



Texas Department of Transportation

P.O. BOX 3067 • DALLAS, TEXAS 75221-3067 • (214) 320-6100

December 18, 1998

Mr. John Baumgartner
Director of Public Works
City of Addison
5300 Beltline Rd.
P.O. Box 9010
Addison, Tx. 75001-9010

RE: Off-System BRINSAP Inspection Folders

Dear Baumgartner:

An inspection and analysis of Off-System public bridges, consistent with Federal Regulations and the National Bridge Inspection Standards and Section 9 of House Bill 1547, was recently completed by this department. The bridge inspection was conducted and the recommendations were prepared by private consultants. Since some of these bridges are within your jurisdiction and subject to your control, supervision and maintenance, we are forwarding these folders containing the pertinent findings. This information can be used in carrying out your responsibilities for the bridge maintenance, repair, closures and weight limit posting.

1. List of bridges in the City of Addison.
2. List of bridges with scour.
3. FAU to Off-System cross reference list. There are no longer any structures with FAU numbers. All FAU (8000 Series) structures have been converted to an Off-System number.

Please notify us of any new structures within your jurisdiction that need to be added to our database.

If you have any questions, comments, suggestions or need additional information, please contact Mr. Ibrahim Musa, P.E. in the Dallas District Bridge Section, at tel. (214)320-4423 or fax (214)319-6439.

Sincerely,

Charles R. Tucker, P.E.
Director of Transportation
Planning and Development

Attachments

OFF-SYSTEM BRIDGES LISTED BY CITY

----- COUNTY=057 OWNER=ADDISON -----

OBS	COUNTY	CNTL_SEC	STR_NO	STR_FUNC	INTRSCT	FCLTY_OV	LOCATION	CITY
334	057	P00100	003	1	HUTON BRANCH	MIDWAY ROAD	0.2 MI N KELLER SP. R	0020
335	057	P00200	001	1	FARMERS BRANCH CREEK	FARMBROOK DRIV	E 0.1 MI S OF BROOKHAVE	0020
336	057	P00220	001	1	FARMERS BRANCH CREEK	OAKS NORTH	0.1 MI S OF BELT LINE	0020

**BRINSAP SUMMARY SHEET
DALLAS DISTRICT
DALLAS COUNTY, OFF-SYSTEM**

SCHEDULE: UNDERWATER/SCOUR PRESENCE

This is either in addition to structures already in the TxDOT/Scour Evaluation Program or observed to have additional scour compared to the existing scour evaluation in the file.

Addison

P001-00-003

Carrollton

H002-25-068
H002-25-070
H002-25-071
H003-75-131
H008-25-001

H008-80-001
H008-97-002
H015-57-004
H015-70-004
H017-57-006

Coppell

D005-70-010
H015-90-001
V000-25-001
V000-65-002
V000-70-001

V001-00-002
V001-07-001
V002-10-001
V002-43-001
V003-00-001

Dallas

9A30-50-001
9A54-30-001
9B26-10-031
9B29-80-001
9C02-80-002
9C05-90-001
9C22-70-001
9C47-60-001
9C47-60-002
9C58-10-007
9C60-51-001
9D35-40-004
9D35-40-005
9E57-20-001
9F05-60-001
9F14-40-001
9F66-80-003
9F66-80-004
9F66-80-005
9F73-25-005
9H19-20-011
9H19-20-015
9K09-00-003
9L23-50-002

9L70-80-003
9M06-40-002
9M50-00-003
9M57-60-001
9M67-60-013
9M67-60-014
9N65-80-001
9N65-80-002
9N80-50-001
9P11-70-002
9P75-10-001
9R65-40-001
9S31-00-001
9S46-40-001
9S63-50-001
9S92-60-003
9S92-60-017
9T90-40-001
9W07-50-003
9W07-50-004
9W55-20-001
D096-70-001
P001-00-002
T002-35-026

0000	StructureID	122 Xref PrinRt	6 1 Feat Xed	7 Fac Carried	3 County
180570N00595007	8245180070		S MESQUITE	BELT LINE RD	057
180570N00960001			HICKORY CR	RYLIE-CREST	057
180570N00960003			HICKORY CR	RYLIE CREST	057
180570N00985001	8246180010		HICKORY CR	SEAGOVILLE	057
180570N00985005	8246180050		HICKORY CR	SEAGOVILLE	057
180570PW413100			LOCAL CREE	EAST SPINE R	057
180570PW413100			LOCAL CREE	EAST SPINE R	057
180570PW413100			LOCAL CREE	ENTRANCE R	057
180570P00100002	8043180020		TRINITY RIVE	INWOOD/HAM	057
180570P00100003	8042180030		HUTON BRAN	MIDWAY ROA	057
180570P00200001			FARMERS BR	FARMBROOK	057
180570P00220001			FARMERS BR	OAKS NORTH	057
180570S00025001			DRAINAGE C	WINTERGREE	057
180570S00035001	8249180010		BEAVER CRE	CLARK ROAD	057
180570S00055004	8257180040		BENTLE BRA	PLEASANT R	057
180570S00200004	8258180040		LITTLE CREE	PARKERVILLE	057
180570S00210003	8187180030		STEWART BR	S MAIN ST	057
180570S00210004	8187180040		LITTLE CREE	DUNCANVILL	057
180570S00220001	8247180010		LITTLE CREE	BEAR CREEK	057
180570S00600011	8247180110		AT&SF RR &	MT LEBANON	057
180570S00605001			RED OAK CRE	SO CEDAR HI	057
180570S00620001	8250180010		BAGGETT BR	MANSFIELD R	057
180570S00625001			LITTLE CREE	COCKRELL HI	057
180570S00630001			BAGGETT BR/	LAKEVIEW DR	057
180570T00060001			BAGGETT BR/	CHIESA ROAD	057
180570T00080001			LAKE HUBBA	DALROCK RO	057
180570T00190001			LONG BRANC	KIRBY ROAD	057
180570T00200001			LONG BRANC	KYLE ROAD	057
180570T00230011	8041180110		RAWHIDE CR	MARSH LANE	057
180570T00235026	8050180260		WHITE ROCK	BELTLINE RO	057
180570T00240001			COTTONWOO	LIBERTY GRO	057
180570T00240002			MUDDY CREE	LIBERTY GRO	057
180570T00315018	8079180180		LAKE RAY HU	MILLER ROAD	057
180570T00315020	8079180200		LONG BRANC	MILLER ROAD	057
180570T00395002	8330180020		LONG BRANC	ROWLETT RO	057
180570T00443001			LAKE RAY HU	SPINNAKER C	057
180570U00025001	AA02260010		PARSONS SL	BOIS D'ARC R	057
180570V00025001			TRIB TO GRA	BETHEL ROA	057
180570V00025030	8051180300		GRAPEVINE C	BETHEL ROA	057
180570V00030001			TRIB OV GRA	BETHEL SCH	057
180570V00065001			COTTONWOO	NORTH COPP	057
180570V00065002			TRIB OF GRA	NORTH COPP	057
180570V00070001			GRAPEVINE C	SOUTH COPP	057
180570V00100001			TRIB OF DEN	DENTON TAP	057
180570V00100001	8337180010		BR OF GRAPVI	DENTON TAP	057
180570V00100002	8337180020		BR OF GRAPE	DENTON TAP	057
180570V00100002			DENTON CRE	DENTON TAP	057

Preparer's initials: yhb.
 Date: 8-28-98

BRIDGE SUMMARY SHEET

District: 18 County: 057 Bridge # P00220-001 Inspection Date: 8-28-98
 Location: Oaks North Over Farmers Branch Creek
 Description: 4-8'Wx4'H-MBC

SUMMARY OF INSPECTION / ANALYSIS

Selected Component Description	Inspection Rating (1085)	Inventory Rating (HS Truck)	Operating Rating (HS Truck)
<u>Calvert</u>	<u>7</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

NONE

EXISTING LOAD POSTING

PROPOSED LOAD POSTING FOR PRESENT CONDITION (If Applicable)

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

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

Proposed Sign (I-Inventory, O-Operating)

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

WEIGHT LIMIT AXLE OR TANDEM	WEIGHT LIMIT TANDEM AXLE	WEIGHT LIMIT GROSS	WEIGHT LIMIT TANDEM AXLE
.551	.551	.551	.551
R12-2Tb	R12-2Tc	R12-4Tb	R12-4Tc

Bridge Inspection Record

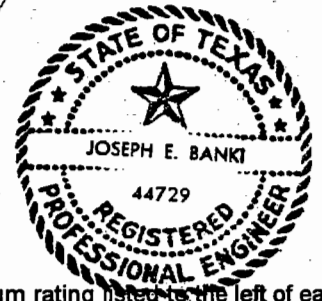
District 18 County 057 Cont-Sec P002-20 Structure 001 Route Oaks North

Description 4 - 8'W x 4'H - MBC over Farmers Branch Creek

Inspector's Signature John R. Galus Date 08/28/98

- N - Not applicable
- 9 - Excellent condition
- 8 - Very good condition
- 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 but beyond repair

John R. Galus



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	Min.	Superstructure (Item 59)	Rating
1	Deck-Rating	N	0	Main Members - Steel	N
			0	Main Members - Concrete	N
			0	Main Members - Timber	N
6	Wearing Surface	7	0	Main Member Connections	N
6	Joints, Expansion, Open	N	1	Floor System Members	N
6	Joints, Expansion, Sealed	N	1	Floor System Connections	N
6	Joints, Other	N	5	Secondary Members	N
6	Drainage System	8	5	Secondary Member Connections	N
6	Curbs, Sidewalks & Parapets	8	6	Expansion Bearings	N
6	Median Barrier	N		Fixed Bearings	N
6	Railings <u>non-standard</u>	8		Steel Protective Coating	N
7	Railing Protective Coating	8		Other	N
	Delineation (curve markers)	N		Component Rating	N
	Other	N			
Comments: <u>1. Minor concrete cracks.</u>			Comments:		

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 <u>concrete</u>	B
0	Channel Bed <u>concrete</u>	B
5	Rip Rap, Toe Walls & Aprons	N
5	Dikes	N
5	Jetties	N
	Other	7
	Component Rating	7

Comments: 1. Minor debris at low grate.

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

Comments: 1. Spalls with exposed rebar.
2. Minor cracks at wingwall to headwall joints.

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

Comments: 1. No approach rail.

Bridge Appraisal Worksheet

District 18 County 057 Cont - Sec P002-20 Structure 001 Route Oaks North

Traffic Safety Features (Item 36)

Non-standard Railing

Bridge Railing (1st Digit) Rating —

Transitions (2nd Digit) Rating —

No Guardfence provided

Approach Guardrail (3rd Digit) Rating —

Guardrail Terminal (4th Digit) Rating —

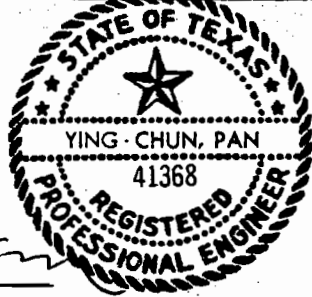
Date Sep. 3, 1998

JBV

V 7.7

Ying Chun Pan

Signature



Underclearances (Item 69)

Stream or waterway crossing

Rating —

Structural Evaluation (Item 67)

Culvert Rating = 7

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

Rating —

Bridge Posting (Item 70)

Operating Rating = HS-20.0 ==> 5

Rating —

Waterway Adequacy (Item 71)

Minor collectors or locals.
Bridge deck overflowing every
11 to 100 years.

==> 7

Rating —

Deck Geometry (Item 68)

----- Table 2A -----
2 Lanes; 2-Way Traffic
401 to 1000 ADT
Roadway Width = 29.0 FT ==> 5

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

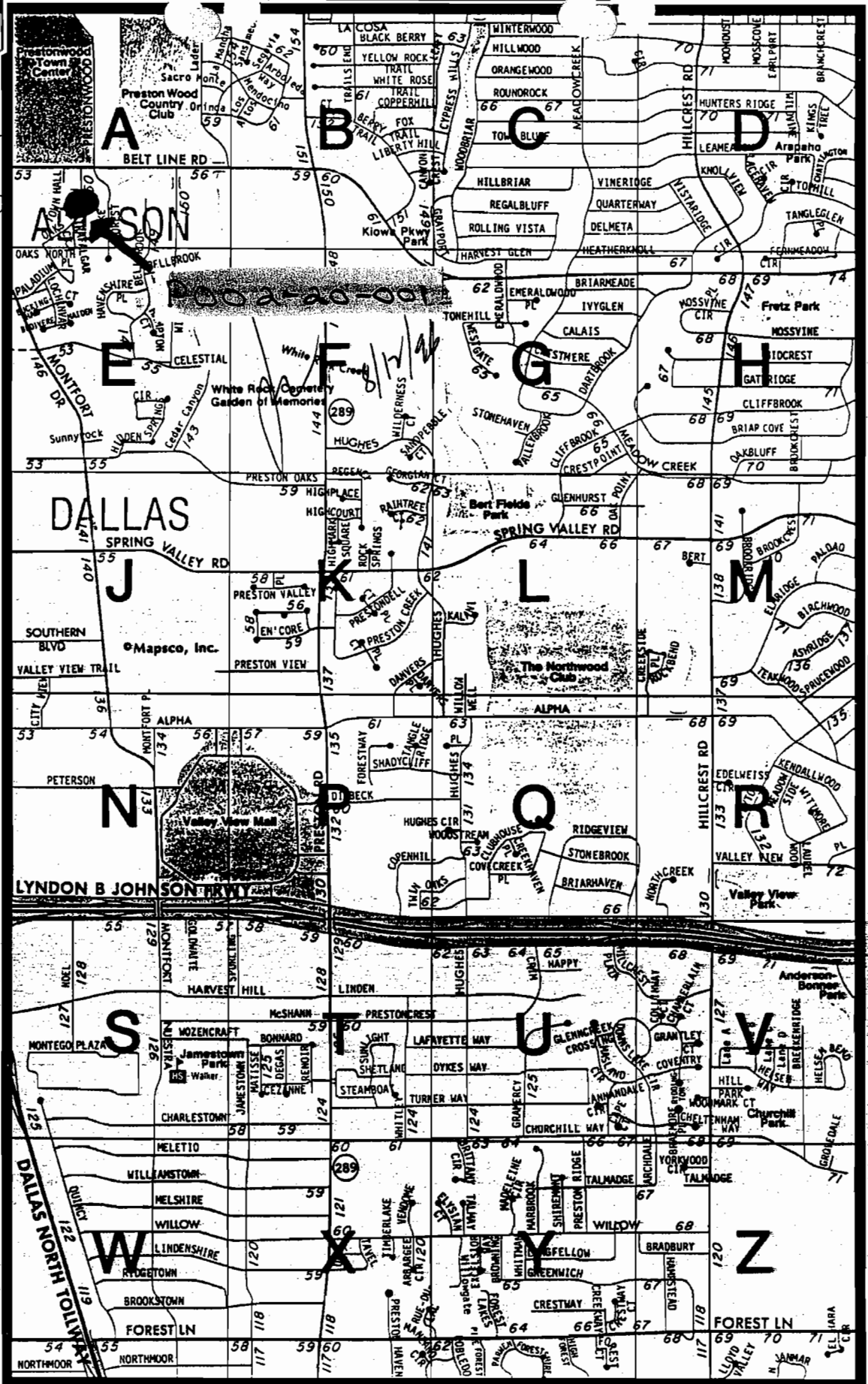
Rating —

Approach Roadway Alignment (Item 72)

Regulatory speed = 30 MPH

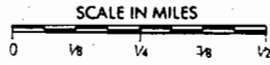
Approach alignments are good.
No speed reduction required ==> 8

Rating —

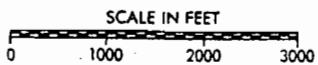


CONTINUED ON MAP 14

CONTINUED ON MAP 16



CONTINUED ON MAP 25



DETAIL MAP SECTION
STARTS ON INDEX PAGE 202

DATE 8-28-98

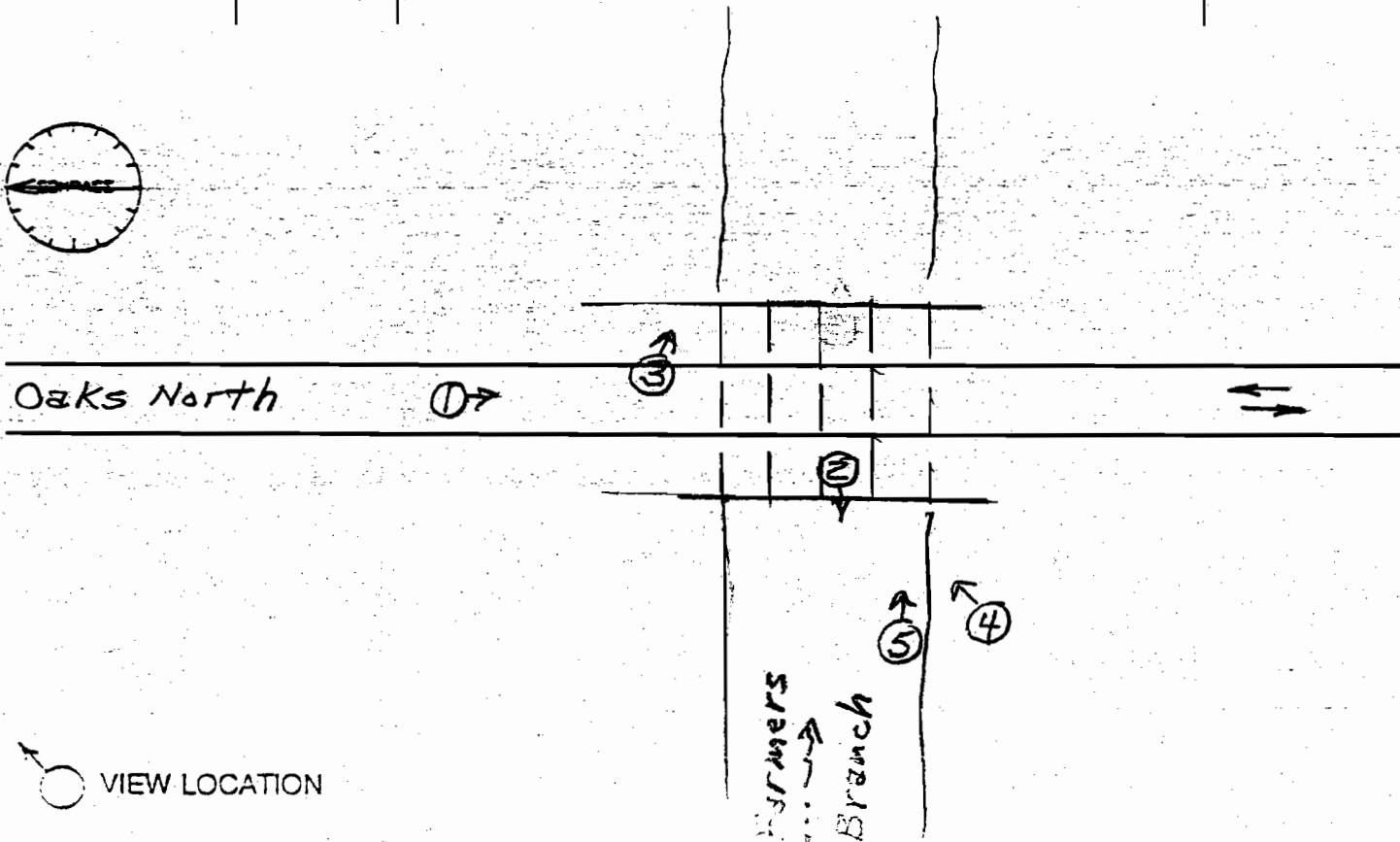
COUNTY 18-057-P00220


BRIDGE 001

ROLLS 3

PHOTOGRAPH SUMMARY SHEET

NEGATIVE NUMBER	VIEW NUMBER	CAPTION	NOTES
0	1	ROADWAY OVER BRIDGE (Looking S)	
1	2	VIEW FROM BRIDGE (Looking Up Stream)	W
2	3	VIEW FROM BRIDGE (Looking Down Stream)	SE
3	4	ELEVATION (Looking NE)	
4	5	SUPERSTRUCTURE (Looking E)	
		STREAM (Looking)	
		ROADWAY UNDER _____ (Looking)	



 VIEW LOCATION



Roadway Over Bridge
Looking South

Neg. 0 View 1



Upstream View
Looking West

Neg. 1 View 2

Date: 08/28/98

County: Dallas (057)

ID No.: P002-20-001

Route: Oaks North



Downstream View
Looking Southeast

Neg. 2 View 3



Elevation
Looking Northeast

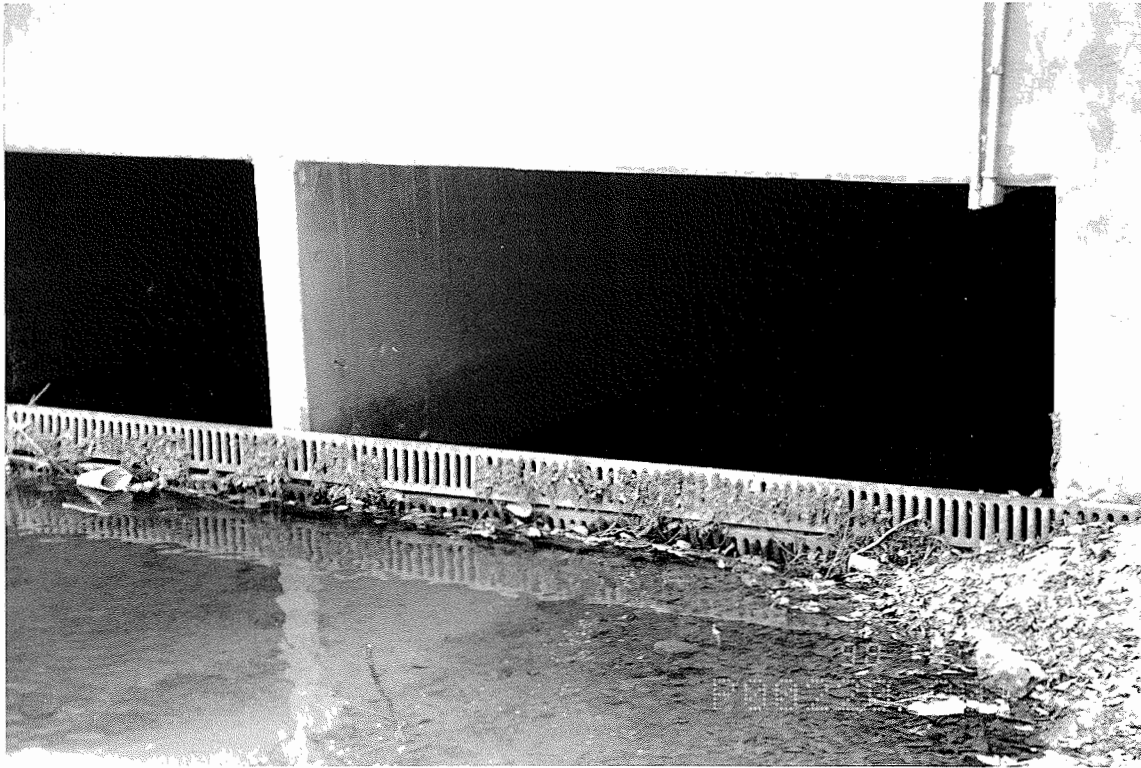
Neg. 3 View 4

Date: 08/28/98

County: Dallas (057)

ID No.: P002-20-001

Route: Oaks North



Superstructure
Looking East

Neg. 4 View 5