The National Bridge Inventory contains data submitted by state transportion departments to the Federal Highway Administration in coded format.

Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information							43-09-00 =	085-46-11 = -
Michigan [26]	Kent County [081]		Sparta [75440] .20 MI N OF 12 MILE RD		RD		43.150000	85.769722
41200068000B010 Highway agency district 3		Owner County Highway	Owner County Highway Agency [02] Maintenance re		responsibility	County Highway Agency [02]		
Route 4105 FRUIT RIDGE AVE			Toll On fre	e road [3] Fe	eatures intersect	ed NASH CRE	EK	
Design - Concrete [main Tee beam		Design - approach	[00]	Year built 1940	0.7 km = 930.4 Year reco	mi onstructed N/A	[0000]	
				Skew angle 0 Historical significance	Structure Fla	not eligible for t	he NRHP. [5]	
Total length $\boxed{8.2 \text{ m} = 26.9 \text{ ft}}$ Length of maximum span $\boxed{7.3 \text{ m} = 24.0 \text{ ft}}$ Deck width, out-to-out $\boxed{10.3 \text{ m} = 33.8 \text{ ft}}$ Bridge roadway width, curb-to-curb $\boxed{9.8 \text{ m} = 32.2 \text{ ft}}$								
Inventory Route, Total Horizontal Clearance 9.8 m = 32.2 ft			Curb or sidewalk wi	Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidew			ewalk width - right	0  m = 0.0  ft
Deck structure type Concrete Cast-in-Place			ce [1]					
Type of wearing surface Bituminous [6]		Bituminous [6]						
Deck protection								
Type of membrane/w	earing surface							
Weight Limits								
Bypass, detour length Method to determine inventory rating			Load Factor(LF) [1]		entory rating	39.8 metric ton	= 43.8 tons	
0.6 km = 0.4 mi  Method to determine operating rating		Load Factor(LF) [1]	Ope	erating rating	66.4 metric ton	= 73.0 tons		
Bridge posting Equal to or above legal loads [5]				Des	sign Load MS	18+Mod / HS 20	)+Mod [6]	

Functional Details								
Average Daily Traffic 4589 Average daily tr	uck traffi 0 % Year 2004 Future average daily traffic 7800 Year 2024							
Road classification Major Collector (Rural) [07]	Lanes on structure 2 Approach roadway width 9.1 m = 29.9 ft							
Type of service on bridge Highway [1]	Direction of traffic 2 - way traffic [2]  Bridge median							
Parallel structure designation No parallel structure	e exists. [N]							
Type of service under bridge Waterway [5]	Lanes under structure 0 Navigation control							
Navigation vertical clearanc 0 = N/A	Navigation horizontal clearance 0 = N/A							
Minimum navigation vertical clearance, vertical lift bridge  Minimum vertical clearance over bridge roadway  99.99 m = 328.1 ft								
Minimum lateral underclearance reference feature Feature not a highway or railroad [N]								
Minimum lateral underclearance on right 99.9 = Unlimited Minimum lateral underclearance on left 0 = N/A								
Minimum Vertical Underclearance   0 = N/A   Minimum vertical underclearance reference feature   Feature not a highway or railroad [N]								
Appraisal ratings - underclearances N/A [N]								
Repair and Replacement Plans								
Type of work to be performed	Work done by							
	Bridge improvement cost Roadway improvement cost							
	Length of structure improvement Total project cost							
	Year of improvement cost estimate							
	Border bridge - state  Border bridge - percent responsibility of other state							
	Border bridge - structure number							

Inspection and Sufficiency									
Structure status Open, no res	striction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]						
Condition ratings - superstructur Satisfactory [6]		Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]						
Condition ratings - substructure	Very Good [8]	Appraisal ratings -	Meets minimum tolerable limits to be left in place as is [4]						
Condition ratings - deck	Satisfactory [6]	deck geometry							
Scour	Bridge foundation	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]							
Channel and channel protection		Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]							
Appraisal ratings - water adequad	Equal to present	desirable criteria [8]	Status evaluation						
Pier or abutment protection			Sufficiency rating 96.7						
Culverts Not applicable. Used if structure is not a culvert. [N]									
Traffic safety features - railings		inpected feature meets currently acce	eptable standards. [1]						
Traffic safety features - transition	ns	Not applicable or a safety feature is no	not required. [N]						
Traffic safety features - approach	n guardrail	Not applicable or a safety feature is no	not required. [N]						
Traffic safety features - approach	n guardrail ends	npected feature meets currently acce	eptable standards. [1]						
Inspection date October 2009 [1009] Designated inspection frequency 24 Months									
Underwater inspection	Not needed [N]	Underwater inspec	ection date						
Fracture critical inspection	Not needed [N]	Fracture critical in:							
Other special inspection	Not needed [N]	Other special inspection date							