

Preparer's initials: YCP

Date: 6-17-98

BRIDGE SUMMARY SHEET

P00100-003

District: 18 County: 057 Bridge # 8042-18-003 Inspection Date: 6-17-98

Location: Midway Rd Over Hutton Branch

Description: 3- M.B.C.

SUMMARY OF INSPECTION / ANALYSIS

Selected Component Description	Inspection Rating (1085)	Inventory Rating (HS Truck)	Operating Rating (HS Truck)
<u>Curvent</u>	<u>6</u>	<u>HS15</u>	<u>HS20</u>

RECOMMENDATIONS

We recommend the following actions to be taken:

- No action or Load Posting required
- (Retain, Repair, Remove) current Load Posting
- Load Post according to the recommendations listed below
- Perform additional (Inspection, Analysis) (See comments below)
- Rehabilitate or repair bridge (See comments below)
- Close bridge pending further (Inspection, Rehabilitation, or Repair)
- Perform special inspection (Underwater, Fracture critical, Scour, 12-month Inspection, Special access)



COMMENTS AND/OR MATERIALS REQUIRED TO UPGRADE BRIDGE

Repair damaged pedestrian railing at N. intake.
Remove vegetation down stream end.

EXISTING LOAD POSTING

PROPOSED LOAD POSTING FOR PRESENT CONDITION (If Applicable)

	Inventory	Operating
<input checked="" type="checkbox"/> None		
<input type="checkbox"/> R12-2Tb	Lbs Axle or Tandem	Lbs Axle or Tandem
<input type="checkbox"/> R12-2Tc	Lbs Tandem Axle	Lbs Tandem Axle
<input type="checkbox"/> R12-4Tb	Lbs Gross	Lbs Gross
<input type="checkbox"/> R12-4Tc		
<input type="checkbox"/> Other (Description)		

(District to decide Load Posting according to either Inventory or Operating rating)

Proposed Sign (I-Inventory, O-Operating)

Sign Type	Max. Span	Load Limit
<input type="checkbox"/> I <input type="checkbox"/> O R12-2Tb	< 40 ft	≤ 20,000 #
<input type="checkbox"/> I <input type="checkbox"/> O R12-2Tc	< 40 ft	> 20,000 #
<input type="checkbox"/> I <input type="checkbox"/> O R12-4Tb	≥ 40 ft	≤ 20,000 #
<input type="checkbox"/> I <input type="checkbox"/> O R12-4Tc	≥ 40 ft	> 20,000 #

WEIGHT LIMIT	WEIGHT LIMIT	WEIGHT LIMIT	WEIGHT LIMIT
AXLE OR TANDEM	TANDEM AXLE	GROSS	GROSS
SS1	SS1	SS1	SS1
		AXLE OR TANDEM	TANDEM AXLE
		SS1	SS1

R12-2Tb

R12-2Tc

R12-4Tb

R12-4Tc

Min.	Substructure (Item 60)	Rating
0	Abutment Caps	N
0	Above Ground	N
0	Below Ground or Foundation	N
0	Backwalls & Wingwalls	N
0	Intermediate Supports	
	Caps - Concrete	N
	Caps - Steel	N
	Caps - Timber	N
	Above Ground - Concrete	N
	Above Ground - Steel	N
	Above Ground - Timber	N
	Above Ground - Masonry	N
	Below Ground or Foundation	N
5	Collision Protection System	N
6	Steel Protective Coating	N
	Component Rating	N

Comments: _____

Min.	Channel (Item 61)	Rating
0	Channel Banks	6 1
0	Channel Bed	5 2
5	Rip Rap, Toe Walls & Aprons	6 2
5	Dikes	N
5	Jetties	N
	Other	N
	Component Rating	5

Comments: 1. Vegetation & silt downstream end.

2. Approximately 6" of scour at upstream apron edge.

1. Water ponding downstream end.

Min.	Culverts (Item 62)	Rating
0	Top Slabs	7 2
0	Bottom Slab or Footing	7 2
0	Abutments & Intermediate Supports	7 2
5	Headwalls & Wingwalls	6 1
	Other	N
	Component Rating	6

Comments: 1. Minor spall intake headwall due to rail impact.

2. Minor leaching cracks in ceiling & abutment walls
Approximately 12" of silt & rubble in east upstream
barrel.

Min.	Approaches (Item 65)	Rating
0	Embankments	8
4	Embankment Retaining Walls	N
5	Slope Protection	8
5	Roadway <u>Concrete</u>	7 1
6	Relief Joints	7 1
6	Drainage	8
6	Guardfence	8
7	Delineation	N
7	Sight Distance	8
	Other	N
	Component Rating	7

Comments: 1. Minor spalls.

Min.	Miscellaneous	Rating
7	Signs	N
7	Illumination	N
7	Warning Devices	N
7	Utility Lines	N
	Other	N

Comments: No load posting.

Bridge Appraisal Worksheet

MIDWAY ROAD
HUTTON BR.

District 18 County 057 Cont-Sec P00100 Structure 003

Route _____

Traffic Safety Features (Item 36)

Non-standard Steel Rail

Bridge Railing (1st Digit)

Rating —

Transitions (2nd Digit)

Rating —

No Guardfence provided

Approach Guardrail (3rd Digit)

Rating —

Guardrail Terminal (4th Digit)

Rating —

Structural Evaluation (Item 67)

Culvert Rating = 6
----- Table 1 -----
ADT > 5000
Inventory Rating = HS-15.0 ==> 6

Rating —

Deck Geometry (Item 68)

----- Table 2C -----
Open Access Facility
3 Lanes, 1-Way
Roadway Width = 35.8 FT ==> 2

----- Table 2E -----
Collector or Local Route or
Frontage Road
Vertical Clearance = 99 FT 99 IN
==> 9

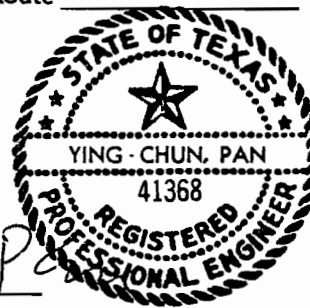
Rating —

Date Jun. 25, 1998

JBV

V 7.7

Signature *Ying C Pan*



Underclearances (Item 69)

Stream or waterway crossing

Rating —

Bridge Posting (Item 70)

Operating Rating = HS-20.0 ==> 5
Rating —

Waterway Adequacy (Item 71)

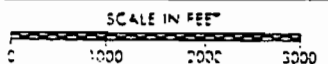
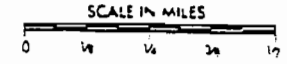
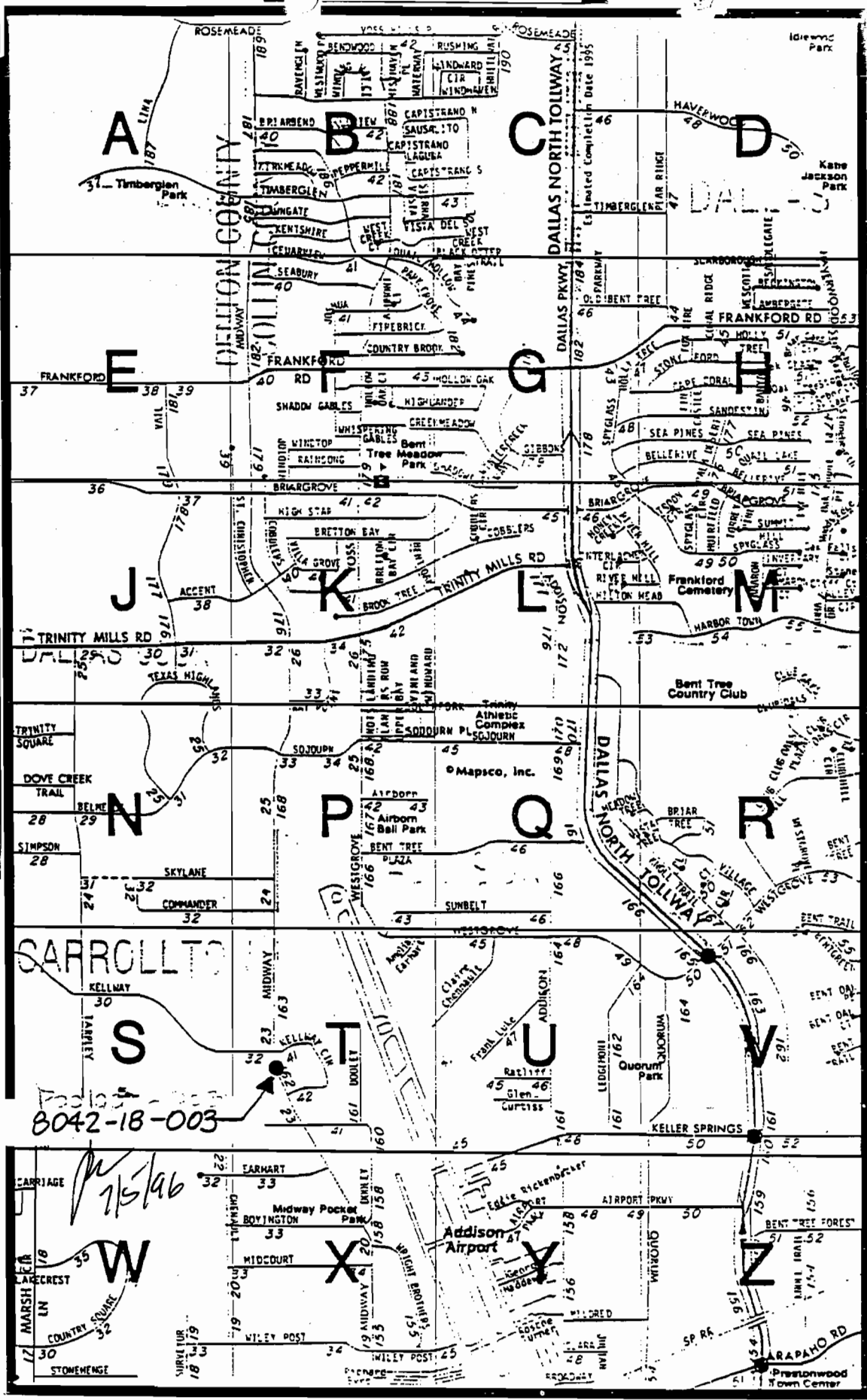
Arterials or major collectors.
Deck and approach overflowing
frequency > 100 years.
==> 9

Rating —

Approach Roadway Alignment (Item 72)

Regulatory speed = 40 MPH
Approach alignments are good.
No speed reduction required ==> 8

Rating —



P00100-003

DATE 6-17-98

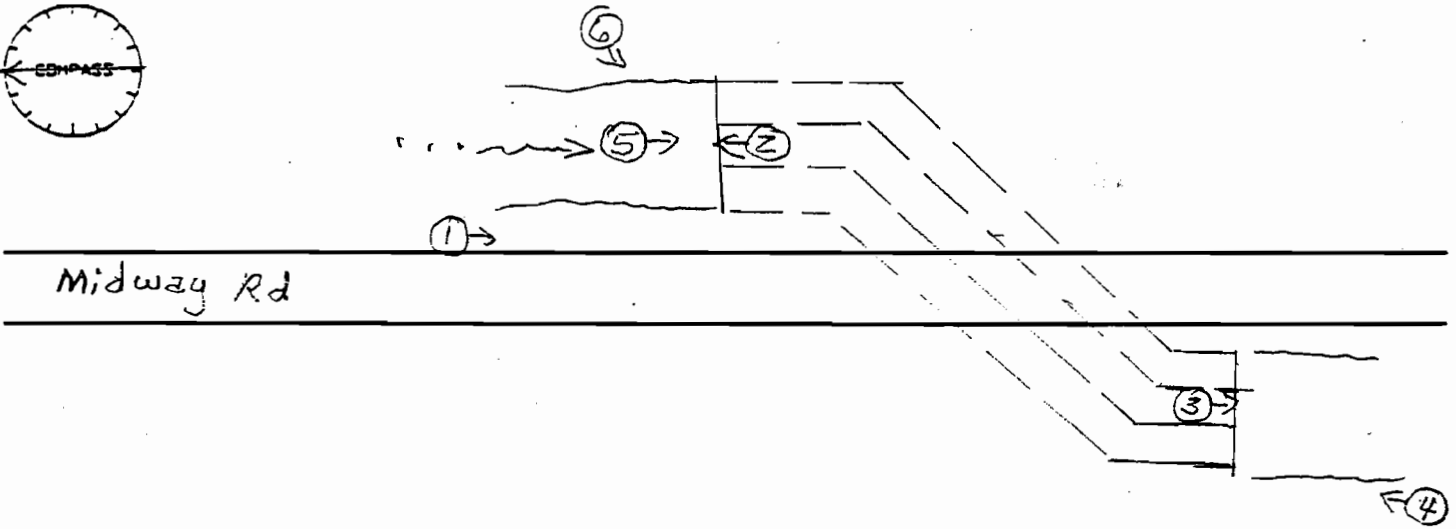
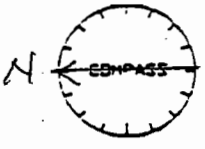
COUNTY 18-057-8042-18

BRIDGE 003

ROLLS 1

PHOTOGRAPH SUMMARY SHEET

NEGATIVE NUMBER	VIEW NUMBER	CAPTION	NOTES
23	1	ROADWAY OVER BRIDGE (Looking S)	
24	2	VIEW FROM BRIDGE (Looking UP Stream) N	N
25	3	VIEW FROM BRIDGE (Looking DOWN Stream) S	S
26	4	ELEVATION (Looking NE)	
27	5	SUPERSTRUCTURE (Looking S)	
28	6	STREAM (Looking SW)	
		ROADWAY UNDER _____ (Looking)	



 VIEW LOCATION



Roadway Over Bridge
Looking South

Neg. 23 View 1



Upstream View
Looking North

Neg. 24 View 2

Date: 06/17/98

County: Dallas (057)

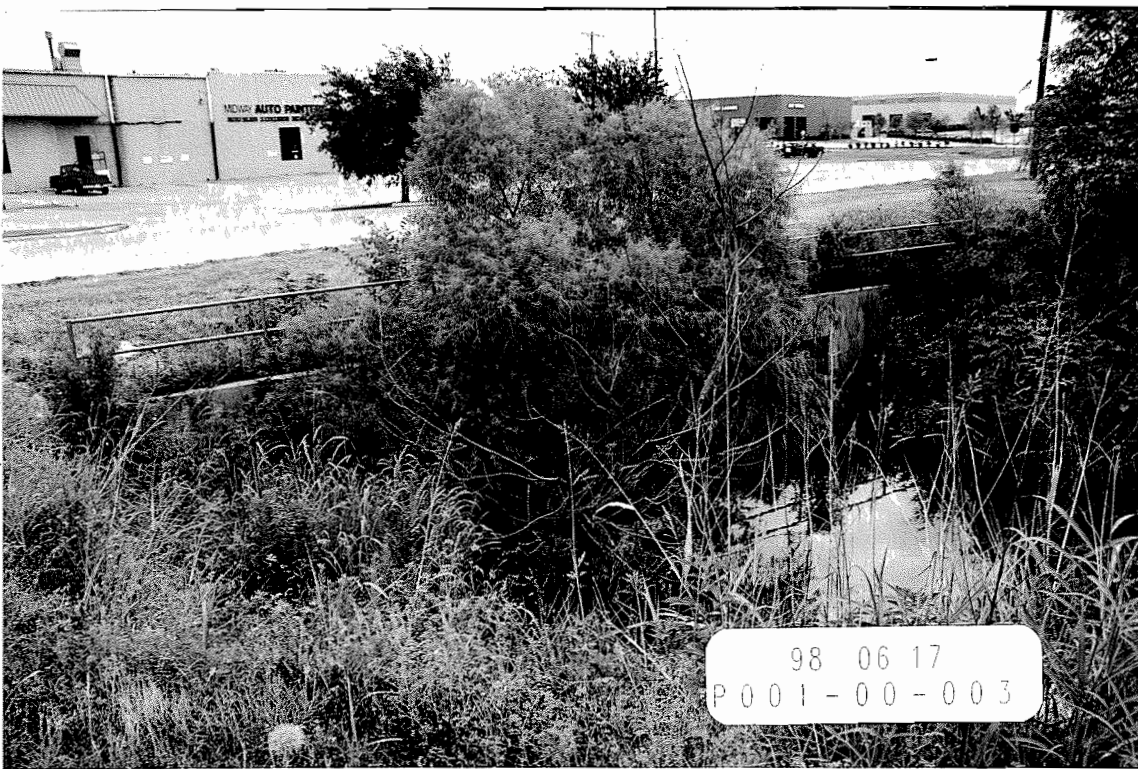
ID No.: PO01-00-003

Route: Midway Road



Downstream View
Looking South

Neg. 25 View 3



Elevation
Looking Northeast

Neg. 26 View 4

Date: 06/17/98

County: Dallas (057)

ID No.: PO01-00-003

Route: Midway Road



Superstructure

Looking South

Neg. 27 View 5



Stream

Looking Southwest

Neg. 28 View 6