

County: DALLAS
Bridge: 8042-18-003

DUPLICATE

Facility Over: HUTTON BRANCH
Feature Intersected: MIDWAY ROAD

Still
Shred®



Feature X Midway Road
 COUNTY Dallas FAU

BRIDGE 8042-003

DATE MM DD YY	COMMENTS	CONDITION RATINGS				
		58	59	60	61	62
2-20-80	3- Barrel Concrete Box Culvert	7	8	N	7	8
3-16-82		N	8	8	7	8
5-5-86		N	8	8	7	8
3-30-90		N	N	N	7	7
3-23-92		N	N	N	6	6
3-15-94		N	N	N	6	7
4-21-96	3 $\frac{1}{2}$ silt E. barrel / 2 $\frac{1}{2}$ standing water discharge	N	N	N	5	6

BRIDGE HISTORY *N* 7/5/96



Bridge Inspection Record

District 140 County 057 Cont-Sec 0042-18 Structure 003 Route MIDWAY ROAD

Description 3-BARREL RCB

Inspector's Signature

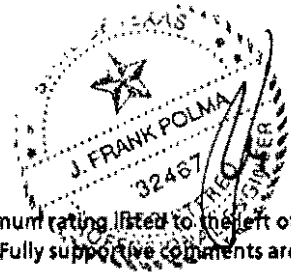
[Handwritten Signature], PE

Date

4/21/96

- N - Not applicable
- 9 - Excellent condition
- 8 - Very good condition - no problems noted
- 7 - Good condition - some minor problems
- 6 - Satisfactory condition - minor deterioration of structural elements (limited)
- 5 - Fair condition - minor deterioration of structural elements (extensive)
- 4 - Poor condition - deterioration significantly affects structural capacity
- 3 - Serious condition - deterioration seriously affects structural capacity
- 2 - Critical condition - bridge should be closed until repaired
- 1 - Failing condition - bridge closed but repairable
- 0 - Failed condition - bridge closed and beyond repair

Enter a rating for each element of each component. The rating should equal or exceed the minimum rating listed to the left of each element. Component Ratings should equal the lowest rating of any element of the component. Fully supportive comments are to be made hereon or on attachments for all ratings of 7 or below.



Min.	Deck (Item 58)	Rating
1	Deck - Rating _____	<u>N</u>
6	Wearing Surface _____	<u>7</u>
6	Joints, Expansion, Open _____	<u>N</u>
6	Joints, Expansion, Sealed _____	<u>N</u>
6	Joints, Other <u>relief</u> _____	<u>7</u>
6	Drainage System _____	<u>B</u>
6	Curbs, Sidewalks & Parapets _____	<u>B</u>
6	Median Barrier _____	<u>N</u>
6	Railings <u>RR</u> _____	<u>6</u>
7	Railing Protective Coating <u>galv</u> _____	<u>B</u>
7	Delineation (curve markers) _____	<u>B</u>
	Other _____	<u>N</u>

Comments: Impact damage to pedestrian rail on left end intake roadway.

Min.	Superstructure (Item 59)	Rating
0	Main Members - Steel _____	<u>N</u>
0	Main Members - Concrete _____	<u>N</u>
0	Main Members - Timber _____	<u>N</u>
0	Main Member Connections _____	<u>N</u>
1	Floor System Members _____	<u>N</u>
1	Floor System Connections _____	<u>N</u>
5	Secondary Members _____	<u>N</u>
5	Secondary Member Connections _____	<u>N</u>
6	Expansion Bearings _____	<u>N</u>
6	Fixed Bearings _____	<u>N</u>
6	Steel Protective Coating _____	<u>N</u>
	Other _____	<u>N</u>
	Component Rating _____	<u>N</u>

Comments: _____

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

Comments: _____

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

Comments: Minor exposure, debris
& channel & culvert
water. Significant silt
accumulation in E culvert
barrel (3'-4"). 2'-4" water
standing in culvert barrels
& discharge. channel down
stream of bridge should be
regraded to correct this
problem.

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

Comments: minor spalle intake
above due to rail impact.
Minor (chipping) cracks in
ceiling & abut walls.

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

Comments: MOBE near abut intake
is damaged by impact.

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

Comments: no load posting

Bridge Appraisal Worksheet

District 18 County 057 Cont. Sec 8042-18 Structure 003 Route MIDWAY ROAD

Traffic Safety Features (Item 36)

Standard MBGF Standard Traffic or Combination Rail
 None N/A Damaged Non-Std.
 Other NON STD
Bridge Railing (1st Digit) Rating — 0

MBGF Transition Standard Traffic or Combination Rail
 None N/A Damaged Non-Std.
 Other _____
Transitions (2nd Digit) Rating — 0

Standard MBGF Standard Traffic or Combination Rail
 None N/A Damaged Non-Std.
 Other _____
Approach Guardrail (3rd Digit) Rating — 0

MBGF Terminal Impact Attenuator
 None N/A Damaged Non-Std.
 Other _____
Guardrail Terminal (4th Digit) Rating — 0

Structural Evaluation (Item 67)

IR= HS20
 Other _____

Condition Ratings ADT 5700 Yr. 90
 Superstructure (Item 59) From TXDOT Traffic Count
 Substructure (Item 60) From Field Estimates
 Culvert (Item 62)
 Structural Rating (Table 1) 6 Rating — 6

Deck Geometry (Item 68)

No. of Lanes (Each Way) 3

2 Lanes, 2-Way Traffic (Table 2A)
 2 or More Lanes Each Way (Table 2C)
 Limited Access Freeway
 Multilane Facility
 1-Way ramp (Table 2D)

Posted
 Measured
 Estimated
 Limited Access Arterial
 Collector or Local

Bridge Roadway Width 39.75 / 32
 Bridge Roadway Width Rating 2 Rating — 2

Date 5/4/96

STATE OF TEXAS
 J. FRANK POLMA
 32467
 REGISTERED PROFESSIONAL ENGINEER

Signature J. Frank Polma

Underclearances (Item 69)

Stream Crossing (Item N/A) Lateral Clear Right (Item 55)
 Vertical Underclearance (Item 54) Lateral Clear Left (Item 56)
 Posted Meas. Est.

Route Description
 Limited Access, Rural 1-Way Traffic
 Limited Access, Urban 2-Way Traffic
 Principal & Minor Arterials Acceleration & Deceleration Lane or Ramp under 2-way Traffic
 Collector & Local Roads
 Railroad Lateral Clearance Rating (Table 3B) _____

Vertical Underclearance Rating (Table 3A) _____ Rating — N

Bridge Posting (Item 70)

OR= HS27 Posted Load _____

Required Posting _____

Other _____ Rating — 5

Waterway Adequacy (Item 71)

Grade Separation (Item N/A)
 No Evidence of Flooding Deck above Approaches
 Evidence of Flooding

Chance of Overtopping **Traffic Delay if Flooded**
 Remote (> 100 Yrs.) Deck Rdwy. Insignificant
 Slight (11-100 Yrs.) _____ Significant
 Occasional (3-10 Yrs) _____ Severe
 Frequent (<3 Yrs.) _____ Rating — 9

Approach Roadway Alignment (Item 72)

Speed Reduction at Bridge Approaches
 Not Required (8)
 Slight Reduction (6)
 Substantial Reduction (<=3)

Speed Reduction Required due to
 Vertical Alignment
 Horizontal Alignment
 Other _____

Rating — 8

Rating Code Descriptions

Traffic Safety Features (Item 36)

The four Traffic Safety Features are assigned a one-digit rating based on the following scale.

- 1 - Feature meets currently acceptable standards.
- 0 - Feature does not meet currently acceptable standards or feature is required but not provided.
- N - Not applicable or feature is not required.

General Features (Items 67, 68, 69, 71, and 72)

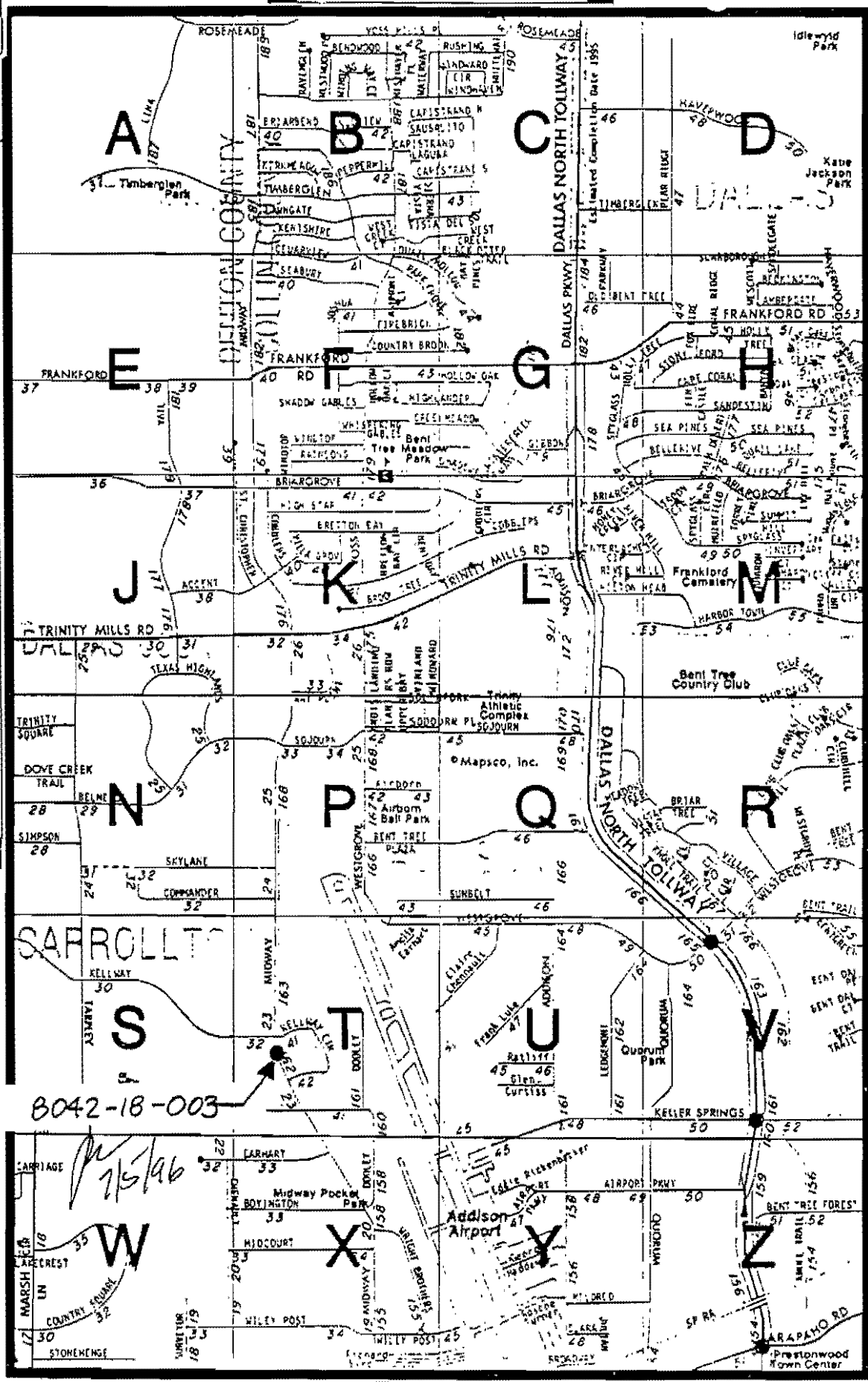
Items 67, 68, 69, 71, and 72 are assigned a one-digit rating based on the following scale.

- N - Not applicable.
- 9 - Superior to present desirable criteria.
- 8 - Equal to present desirable criteria.
- 7 - Better than present minimum criteria.
- 6 - Equal to present minimum criteria.
- 5 - Somewhat better than minimum adequacy to tolerate being left in place as is.
- 4 - Meets minimum tolerable limits to be left in place as is.
- 3 - Basically intolerable condition requiring high priority of corrective action.
- 2 - Basically intolerable condition requiring high priority of replacement.
- 1 - This value of rating code not used.
- 0 - Bridge closed.

Bridge Posting (Item 70)

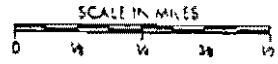
Item 70 is assigned a one-digit rating based on the following scale.

- 5 - Operating rating equal to or above legal loading.
- 4 - Operating rating 0.1 to 9.9% below legal loading.
- 3 - Operating rating 10.0 to 19.9% below legal loading.
- 2 - Operating rating 20.0 to 29.9% below legal loading.
- 1 - Operating rating 30.0 to 39.9% below legal loading.
- 0 - Operating rating 39.9% or more below legal loading.

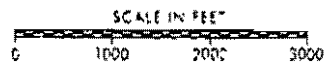


B042-18-003

7/5/96



DETAIL MAP SECTION STARTS ON INDEX PAGE 202



COUNTY : DALLAS FAU
BRIDGE NO.: 8042-18 003
LOCATION : MIDWAY ROAD OVER
HUTON BRANCH



jh
7/15/96

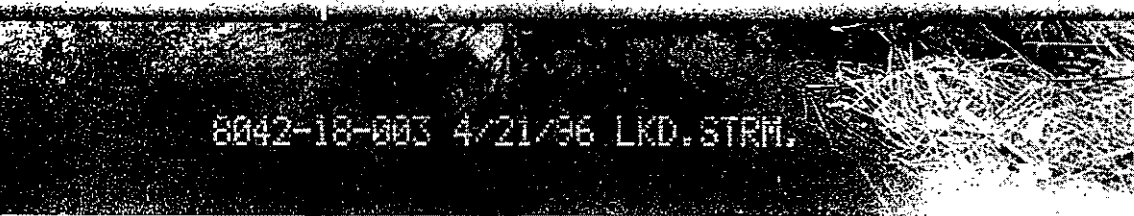
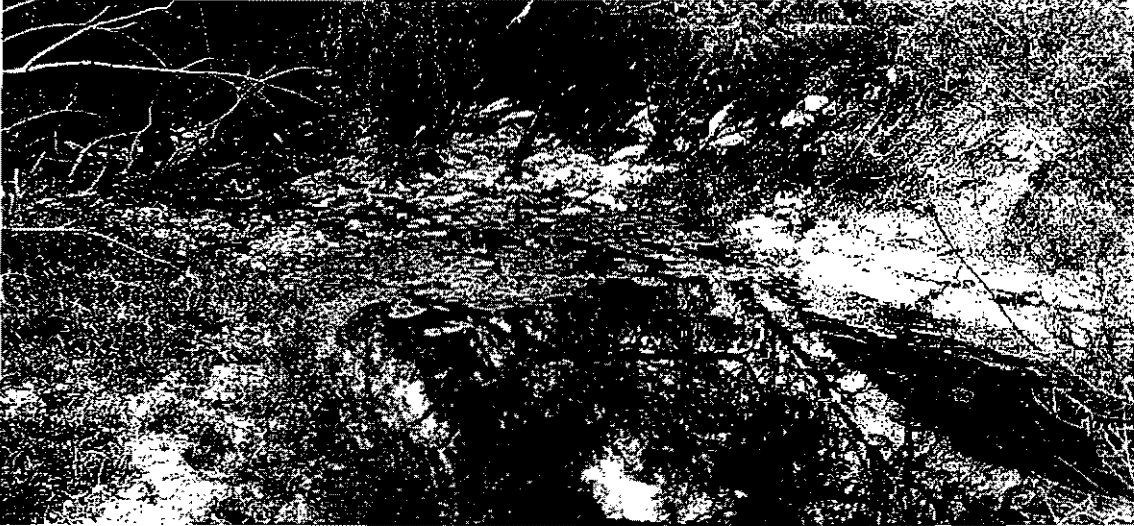
COUNTY : DALLAS FAU
BRIDGE NO.: 8042-18 003
LOCATION : MIDWAY ROAD OVER
HUTON BRANCH



8042-18-003 4/21/96 L.R.S.

ph
7/5/96

COUNTY : DALLAS FAU
BRIDGE NO.: 8042-18 003
LOCATION : MIDWAY ROAD OVER
HUTON BRANCH



ph
7/5/96

COUNTY : DALLAS FAU
BRIDGE NO.: 8042-18 003
LOCATION : MIDWAY ROAD OVER
HUTON BRANCH



ph
7/5/96