

Appendix B – Inventory of Structures



Albion St. Bridge

Milepost:	2.81 (204.19)
County:	Davidson
Type:	Open Deck Timber Trestle
Spans:	3
Length:	44 ft
Height:	13 ft
Replace / Repair:	Replace with a single span steel through girder
Comments:	This bridge has a 11'-0" clearance which is the reason it needs replaced with a through-girder. The cost estimate also includes lowering the road so that a 14'-0 clearance can be achieved. Consideration should also be given to closing this crossing.



Alameda St. Bridge

Milepost:	2.90 (204.10)
County:	Davidson
Type:	Open Deck Timber Trestle
Spans:	3
Length:	38 ft
Height:	12 ft
Replace / Repair:	Replace with a single span steel through girder
Comments:	This bridge has a 9'-4" clearance which is the reason it needs replaced with a through-girder. The cost estimate also includes lowering the road so that a 14'-0 clearance can be achieved. Consideration should also be given to closing this crossing.



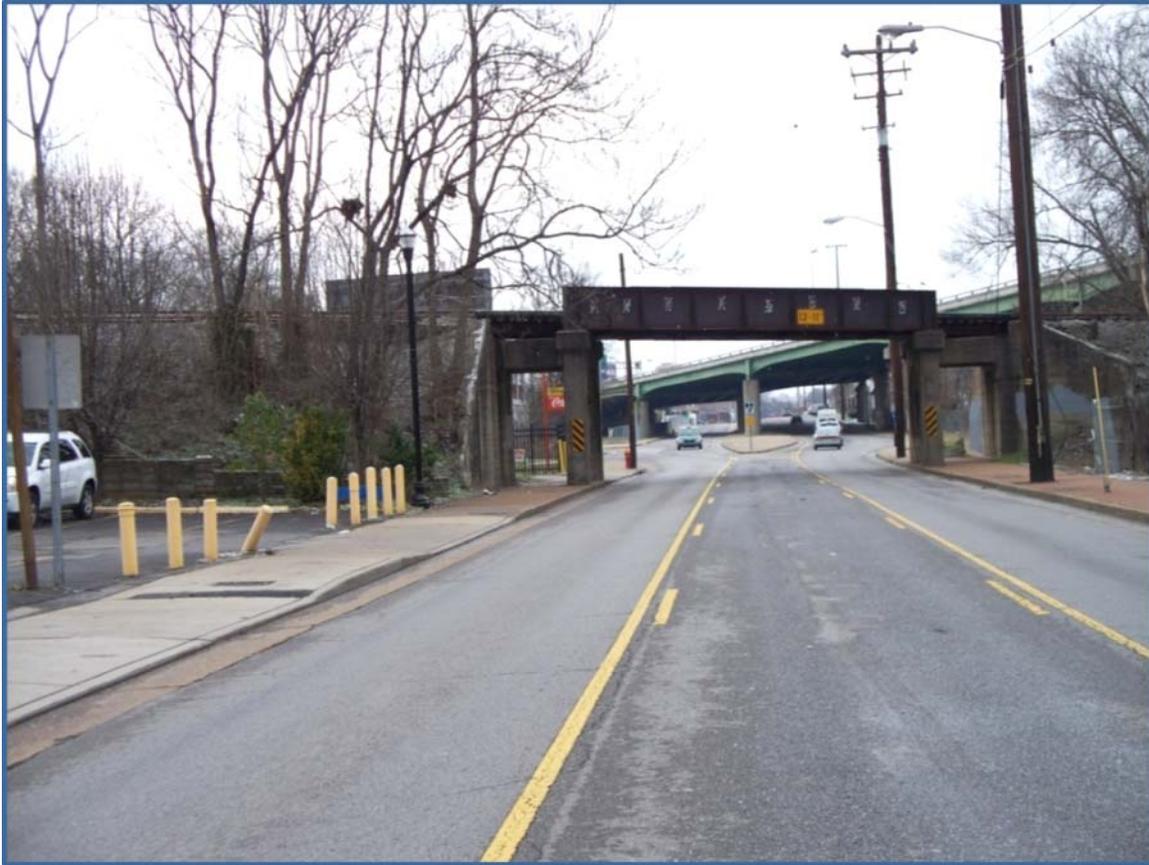
MeHarry Blvd. Bridge

Milepost:	2.99 (204.02)
County:	Davidson
Type:	Open Deck Timber Trestle w/ Steel Span over the road
Spans:	7
Length:	105 ft
Height:	14 ft
Replace / Repair:	Replace with a span steel through girder over the road w/ two approach spans
Comments:	This bridge has a 10'-6" clearance which is the reason it needs replaced with a through-girder. The cost estimate also includes lowering the road so that a 14'-0 clearance can be achieved.



Alley Bridge

Milepost:	3.02 (203.99)
County:	Davidson
Type:	Open Deck Timber Trestle
Spans:	3
Length:	40 ft
Height:	10 ft
Replace / Repair:	Replace with a single span steel through girder
Comments:	This bridge has a very low clearance which is the reason it needs replaced with a through-girder. Consideration should also be given to closing this crossing. The alley could be lowered 3-4 feet to improve clearance.



Jefferson Street Bridge

Milepost:	3.08 (203.93)
County:	Davidson
Type:	Open Deck Steel Through Girder w/ Steel Girder Approaches
Spans:	3
Length:	61 ft
Height:	17 ft
Replace / Repair:	Replace with a single span steel through girder
Comments:	This bridge has a 13'-11" clearance which is the reason it needs to be a through-girder. The bridge is in fair shape and if the budget is tight would not have to be replaced.



Cumberland River Bridge

Milepost:	4.45 (202.50)
County:	Davidson
Type:	Steel Through Truss Swing Span w/ Open Deck Timber Approaches
Spans:	108
Length:	1890 ft
Height:	35 ft
Replace / Repair:	Replace with a fixed span through truss and concrete girder approach spans
Cost Estimate:	\$35,000,000
Comments:	This bridge qualifies for Truman-Hobbs funding. The new bridge will need to be raised approximately 22 feet.



Nursery Access Bridge

Milepost:	6.5 (200.4)
County:	Davidson
Type:	Open Deck Timber Trestle
Spans:	4
Length:	48 ft
Height:	14 ft
Replace / Repair:	None
Cost Estimate:	\$ 0
Comments:	This bridge was filled in late 2008 with funding from TDOT's shortline rehabilitation program.



White's Creek Bridge

Milepost:	6.7 (200.13)
County:	Davidson
Type:	Open Deck Timber Trestle w/ a steel through truss over the Creek
Spans:	19
Length:	316 ft
Height:	35 ft
Replace / Repair:	Replace
Comments:	This bridge was originally over 1000 ft long and has recently been filled in to a length of 316 ft.



Stewart's Lane & Eaton's Creek Bridge

Milepost:	7.1 (199.87)
County:	Davidson
Type:	Open Deck Timber Trestle / Ballast Deck Steel Girder / Open Deck Steel Girder over the Creek
Spans:	11
Length:	323 ft
Height:	22 ft
Replace / Repair:	Replace
Comments:	Only a portion of the bridge will need to be replaced. The other creek span will need to be converted to a ballast deck and the whole structure will need to be raised to improve clearanec at Stewart's Lane



Old Hyde's Ferry Pike

Milepost:	9.3 (197.54)
County:	Davidson
Type:	Open Deck Timber Trestle
Spans:	5
Length:	61 ft
Height:	12 ft
Replace / Repair:	Replace
Comments:	This bridge has a sub-10' clearance which is the reason it needs replaced with a through-girder. Lowering the road may not be feasible, so a substantial track raise may be necessary.



Bridge Over Old Hickory Blvd.

Milepost:	10.6 (196.37)
County:	Davidson
Type:	Open Deck Timber Trestle w/ Steel Ballast Deck Span over Road
Spans:	21
Length:	282 ft
Height:	33 ft
Replace / Repair:	Replace
Comments:	A creek also runs under this bridge.



Bridge Over Bull Run Creek

Milepost:	14.5 (192.58)
County:	Cheatham
Type:	Open Deck Timber Trestle
Spans:	15
Length:	203 ft
Height:	22 ft
Replace / Repair:	Strengthen and possibly add a ballast deck
Comments:	This bridge was built in the late 1980's and has seen very little service



Bridge Over Marrowbone Creek

Milepost:	20.1 (187.03)
County:	Cheatham
Type:	Open Deck Timber Trestle w/ Steel Through Truss
Spans:	59
Length:	850 ft
Height:	34 ft
Replace / Repair:	Replace
Comments:	The new bridge may be able to be shortened substantially