	DESCRIPTION: Open, No Restriction	
( 42) TYPE OF SERVICE	Highway	*****APPRAISAL*****	CODE
- ON:			
- UNDER: Waterway	CODE:	15 ( 67) STRUCTURAL EVALUATION:	6
( 28) LANES - ON	4	UNDER STRUCTURE:	0 ( 68) DECK GEOMETRY:
STRUCTURE:			4
( 29) AVERAGE DAILY TRAFFIC:	30767	( 69) UNDERCLEARANCES, VERTICAL & HORIZONTAL:	N
( 30) YEAR OF ADT:	2019	(109) TRUCK ADT %:	10 % ( 71) WATERWAY ADEQUACY:
( 19) BYPASS, DETOUR LENGTH:	40 KM		9 ( 72) APPROACH ROADWAY ALIGNMENT:
*****GEOMETRIC DATA*****		( 36) TRAFFIC SAFETY FEATURES:	8 1111
( 48) LENGTH OF MAXIMUM SPAN:	365.80 M	(113) SCOUR CRITICAL BRIDGES:	8
( 49) STRUCTURE LENGTH:	2770.90 M	*****PROPOSED IMPROVEMENTS*****	
( 50) CURB OR SIDEWALK - LEFT:	.00 M	RIGHT:	.00 M ( 75) TYPE OF WORK: CODE:
( 51) BRIDGE ROADWAY WIDTH CURB TO CURB:	17.10 M	( 76) LENGTH OF STRUCTURE IMPROVEMENT:	M
( 52) DECK WIDTH OUT TO OUT:	18.70 M	( 94) BRIDGE IMPROVEMENT COST:	\$
( 32) APPROACH ROADWAY WIDTH (W/SHOULDERS):	17.10 M	( 95) ROADWAY IMPROVEMENT COST:	\$
( 33) BRIDGE MEDIAN:	Closed With Barrier	CODE:	3 ( 96) TOTAL PROJECT COST:
( 34) SKEW:	0	( 35) STRUCTURE FLARED:	No ( 97) YEAR OF IMPROVEMENT COST ESTIMATE:
( 10) INVENTORY ROUTE MIN VERT CLEAR:	4.57 M	(114) FUTURE ADT:	32,863
( 47) INVENTORY ROUTE TOTAL HORIZ CLEAR:	8.50 M	(115) YEAR OF FUTURE ADT:	2041
( 53) MIN VERT CLEAROVER BRIDGE RDWY:	4.57 M	*****INSPECTIONS*****	
( 54) MIN VER UNDERCLEAR REF:	Highway	( 90) INSPECTION DATE: 0523	( 91) FREQUENCY: 24 MO
( 55) MIN LAT UNDERCLEAR RT REF:	N/A	( 92) CRITICAL FEATURE INSPECTION:	( 93) CFI DATE
( 56) MIN LAT UNDERCLEAR LEFT:	.00 M	( A) FRACTURE CRITICAL DETAIL: Yes	24 MO A) 05/23
*****NAVIGATION DATA*****		( B) UNDERWATER INSP: Yes	48 MO B) 03/21
( 38) NAVIGATION CONTROL:	Br Permit Req	CODE:	1 ( C) OTHER SPECIAL INSP: No
(111) PIER PROTECTION:	Functioning	CODE:	2 MO C) /
( 39) NAVIGATION VERTICAL CLEARANCE:	56.40 M		
(116) VERT-LIFT BRIDGE NAV MIN VERT CLEARANCE:	M		
( 40) NAVIGATION HORIZONTAL CLEARANCE:	335.30 M		

**No element data exists for this structure.**