

United States Department of the Interior
National Park Service



NATIONAL REGISTER OF HISTORIC PLACES
Registration Form

1. NAME OF PROPERTY

HISTORIC NAME: Rector Road Bridge (amendment, relocated property)
OTHER NAME/SITE NUMBER: Rector Road Bridge at Clear Creek

2. LOCATION

STREET & NUMBER: 7501 Teasley Lane
CITY OR TOWN: Denton
STATE: Texas CODE: TX COUNTY: Denton
 NOT FOR PUBLICATION
 VICINITY
CODE: 121 ZIP CODE: 76210

3. STATE/FEDERAL AGENCY CERTIFICATION

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this nomination request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property meets does not meet the National Register criteria. I recommend that this property be considered significant nationally statewide locally. (See continuation sheet for additional comments.)

Mark Wolfe
Signature of certifying official / Title State Historic Preservation Officer Date 12/19/11
Texas Historical Commission
State or Federal agency / bureau or Tribal Government

In my opinion, the property meets does not meet the National Register criteria. (See continuation sheet for additional comments.)

Signature of commenting or other official Date
State or Federal agency / bureau or Tribal Government

4. NATIONAL PARK SERVICE CERTIFICATION

I hereby certify that the property is:

- entered in the National Register See continuation sheet.
- determined eligible for the National Register See continuation sheet.
- determined not eligible for the National Register.
- removed from the National Register See continuation sheet.
- other, explain See continuation sheet.

[Signature]
Signature of the Keeper Date of Action
Edson H. Beall
2-3-12

Additional Documentation Approved

5. CLASSIFICATION

OWNERSHIP OF PROPERTY

	private
X	public - Local
	public - State
	public - Federal

CATEGORY OF PROPERTY

	building(s)
	district
	site
X	structure
	object

NUMBER OF RESOURCES WITHIN PROPERTY

contributing	noncontributing	
0	0	buildings
0	0	sites
1	0	structures
0	0	objects
1	0	total

NUMBER OF CONTRIBUTING RESOURCES PREVIOUSLY LISTED IN THE NATIONAL REGISTER: 1

NAME OF RELATED MULTIPLE PROPERTY LISTING: *Historic Bridges of Texas MPS*

6. FUNCTION OR USE

HISTORIC FUNCTIONS: TRANSPORTATION/Road-related (vehicular) = bridge

CURRENT FUNCTIONS: TRANSPORTATION/Road-related (pedestrian) = bridge

7. DESCRIPTION

ARCHITECTURAL CLASSIFICATION: Other: Pratt through-truss bridge

MATERIALS: FOUNDATION CONCRETE (piers and bents)
 WALLS
 ROOF
 OTHER METAL/steel (superstructure)

NARRATIVE DESCRIPTION (see page 5)

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section 7 Page 5

Rector Road Bridge (amendment, relocated property)
Denton, Denton County, Texas

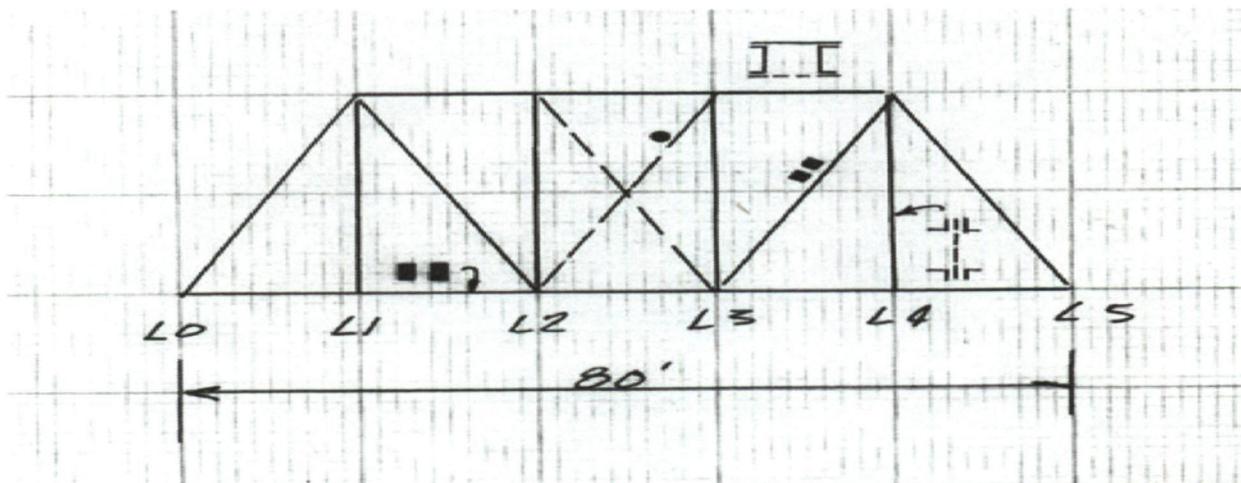
The Rector Road Bridge is a 5-panel, pinned Pratt through-truss with an I-beam approach seated on braced metal-caisson piers and abutments with metal backing. The structural members are light which would facilitate transportation from the source of fabrication to the site and make erection easy with modest equipment. When erected, it had the capacity to carry rural wagon loads, but it currently carries pedestrian traffic.

The 1908 Rector Road Bridge (formerly at Clear Creek, near Sanger) was relocated to John Guyer High School at 7501 Teasley Lane in Denton, Denton County, Texas, in April 2005.

The bridge features 3 spans (including 2 short approach spans) with a primary span length of 80 feet and a total length of 112 feet. The roadway occupies the full width of the 11.9-foot-wide deck. The endposts and top-chord members were fabricated from a pair of channels, with cover plate and battens riveted together. Two pairs of laced angles provide the verticals. A pair of eyebars supply each set of diagonals. An adjustable round rod serves as a counter-brace in one of the more-central panels. The trusses carry braced-A portal struts. Rolled-I floor-beams hang from the lower pins. Adjustable, round-rods provide the lower and the upper lateral braces. The floor-beams carry runs of I-beam stringers which, in turn, support the concrete riding surface.

The bridge was built in 1907-1908 by the Austin Brothers Company of Dallas, Texas. Denton County Commissioners Court Minutes from August 26, 1907 (Book F, 620) recorded the action of awarding the contract to Austin Brothers for the bridge, to be built 2½ miles southeast of the town of Sanger. The cost was \$1,664, with \$1,200 of the cost donated by the citizens of "Sanger and vicinity."

Figure: Cross-section of Rector Road Bridge (James E. M. Stewart, P.E., Churchville, NY). No scale.



8. STATEMENT OF SIGNIFICANCE

APPLICABLE NATIONAL REGISTER CRITERIA

<input type="checkbox"/>	A	Property is associated with events that have made a significant contribution to the broad patterns of our history.
<input type="checkbox"/>	B	Property is associated with the lives of persons significant in our past.
<input checked="" type="checkbox"/>	C	Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
<input type="checkbox"/>	D	Property has yielded, or is likely to yield information important in prehistory or history.

CRITERIA CONSIDERATIONS: B

AREAS OF SIGNIFICANCE: Engineering

PERIOD OF SIGNIFICANCE: 1907-1908

SIGNIFICANT DATES: 1907-1908

SIGNIFICANT PERSON: N/A

CULTURAL AFFILIATION: N/A

ARCHITECT/BUILDER: Austin Brothers (Dallas, Texas)

NARRATIVE STATEMENT OF SIGNIFICANCE (see page 6).

9. MAJOR BIBLIOGRAPHIC REFERENCES

BIBLIOGRAPHY (see page 7)

PREVIOUS DOCUMENTATION ON FILE (NPS):

- preliminary determination of individual listing (36 CFR 67) has been requested.
- previously listed in the National Register**
- previously determined eligible by the National Register
- designated a National Historic Landmark
- recorded by Historic American Buildings Survey #
- recorded by Historic American Engineering Record #

PRIMARY LOCATION OF ADDITIONAL DATA:

- State historic preservation office (*Texas Historical Commission*)
- Other state agency (*Texas Department of Transportation*)
- Federal agency
- Local government (*Denton County Commissioner Court minutes*)
- University
- Other -- Specify Repository:

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Continuation Sheet

Section 8 Page 6

Rector Road Bridge (amendment, relocated property)
Denton, Denton County, Texas

Statement of Significance

The 1908 Rector Road Bridge (formerly at Clear Creek, near Sanger) relocated to John Guyer High School at 7501 Teasley Lane in Denton, Denton County, Texas, is a 5-panel, pinned Pratt through-truss bridge, and serves as a rare example of its type in Denton County. Because of its structural integrity and riveted pin construction, Rector Road Bridge serves as a rare local example of a Pratt through-truss, and is nominated to the National Register of Historic Places, under Criterion C, in the area of Engineering, at the local level of significance. The property meets Criterion Consideration B because the bridge retains its character-defining features and has been relocated to an appropriate setting.

The citizens of Sanger bore the costs of erecting the Rector Road Bridge, which provided an important passage in the vicinity of Sanger, and facilitated growth and development in north Denton County. On February 19, 1908, the Rector Road Bridge was accepted by the Commissioners and they approved payment to Austin Brothers (Book G, 53-54; page 8-7,8). The total payment was for \$1,894, which included \$230 for a bridge built over the slough near the Rector Road Bridge.

Frank and George Austin were the Atlanta and Dallas agents of the George E. King Bridge Company in the 1890s. They had gotten their start in 1889 when George Austin moved to Dallas as an agent for the George E. King Bridge Co. of Des Moines, IA. The brothers started fabricating and installing steel truss bridges for counties across Texas and Georgia, and gradually expanded their expertise. The company they founded is still in operation today with over 6,000 employees, completing projects in almost every type of civil, commercial and industrial construction. More than 200 Austin Brothers-built, pre-World War II steel truss bridges are still in service on the back roads of Texas.¹ Austin Bridge Co. of Dallas was the only major Texas bridge fabricator prior to the creation of the Texas Highway Department in 1917. After working for the George E. King Bridge Co., of Des Moines, Iowa, the Austin Brothers severed their connection with George E. King Bridge Company and began to make plans to open their own bridge fabricating business. Finally, in 1910, the company purchased property in Dallas and built a small fabrication plant for bridge and building components.²

The Pratt truss, patented in 1844 by Thomas and Caleb Pratt, made the vertical members stand in compression and the diagonals in tension, a reversal of the popular construction designs of the day. Although originally constructed in wood and iron, the Pratt was quickly modified for all iron and steel construction, becoming the predominant truss type of the 19th Century. By the end of the 1880s, the Pratt design had largely replaced the tubular arch as the standard truss type for short to intermediate spans. By this time, bridge fabricators were manufacturing Pratts in a wide variety of shapes and sizes, principally in short to intermediate span lengths (30 to 150 feet). The straightforward design, considerable strength and ease of erection made the Pratt the predominant truss type for American roadways during the late 19th and early 20th centuries. The Pratt quickly gained acceptance through Texas as the preferred type for short to intermediate spans, reaching its heyday of popularity from 1895 to 1910.³ Built a few years after the organization of the Texas Highway Department at a time when rural counties opted to build economical truss bridges, the Rector Road Bridge at Clear Creek is a rare local example of what was once a common bridge type in Denton County. The bridge continues to retain a high degree of integrity after relocation in 2005 to John Guyer High School in Denton, Texas. The proposal to move the bridge was approved by the NPS in 2004.

¹ Interview with Engineer James E. M. Stewart of Churchville, NY, March 2003.

² *Ibid*, p. 21.

³ *Historic Bridges of Texas, 1866-1945*, pp. 8, 11.

10. GEOGRAPHICAL DATA

ACREAGE OF PROPERTY: less than one acre

UTM REFERENCES		<u>Zone</u>	<u>Easting</u>	<u>Northing</u>
	1.	14	677027	3668041

VERBAL BOUNDARY DESCRIPTION: The nomination encompasses the complete structure, including all of the superstructure. The bridge is located near the center of the John Guyer High School campus, at 7501 Teasley Lane in Denton, Texas.

BOUNDARY JUSTIFICATION: The boundary includes all components of the bridge superstructure and substructure.

11. FORM PREPARED BY

NAME / TITLE: Gregory Smith, based on 2003 nomination by Rynell Novak

ORGANIZATION: Texas Historical Commission

DATE: December 7, 2011

STREET & NUMBER: PO Box 12276

TELEPHONE: (512) 463-6013

CITY OR TOWN: Austin

STATE: Texas

ZIP CODE: 78711

ADDITIONAL DOCUMENTATION

CONTINUATION SHEETS

MAPS (see site plan, page 8)

PHOTOGRAPHS (see page 7)

ADDITIONAL ITEMS NA

PROPERTY OWNER

NAME: Denton Independent School District

STREET & NUMBER: 1307 N. Locust

TELEPHONE: 940-369-0000

CITY OR TOWN: Denton

STATE: Texas

ZIP CODE: 76201

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet

Sections 9, Photo Page 7

Rector Road Bridge (amendment, relocated property)
Denton, Denton County, Texas

Bibliography

Denton County Commissioners Court Minutes, Book F, 620, August 26, 1907 (page 8-6)

Denton County Commissioners Court Minutes, Book G, 53-54, February 19, 1908 (page 8-7,8)

Historic Bridges of Texas, 1866-1945

Informal Contacts with several noted bridge historians, including Dr. James Cooper, Greencastle, IN; Eric DeLony, HAER, Washington, DC; Allan King Sloan, Lexington, MA.; S. Patrick Sparks, P.E., Pflugerville, TX; and James E. M. Stewart, P.E., Churchville, NY.

Photo Log

Rector Road Bridge
7501 Teasley Lane.
Denton, Texas
Photographed October 2011 by Rachel Crowe

Photo 1
Down bridge path from east side
Camera facing southwest

Photo 2
Angled shot of bridge from east side
Camera facing west

Photo 3
Angled shot of bridge from west side
Camera facing east

Photo 4
Angled shot of bridge, east side in drainage
Camera facing northwest

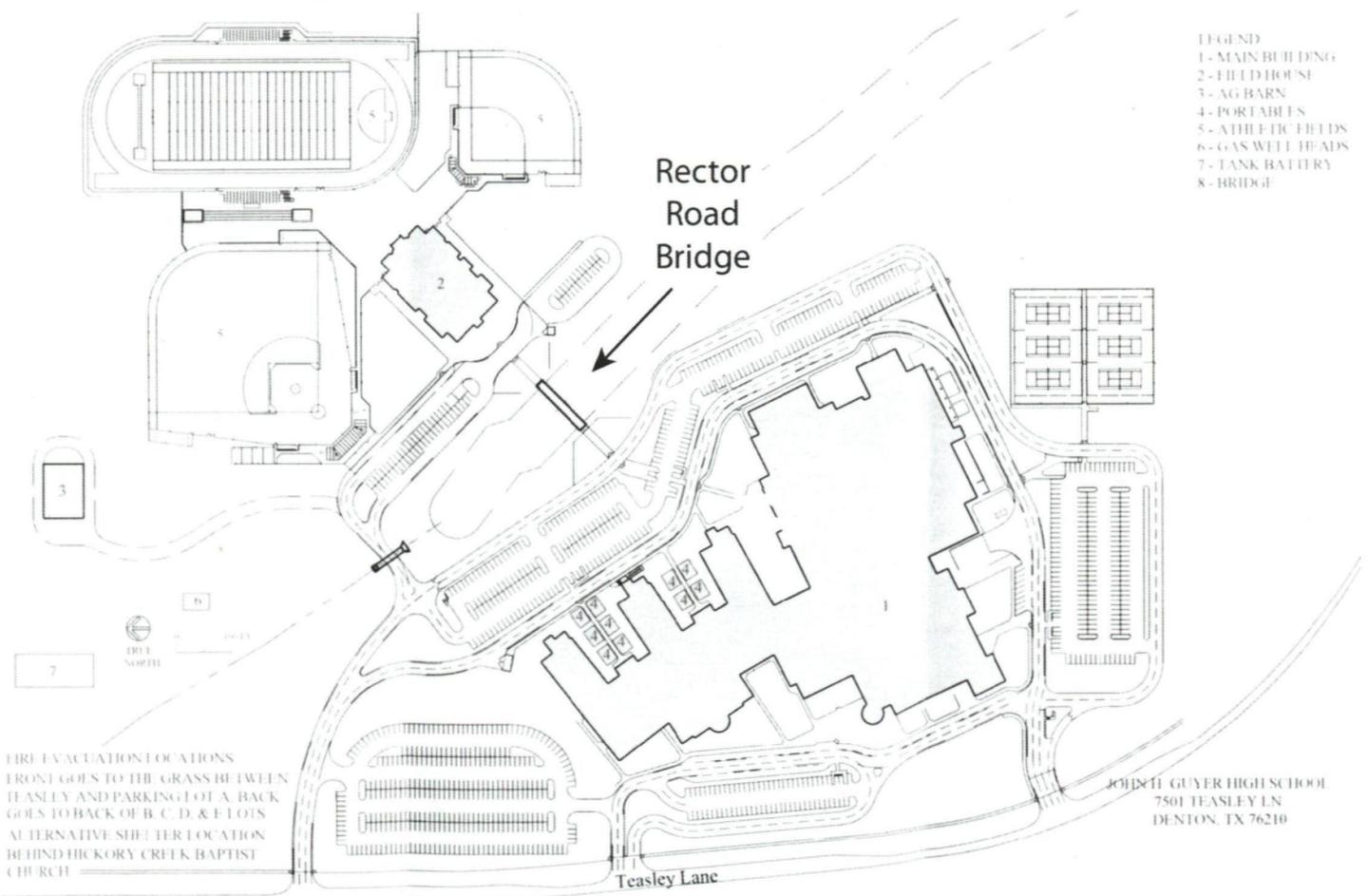
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Rector Road Bridge (amendment, relocated property)
Denton, Denton County, Texas

Sections Plan Page 8

Current site plan, indicating location of Rector Road Bridge
No Scale



UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: ADDITIONAL DOCUMENTATION

PROPERTY Rector Road Bridge
NAME:

MULTIPLE Historic Bridges of Texas MPS
NAME:

STATE & COUNTY: TEXAS, Denton

DATE RECEIVED: 12/23/11 DATE OF PENDING LIST:
DATE OF 16TH DAY: DATE OF 45TH DAY: 2/07/12
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 03001418

REASONS FOR REVIEW:

APPEAL: N DATA PROBLEM: N LANDSCAPE: N LESS THAN 50 YEARS: N
OTHER: N PDIL: N PERIOD: N PROGRAM UNAPPROVED: N
REQUEST: N SAMPLE: N SLR DRAFT: N NATIONAL: N

COMMENT WAIVER: N

ACCEPT RETURN REJECT 2-3-12 DATE

ABSTRACT/SUMMARY COMMENTS:

Entered in
The National Register
of
Historic Places

Additional Documentation Approved

RECOM./CRITERIA Accept

REVIEWER E Beall DISCIPLINE _____

TELEPHONE _____ DATE _____

DOCUMENTATION see attached comments Y/N see attached SLR Y/N

If a nomination is returned to the nominating authority, the nomination is no longer under consideration by the NPS.

TEXAS HISTORICAL COMMISSION

real places telling real stories



TO: Linda McClelland
National Park Service
National Register of Historic Places
1201 Eye Street, NW (2280)
Washington , DC 20005

FROM: Gregory Smith
Texas Historical Commission

RE: Rector Road Bridge (amendment, relocated property), Denton County, Texas

DATE: December 19, 2011

- The following materials regarding the Rector Road Bridge are submitted:

<input checked="" type="checkbox"/>	Original National Register of Historic Places form – AMENDED NOMINATION
<input type="checkbox"/>	Resubmitted nomination
<input type="checkbox"/>	Multiple Property Documentation form
<input type="checkbox"/>	_ Resubmitted form
<input checked="" type="checkbox"/>	Photographs printed from digital files
<input checked="" type="checkbox"/>	Gold CD with TIFF photograph files
<input type="checkbox"/>	Photographs printed from negatives
<input checked="" type="checkbox"/>	USGS map
<input type="checkbox"/>	Correspondence
<input type="checkbox"/>	Other:

COMMENTS:

- ___ SHPO requests substantive review (cover letter from SHPO attached)
- ___ The enclosed owner objections (do___) (do not___) constitute a majority of property owners
- ___ Other:





Rector Road Bridge - Relocated
Denton, Denton Co. TX
Photo 1



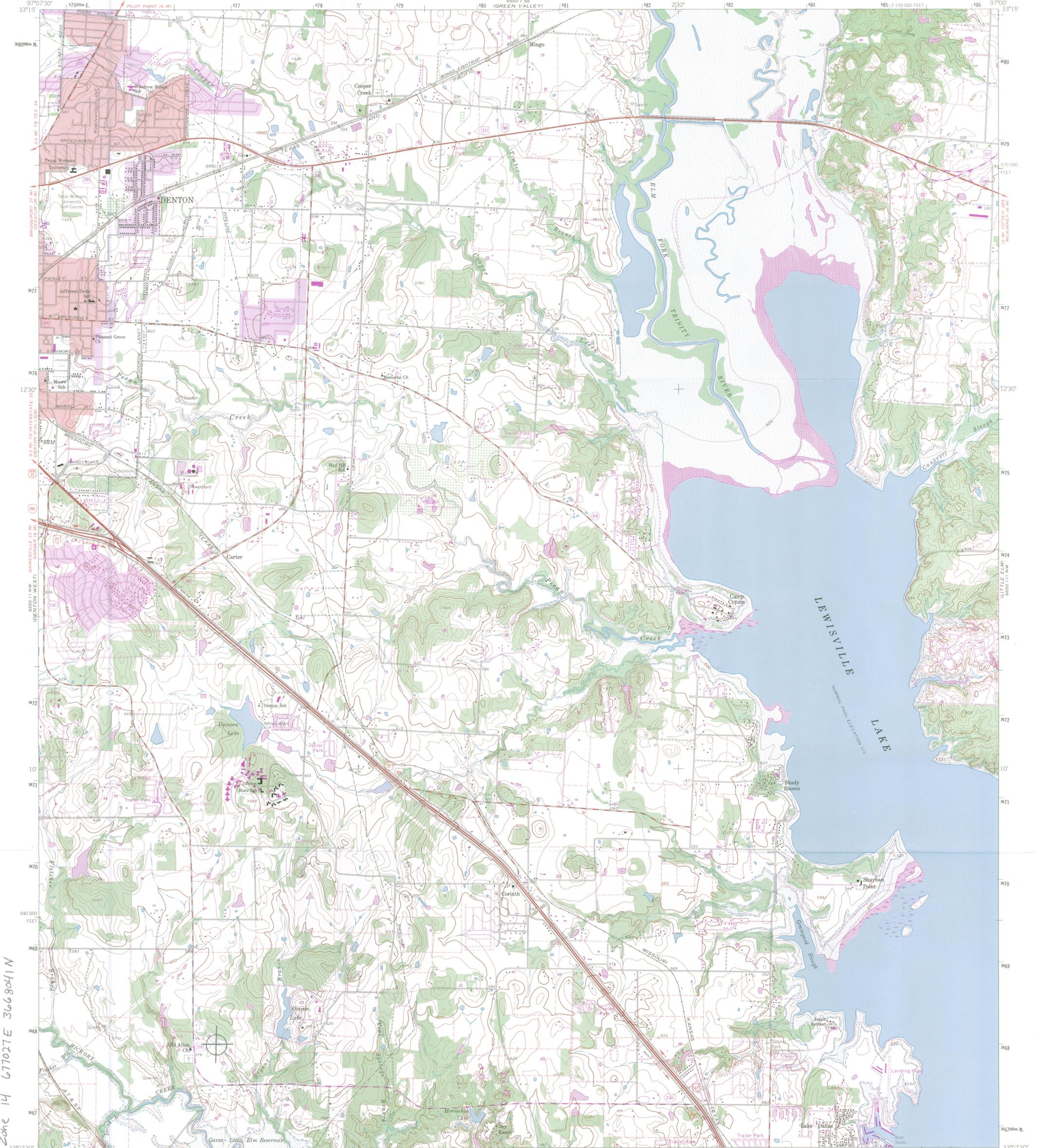
Rector Road Bridge - Relocated
Denton, Denton Co. TX
photo 2



Rector Road Bridge - Relocated
Denton, Denton Co. TX
photo 3



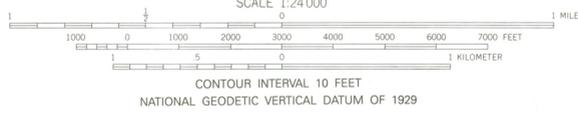
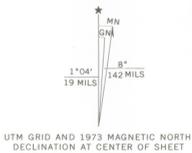
Rector Road Bridge- Relocated
Denton, Denton Co. TX
Photo 4



Rebe Road Bridge (Relocated)
Denton, Denton Co., TX
Zone 14 677027E 3668041N

Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs
Aerial photographs taken 1957. Field checked 1960
Polyconic projection. 1927 North American Datum
10,000-foot grid based on Texas coordinate system,
north central zone
1000-meter Universal Transverse Mercator grid ticks, zone 14,
shown in blue
The difference between 1927 North American Datum and North
American Datum of 1983 (NAD 83) for 7.5 minute intersections is
given in USGS Bulletin 1875. The NAD 83 is shown by dashed
corner ticks
Fine red dashed lines indicate selected fence and field lines
where generally visible on aerial photographs
This information is unchecked
Red tint indicates areas in which only landmark buildings
are shown

Revisions shown in purple compiled from aerial photographs
taken 1968 and 1973. This information not field checked
Purple tint indicates extension of urban areas
Areas covered by dashed light-blue pattern are subject to
controlled inundation to 532 feet



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



3397-114
Map photocopied 1978
No major culture or drainage changes observed

ROAD CLASSIFICATION

Heavy-duty	Light-duty
Medium-duty	Unimproved dirt
Interstate Route	U.S. Route
	State Route

DENTON EAST, TEX.
33097-B1-TF-024
PHOTOINSPECTED 1978
1960
PHOTOREVISED 1968 AND 1973
DMA 6550 II NE-SERIES V882



**TEXAS
HISTORICAL
COMMISSION**

Rick Perry • *Governor*
John L. Nau, III • *Chairman*
F. Lawrence Oaks • *Executive Director*

The State Agency for Historic Preservation



TO: Carol Shull, Keeper
National Register of Historic Places

FROM: Gregory W. Smith, National Register Coordinator
Texas Historical Commission

RE: Rector Road Bridge, Sanger vicinity, Denton County, Texas (Proposal to Move)

DATE: May 21, 2004

The following materials are submitted regarding: Rector Road Bridge, Denton County, Texas

___	Original National Register of Historic Places form
___	Resubmitted nomination
___	Multiple Property nomination form
___	Photographs
___	USGS map
___	Correspondence
<u>X</u>	Other: PROPOSAL TO RELOCATE LISTED STRUCTURE

COMMENTS:

___ Substantive review requested

___ The enclosed owner objections (do___) (do not___) constitute a majority of property owners

___ Other _____



TEXAS
HISTORICAL
COMMISSION

The State Agency for Historic Preservation

RICK PERRY, GOVERNOR

JOHN L. NAU, III, CHAIRMAN

F. LAWRENCE OAKS, EXECUTIVE DIRECTOR

May 21, 2004

Ms. Carol Shull
Keeper, National Register of Historic Places
National Park Service
1201 Eye Street N.W. 8th Floor
Washington, DC 20005

RE: Rector Road Bridge, Sanger vicinity, Denton County, Texas (Proposal to Move)

Dear Ms. Shull:

Enclosed is a report outlining a proposal to move a building listed in the National Register of Historic Places (Rector Road Bridge, Sanger vicinity, Denton County, Texas; NR listed January 14, 2004).

This documentation was submitted by Rynell Novak, Ph.D., to fulfill the requirements of the National Historic Preservation Act regarding the relocation of properties listed in the National Register of Historic Places [36 CFR 60.14 (b)]. The bridge is owned by the county and is slated to be replaced by the Texas Department of Transportation (TexDOT) because it is structurally deficient and no longer meets safety standards. The county plans to donate the bridge to the Denton Independent School District (ISD). On January 17, 2004, the Texas State Board of Review approved the moving of the Rector Road Bridge approximately 16.7 miles south, to the site of the John H. Guyer High School (under construction) at 7501 Teasley Road, on the south side of Denton, Texas.

There are no known historic properties (including archeological sites) at the proposed relocation site. Attached is a letter from Nita Thurman, Chair of the Archeology Committee of Denton County Historical Commission, attesting to the lack of such sites. The project is subject to Review under Section 106 of the National Historic Preservation Act. TexDOT will initiate review this summer; discovery of archeological deposits in the project area after work commences would require further review by the Texas Historical Commission.

Please review the enclosed documents and determine if the bridge would retain enough integrity to remain listed in the National Register of Historic Places if it were to be relocated as proposed. If you have any questions or comments, you may contact National Register Coordinator Gregory Smith at (512) 452-4433 or greg.smith@thc.state.tx.us. Thank you very much for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "F. Lawrence Oaks", written over a white background.

F. Lawrence Oaks
Executive Director

Rector Road Bridge at Clear Creek (Proposal to Move)
Approximately 2.5 miles SE of Sanger
Sanger vicinity, Denton County, Texas 76266

PREPARED BY

Rynell Novak, Ph.D.
For the Denton County Historical Commission
110 W. Hickory
Denton, Texas 76201

PROPERTY OWNER

Current:

Denton County (Commissioners Court)
110 W. Hickory
Denton, Texas 76201

After proposed transfer of ownership:

Denton Independent School District
1307 N. Locust
Denton, Texas 76201

Revised May 21, 2004

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet



Section Figure Page 2

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

Applicable federal regulations regarding the relocation of properties listed in the NRHP

36 CFR PART 60 (NATIONAL REGISTER OF HISTORIC PLACES)
s 60.14 (b) Relocating properties listed in the National Register.

(1) Properties listed in the National Register should be moved only when there is no feasible alternative for preservation. When a property is moved, every effort should be made to reestablish its historic orientation, immediate setting, and general environment.

(2) If it is proposed that a property listed in the National Register be moved and the State Historic Preservation Officer, Federal agency for a property under Federal ownership or control, or person or local government where there is no approved State Historic Preservation Program, wishes the property to remain in the National Register during and after the move, the State Historic Preservation Officer or Federal Preservation Officer having ownership or control or person or local government where there is no approved State Historic Preservation Program, shall submit documentation to NPS prior to the move. The documentation shall discuss:

- (i) The reasons for the move;
- (ii) The effect on the property's historical integrity;
- (iii) The new setting and general environment of the proposed site, including evidence that the proposed site does not possess historical or archeological significance that would be adversely affected by the intrusion of the property; and
- (iv) Photographs showing the proposed location.

Proposal to Relocate the Rector Road Bridge at Clear Creek, Denton County, Texas (NR 2004)

Denton County, Texas, is committed to saving its historic bridges. Through the work of the Denton County Commissioners Court, the Denton County Historical Commission, including Mrs. Mildred Hawk, Chairman of the Historic Bridges and Structures Committee of the DCHC, and other interested citizens, historic truss bridges throughout the county are being saved in place whenever possible, or relocated to other sites within the county where they can be preserved and used for pedestrian and/or equestrian traffic.

Through the efforts of individuals and the actions of the Commissioners Court, interested parties have been identified to receive the bridges. The actions of the Commissioners Court included letters from County Judge Mary Horn to the cities and school districts within the county, asking about their interest in acquiring one of the bridges for their use.

The Denton Independent School District (DISD) is in the process of building a third high school (the John H. Guyer High School) at 7501 Teasley Lane in south Denton. The site has approximately 80 acres of land, including a section through the middle of the site that is an Environmentally Sensitive Area (E.S.A.). In coordination with FEMA, it was determined that the ESA could be spanned by a bridge, and the DISD expressed an interest in relocating a historic bridge to the property. The Rector Road Bridge is of sufficient size to serve as a pedestrian bridge connecting two sections of the campus.

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section Figure Page 3

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

When the Rector Road bridge is relocated, it will be less than a mile from the Old Alton Bridge (NR 1988), preserved in place as part of a pedestrian/equestrian trail. The DCHC will likely develop a trail to encourage the public to see the two historic bridges, as well as the site of Old Alton which served as the Denton County seat from 1850-1857.

Documentation addressing 36 CFR PART 60.14 (b)

(i) Reasons for the move

The Pratt through truss bridge on Rector Road over Clear Creek, just southeast of the town of Sanger, is slated to be removed because it is structurally deficient and no longer meets Texas Department of Transportation (TxDOT) standards. TxDOT will be remove the bridge, and replace it with a bridge meeting current standards for road carrying vehicular traffic. The historic bridge will be able to meet the needs of the school district as a pedestrian bridge.

(ii) Effect on the property's historical integrity

The entire Pratt through-truss will be moved, and thus the bridge will retain integrity of materials, design, and workmanship, each aspect of integrity being essential for the bridge to retain its significance under Criterion C, in the area of Engineering, as a rare local example of a Pratt through-truss bridge (one of only two remaining in Denton County). The bridge will span a small creek. Mr. Curtis Martin, Director of Construction, reports that the setting will be much like the original location on Rector Road when the bridge is moved. The bridge will serve, however, not as part of a local road, but as a pedestrian walkway for the students to move from the academic area of the property to the athletic areas (see plan).

(iii) Evidence that the proposed site does not possess historical or archeological significance that would be adversely affected by the intrusion of the property

The new setting carries no historical significance, and it has been determined that relocating the bridge will have no adverse archeological impact on the area. (See Attachment 2)

(iv) Photographs showing the proposed location

Photo 1 - Artist's Conception of Guyer High School Site (facing east). Note: ESA will not be cleared as depicted here

Photo 2 - View from academic area toward athletic area (facing northeast). Bridge will be in area staked with ribbons going from left center to right

Photo 3 - View from academic area toward athletic area (facing east). Bridge will be placed to left of row of hay bales; note trees on right which will be retained; dirt across span will be moved to base of bridge after relocation

Photo 4 - View from athletic area toward academic buildings (facing southwest). Bridge will be to right of hay bales, between posts with colored ribbons

Photo 5 - View from athletic area toward academic area (facing southwest).

Photo 6 - View from athletic area toward academic area (facing west); showing ESA extending to right of bridge area

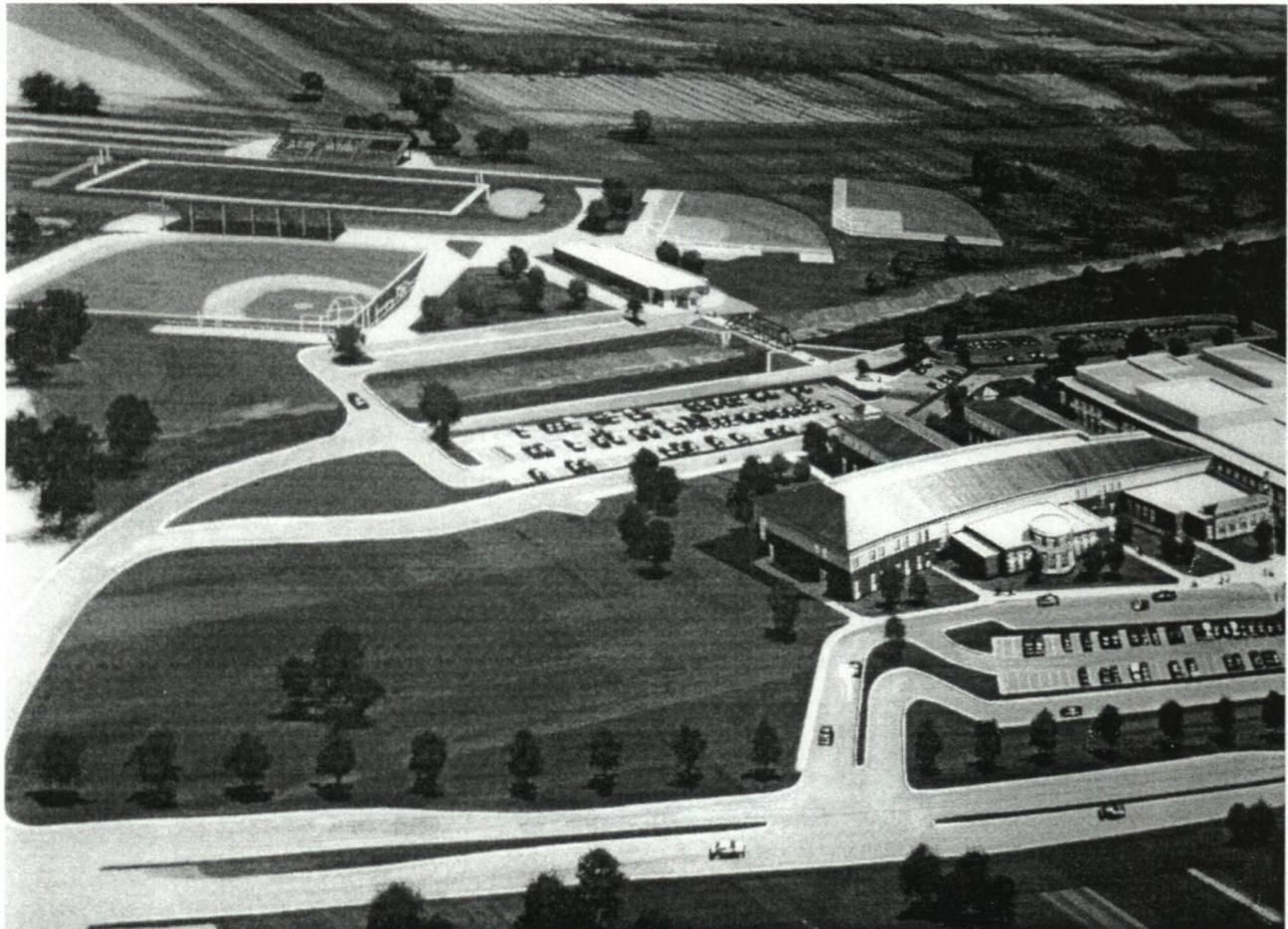
United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section Figure Page 4

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

Photo 1 - Artist's Conception of Guyer High School Site. NOTE: ESA will not be cleared as depicted here



United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section Figure Page 5

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

Photo 2 - View from academic area toward athletic area - bridge will be in area staked with red/white/blue ribbons going from left center to right; bridge will be over area where tall tree in center is now located



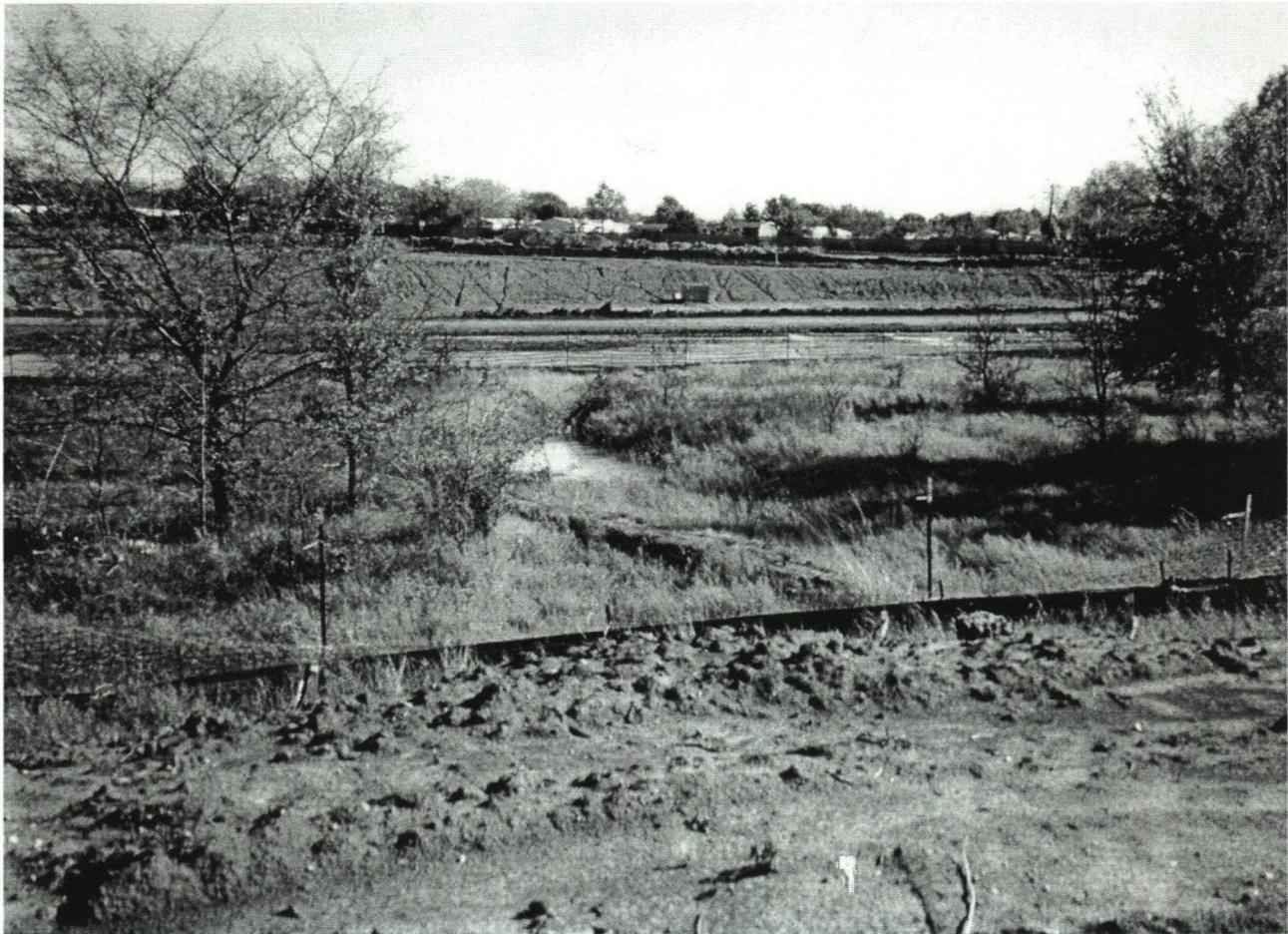
United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section Figure Page 6

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

Photo 3 - View from academic area toward athletic area - bridge will be placed to left of row of hay bales; note trees on right which will be retained; dirt across span will be moved to base of bridge after relocation



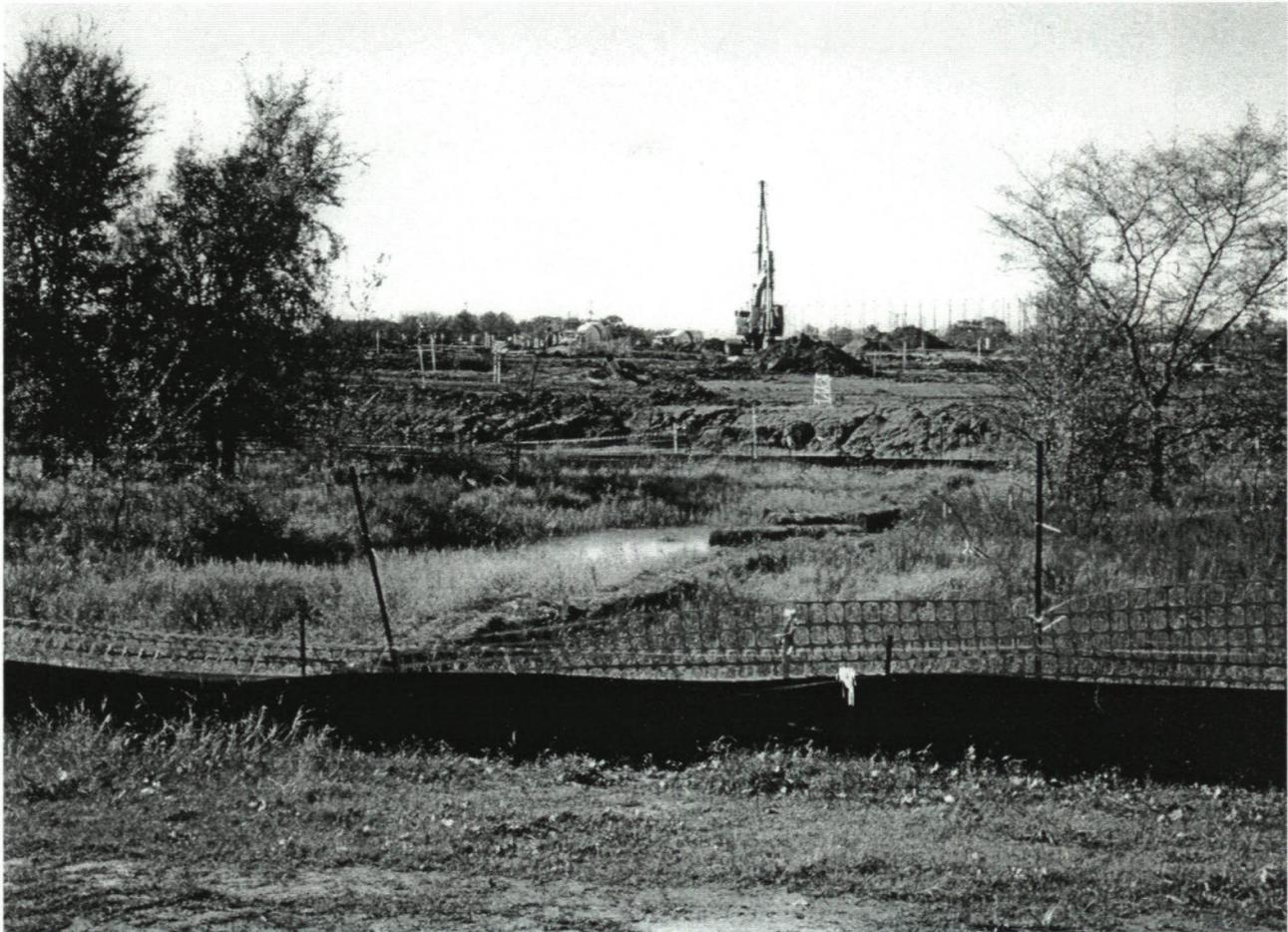
United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section Figure Page 7

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

Photo 4 - View from athletic area toward academic buildings - bridge will be to right of hay bales, between posts with colored ribbons



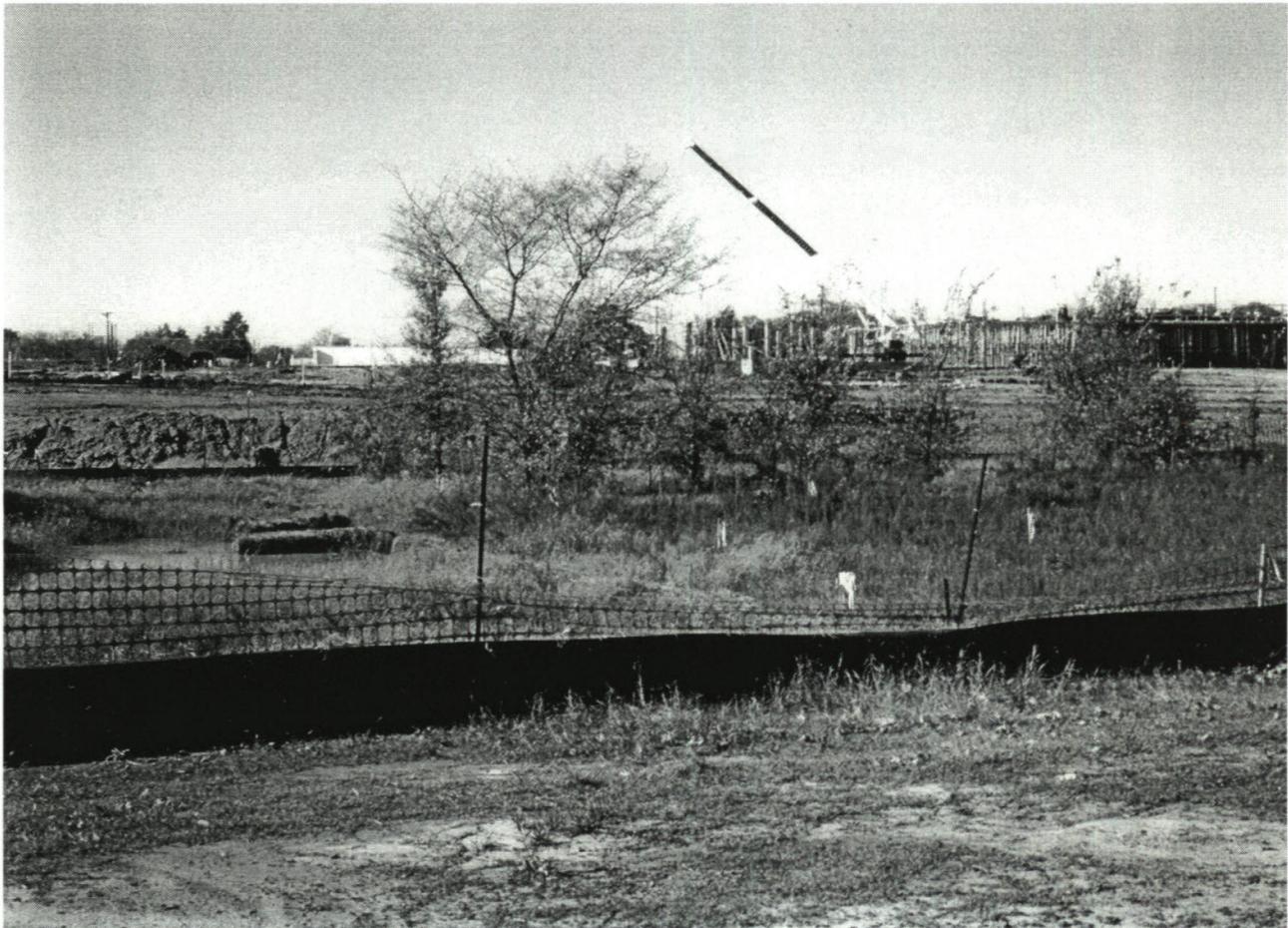
United States Department of the Interior
National Park Service

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Section Figure Page 8

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

Photo 5 - View from athletic area toward academic area - better view of area where bridge is to be located



United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section Figure Page 9

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

Photo 6 - View from athletic area toward academic area – showing ESA extending to right of bridge area



United States Department of the Interior
National Park Service

National Register of Historic Places

Continuation Sheet

Section Attachments Page 10

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

ATTACHMENTS:

Attachment 1 - Bridge Summary Sheet, TxDOT (four pages)

Attachment 2 - Archeological Impact Statement

Attachment 3 - Site Plan L2.01, Construction Layout, Teasley Lane High School, DISD

Attachment 4 - Site Plan L2.05, Planting Plan, Teasley Lane High School, DISD

BRIDGE SUMMARY SHEET

Bridge I.D.: 18-061-AA0165-001
 Facility: Rector Rd
 Feature X'ed: Clear Creek
 Bridge Owner: 02



Company Name: Edwards & Kelcey Signature: *Steven E. Lewis* Date: 7-24-01

Selected Component Description and Rating: Inspection Date: 07/02/01	Inspection Rating		Inventory Rating		Operating Rating	
Steel Stringer	6	1085	16.5	HS	23.9	HS
Floorbeam	6		4.4	3.9	8.5	7.6
Truss 1st Diagonal	4		4.6	3.0	10.4	6.7

Comments and/or Upgrade Recommendations (if applicable):

Repair damaged vertical L3-U3 of east truss. Add rubble riprap to south channel bank to control erosion.

For upgrade: for temporary upgrade, replace concrete deck with timber planks and runners to reduce dead load. It would not be feasible to upgrade the bridge any further than this. Replacement recommended.

Load Posting Limits for Present Condition (if applicable):

Inventory		Operating		Load Posting Limits					
10,000	lbs Gross		lbs Gross	1	2	3	4	5	6
5000	lbs Tandem Axle		lbs Tandem Axle						
4	Sign Code		lbs Axle or Tandem						
			Sign Code						

Posting Recommendation: MAINTAIN CURRENT LOAD POSTING

Previous Load Posting Recommendations:

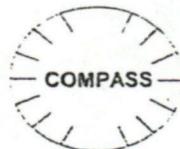
	R12-2Tb	None
	R12-2Tc	10,000 lbs Gross
X	R12-4Tb	lbs Tandem Axle
	R12-4Tc	5000 lbs Axle or Tandem

Observed Load Posting at Bridge:

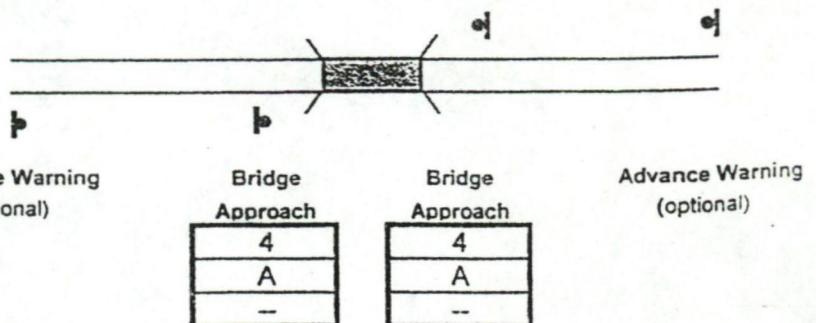
	R12-2Tb	None
	R12-2Tc	10,000 lbs Gross
X	R12-4Tb	lbs Tandem Axle
	R12-4Tc	5000 lbs Axle or Tandem
Other (desc):		

Material Needed

- R12-2Tb
- R12-2Tc
- R12-4Tb
- R12-4Tc
- W12-5
- Posts
- Hardware Sets
- Decals



Sign Code
Condition Rating
Maintenance



- | | | | | |
|---------------------------|--------------------------|------------------------|---------------------------|------------------------|
| A. Visible & Legible | D. Improper Position | G. Sign Missing | K. Clean Sign | N. None |
| B. Obscured by Vegetation | E. Damaged Beyond Repair | H. Sign & Post Missing | L. Reposition Sign | P. Replace Sign |
| C. Sign Needs Cleaning | F. Sign Down | J. Clear Vegetation | M. Reposition Sign & Post | S. Replace Sign & Post |

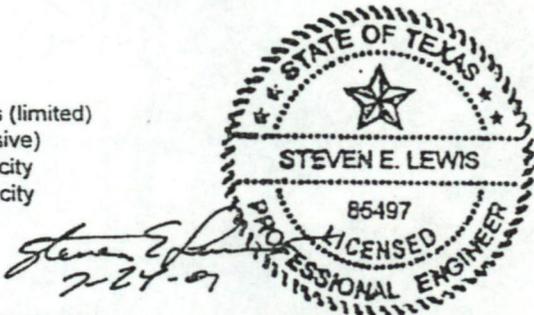
Bridge Inspection Record

District 18 County 061 Cont-Sec AA0165 Structure 001 Route Rector Rd

Description 3 SPAN (2-CONTINUOUS STEEL STRINGERS, 1 PART THROUGH TRUSS) ON STEEL SUBSTRUCTURE

Inspector's signature Steven Lewis Date 2-Jul-01

- 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	Min.	Superstructure (Item 59)	Rating
1	Deck - Rating	6	0	Main Members - Steel	4
			0	Main Members - Concrete	N
			0	Main Members - Timber	N
6	Wearing Surface	6	0	Main Members - Connections	6
6	Joints, expansion, Open	N	1	Floor System Members	6
6	Joints, expansion, Sealed	N	1	Floor System Connections	6
6	Joints, Other	N	5	Secondary Members	6
6	Drainage System	8	5	Secondary Members Connections	6
6	Curbs, Sidewalks & Parapets	N	6	Expansion Bearings	N
6	Median Barrier	N	6	Fixed Bearings	6
6	Railings	8	6	Steel Protective Coating	6
7	Railings Protective Coating	7	6	Other	N
7	Delineations (curve markers)	N			
	Other	N		Component Rating	4

Comments:

- 1 Deck surface has map cracking and moderate scaling.
- 2 Bridge rail has minor surface rust.

Comments:

- 1 Moderate impact damage in lower chord of west truss L0-L5. Moderate distortion on lower chord of east truss L2-L3 & L4-L5. Minor impact damage to vertical L3-U3 of west truss and L2-U2. U1-L2 of east truss. Severe impact damage and minor tear in vertical L3-U3 of east truss (see photo).
- 2 All steel elements have moderate rust (up to 10% loss).
- 3 Floorbeams have up to 3/4" dead load sag.

Min.	Substructure (Item 60)	Rating
0	Abutment Caps	6
0	Above Ground	6
0	Below Ground or Foundation	6
5	Backwalls & Wingwalls	6
0	Intermediates Supports	
	Caps - Concrete	N
	Caps - Steel	6
	Caps - Timber	N
	Above Ground - Concrete	N
	Above Ground - Steel	6
	Above Ground - Timber	N
	Above Ground - Masonry	N
	Below Ground or Foundation	8
5	Collision Protection System	N
6	Steel Protective Coating	6
	Component Rating	6

Comments:

1 South abutment cap has 1" dead load sag.

2 South abutment piles have been exposed (3) and backwall is being undermined.

3 All steel elements have moderate rust (up to 10% loss).

Min.	Channel (Item 61)	Rating
0	Channel Banks	4
0	Channel Bed	6
5	Rip Rap, Toe Walls & Aprons	N
5	Dikes	N
5	Jetties	N
	Other	N
	Component Rating	4

Comments:

1 South channel bank has moderate erosion exposing 3' of abutment piles and undermining backwall.

Min.	Culverts (Item 62)	Rating
0	Top slabs	N
0	Bottom Slab Or Footings	N
0	Abutments & Intermediate Supports	N
5	Headwalls & Wingwalls	N
	Other	N
	Component Rating	N

Comments



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

Comments

1 Southeast and southwest embankments have moderate erosion.

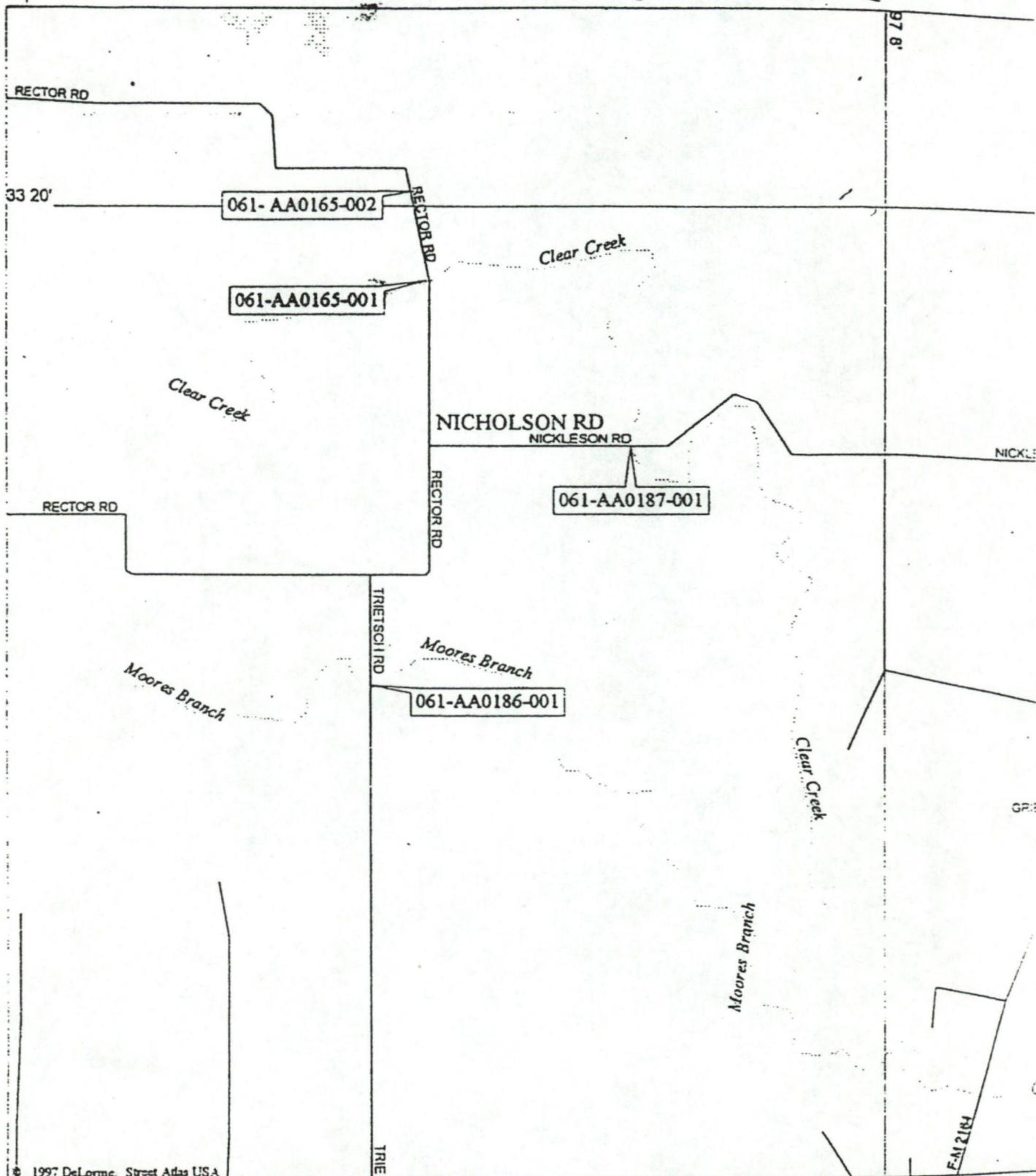
2 Horizontal alignment limits sight distance.

Min.	Miscellaneous	Rating
7	Signs	8
7	Illumination	N
7	Warning Devices	N
7	Utility Lines	8
	Other	N

Comments

10,000 lb gross, 5000 lb axle or tandem load posting.

Denton County, Texas

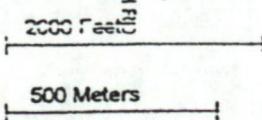


© 1997 DeLorme, Street Atlas USA

Mag 14.00

Min Aug 24 16 37 1996

Scale 1:18,750 (at center)



-  Local Road
-  State Route
-  Water

2752	2753	2754	2755	2760
2754	2755	2756	2757	2760
Denton				
2054	2055	2060		



Denton County Historical Commission

Dec. 5, 2003

Texas Historical Commission
Mr. Gregory Smith
P.O. Box 12276
Austin, TX 78711-2276

RE: Relocation of Rector Road Bridge

Dear Mr. Smith:

At the request of the Texas Historical Commission and Denton County Historical Commission, I have surveyed the site along Farm-to-Market 2181, also known as Teasley Lane, where one of Denton County's historic iron bridges is being relocated. The bridge is currently at Rector Road and Clear Creek and is being considered for recognition on the National Register of Historic Places.

The new location will be the campus of a new public high school now under construction by the Denton Independent School District. The site where the bridge will be placed is in an environmentally sensitive area that includes a small creek, and possibly a spring, which the bridge will span. There is no known archeological site or historic site within this specific area that would be damaged by placement of the bridge.

However, because the site is located in a geographical area that was one of the early settlements of Denton County, the creek and/or spring could have been a source of water for early settlers and there is the possibility that artifacts might be turned up when the bridge is installed. We would urge the contractor who installs the bridge to notify the Denton County Historical Commission should any such artifacts be found.

Sincerely,

Nita Thurman
Chairman, Archeology Committee
Denton County Historical Commission

cc: Curtis Martin, Director of Construction, Denton Independent School District
Dr. Howard Smith, Chairman, DCHC
Mrs. Mildred Hawk, Chairman, Historic Bridges and Structures Committee, DCHC



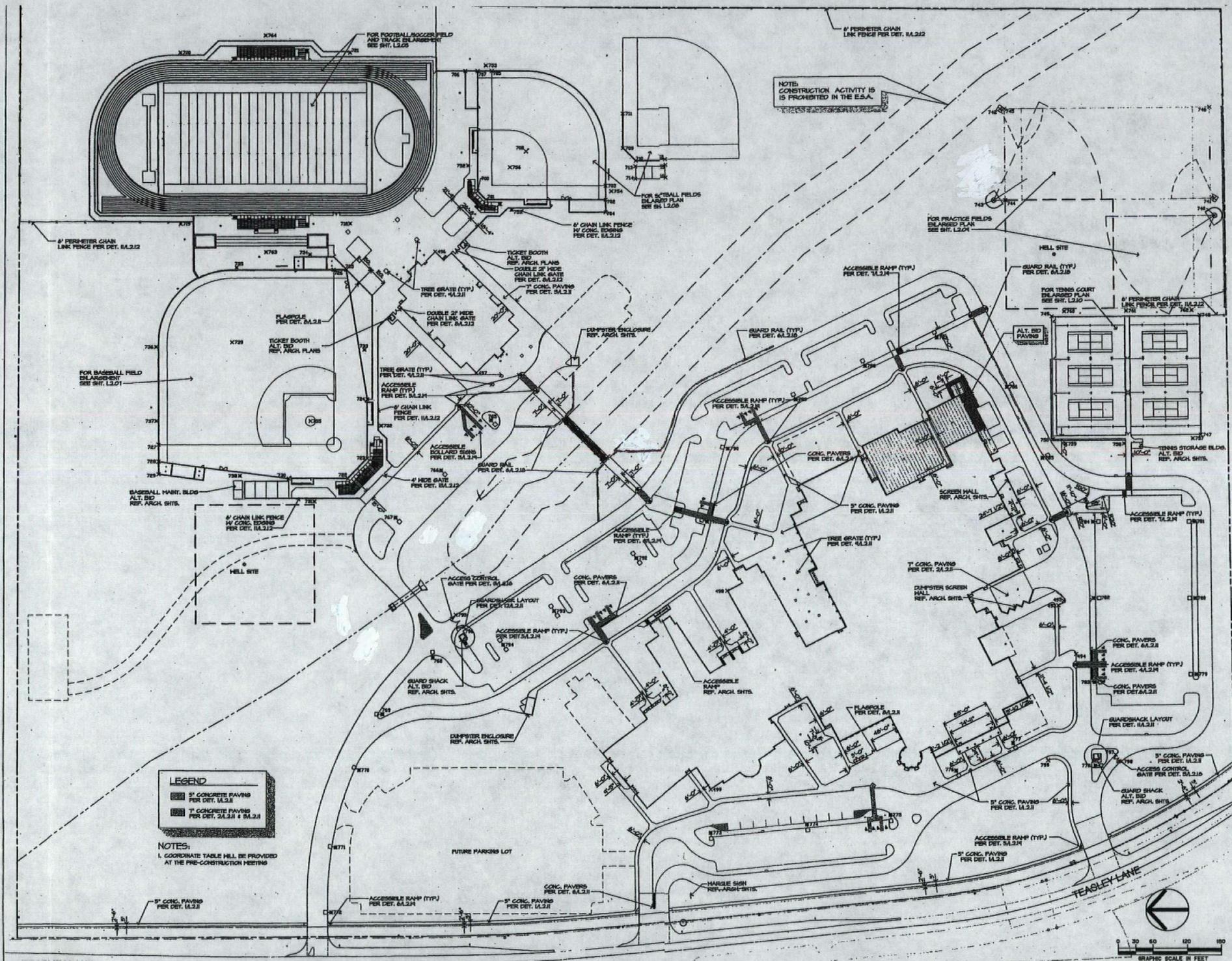
TEASLEY LANE HIGH SCHOOL
DENTON INDEPENDENT SCHOOL DISTRICT
DENTON, TEXAS

DIRECTOR: FROLARK
LGV: RHD
DESIGNER: CMD
DRAWN BY: HLP

SHEET TITLE:
CONSTRUCTION LAYOUT
ISSUE DATE:
8-28-2008
REVISIONS:

PROJECT NO.
2222.01
SHEET NO.

OF SHEETS: **L2.01**



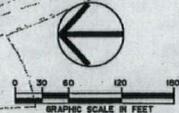
NOTE:
CONSTRUCTION ACTIVITY IS
PROHIBITED IN THE E.S.A.

LEGEND

5" CONCRETE PAVING
PER DET. M.2.1

7" CONCRETE PAVING
PER DET. 2A.2.1 & M.2.1

NOTES:
1. COORDINATE TABLE WILL BE PROVIDED
AT THE PRE-CONSTRUCTION MEETING



TEASLEY LANE

100
100

100
100

100

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY NAME: Rector Road Bridge at Clear Creek

MULTIPLE NAME: Historic Bridges of Texas MPS

STATE & COUNTY: TEXAS, ~~Cameron~~ Denton

DATE RECEIVED: 12/04/03 DATE OF PENDING LIST: 12/16/03
DATE OF 16TH DAY: 1/01/04 DATE OF 45TH DAY: 1/17/04
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 03001418

REASONS FOR REVIEW:

APPEAL: N DATA PROBLEM: N LANDSCAPE: N LESS THAN 50 YEARS: N
OTHER: N PDIL: N PERIOD: N PROGRAM UNAPPROVED: N
REQUEST: N SAMPLE: N SLR DRAFT: N NATIONAL: N

COMMENT WAIVER: N

ACCEPT RETURN REJECT 1/14/04 DATE

ABSTRACT/SUMMARY COMMENTS:

**Entered in the
National Register**

RECOM./CRITERIA _____

REVIEWER _____ DISCIPLINE _____

TELEPHONE _____ DATE _____

DOCUMENTATION see attached comments Y/N see attached SLR Y/N

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: PROPOSED MOVE

PROPERTY NAME: Rector Road Bridge at Clear Creek

MULTIPLE NAME: Historic Bridges of Texas MPS

STATE & COUNTY: TEXAS, ~~Cameron~~ Denton

DATE RECEIVED: 6/14/04 DATE OF PENDING LIST:
DATE OF 16TH DAY: DATE OF 45TH DAY: 7/28/04
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 03001418

REASONS FOR REVIEW:

APPEAL: N DATA PROBLEM: N LANDSCAPE: N LESS THAN 50 YEARS: N
OTHER: N PDIL: N PERIOD: N PROGRAM UNAPPROVED: N
REQUEST: N SAMPLE: N SLR DRAFT: N NATIONAL: N

COMMENT WAIVER: N

___ ACCEPT ___ RETURN ___ REJECT _____ DATE

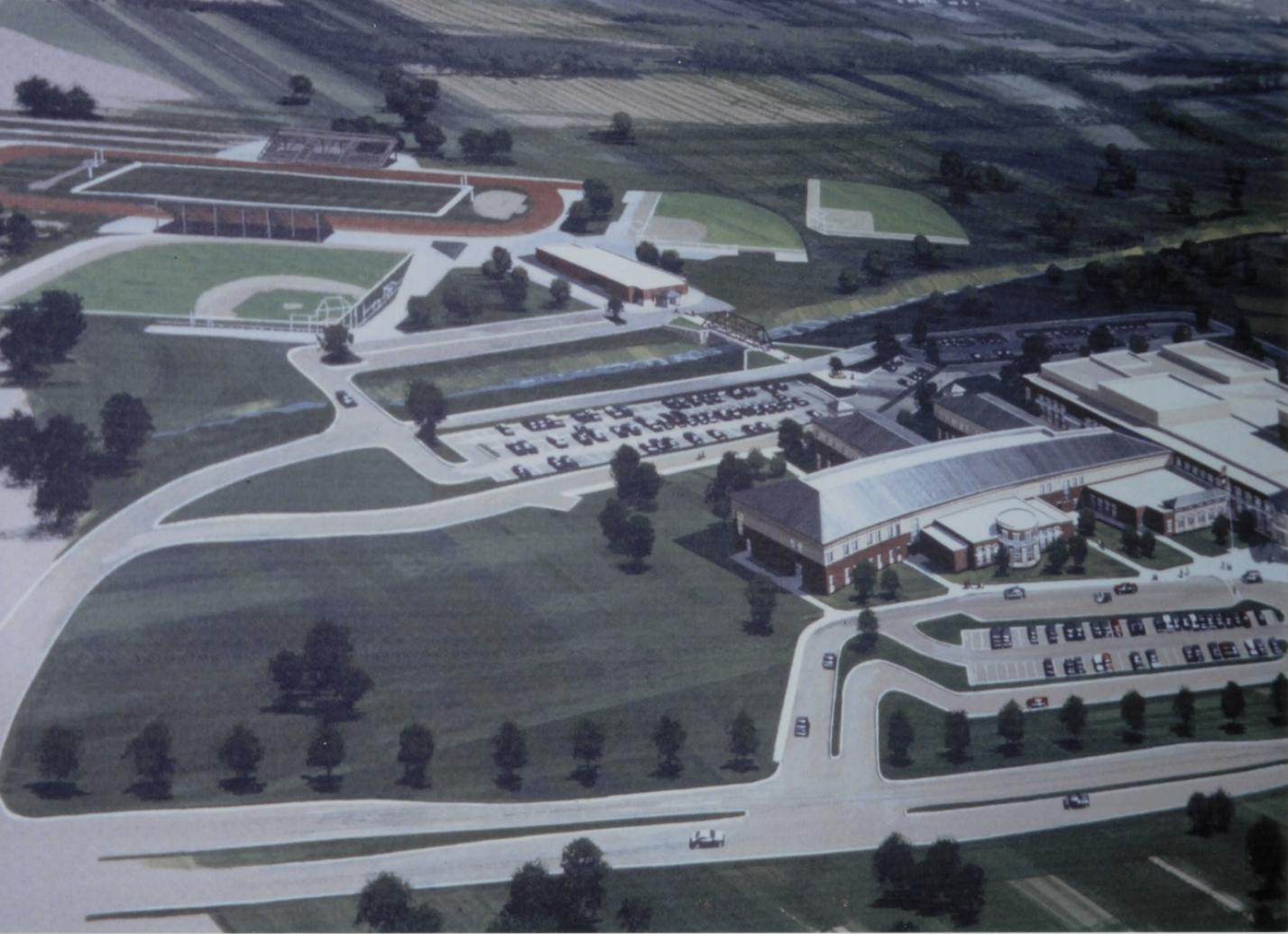
ABSTRACT/SUMMARY COMMENTS:

In efforts to save this rare surviving Pratt truss in Denton, bridge will be moved less than one mile away to the site of a new high school campus, where it will carry pedestrian traffic over an environmentally sensitive ^{area that includes} creek and adjoining stream banks. Bridge is architecturally "B" significant for its engineering design.

RECOM./CRITERIA Approve Move
REVIEWER L. McEllland DISCIPLINE Hestory
TELEPHONE _____ DATE 7/27/04

DOCUMENTATION see attached comments Y/N see attached SLR Y/N

If a nomination is returned to the nominating authority, the nomination is no longer under consideration by the NPS.



(A)

ARTIST'S CONCEPTION
RECTOR ROAD BRIDGE RELOCATION
DENTON COUNTY, TX 5726

11/2003

NOTE: ESA. WILL NOT BE CLEARED
AS DEPICTED HERE.

004

81464



②

RECTOR ROAD BRIDGE RELOCATION
DENTON COUNTY, TX

11/2003

VIEW FROM ACADEMIC TOWARD ATHLETIC AREA;
BRIDGE WILL COVER AREA WHERE TALL
TREE IN CENTER IS NOW LOCATED

003

81463



③

11/2003

RECTOR ROAD BRIDGE RELOCATION
DENTON COUNTY, TX

VIEW FROM ACADEMIC TO ATHLETIC AREA;
BRIDGE WILL BE TO LEFT OF HAY BALES;
DIRT ACROSS SPAN WILL BE MOVED TO
BASE OF BRIDGE AFTER RELOCATION

002



④

RECTOR ROAD BRIDGE RELOCATION
DENTON COUNTY, TX

11/2003

VIEW FROM ATHLETIC TOWARD ACADEMIC
AREA; BRIDGE WILL BE TO RIGHT OF
HAY BALES, BETWEEN POSTS WITH
COLORED RIBBONS

006

81466



⑤ RECTOR ROAD BRIDGE RELOCATION
DENTON COUNTY, TX

11/2003

VIEW FROM ATHLETIC TOWARD ACADEMIC
AREA; BETTER VIEW OF BRIDGE
RELOCATION SITE

007

81467



4/2003

⑥ RECTOR ROAD BRIDGE RELOCATION

DENTON COUNTY, TX

VIEW FROM ATHLETIC TOWARD ACADEMIC
AREA - E. S. A. EXTENDING TO RIGHT OF
BRIDGE AREA

001

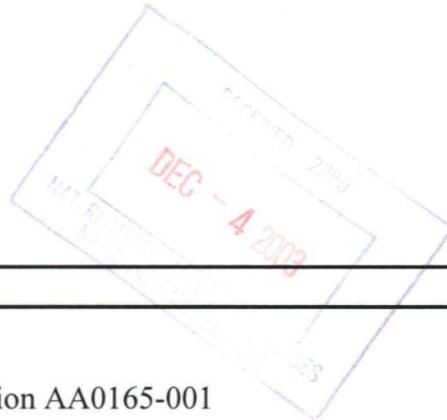
81461

1718

(Oct. 1990)

United States Department of the Interior
National Park Service

NATIONAL REGISTER OF HISTORIC PLACES
REGISTRATION FORM



1. NAME OF PROPERTY

HISTORIC NAME: Rector Road Bridge at Clear Creek
OTHER NAME/SITE NUMBER: CSJ 0918-46-141; Local designation AA0165-001

2. LOCATION

STREET & NUMBER: Approximately 2.5 miles SE of Sanger
CITY OR TOWN: Sanger
STATE: Texas CODE: TX COUNTY: Denton CODE: 061
NOT FOR PUBLICATION: N/A
VICINITY: X
ZIP CODE: 76266

3. STATE/FEDERAL AGENCY CERTIFICATION

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this (nomination) (request for determination of eligibility) meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property (meets) (does not meet) the National Register criteria. I recommend that this property be considered significant (nationally) (statewide) (locally). (See continuation sheet for additional comments.)

Signature of certifying official

12-2-03
Date

State Historic Preservation Officer, Texas Historical Commission
State or Federal agency and bureau

In my opinion, the property meets does not meet the National Register criteria. (See continuation sheet for additional comments.)

Signature of commenting or other official

Date

State or Federal agency and bureau

4. NATIONAL PARK SERVICE CERTIFICATION

I hereby certify that this property is:

entered in the National Register
 See continuation sheet.
 determined eligible for the National Register

See continuation sheet
 determined not eligible for the National Register

removed from the National Register

other (explain):

Signature of the Keeper

Date of Action

1/14/04

03001418

(Oct. 1990)

United States Department of the Interior
National Park Service

NATIONAL REGISTER OF HISTORIC PLACES
REGISTRATION FORM

1. NAME OF PROPERTY

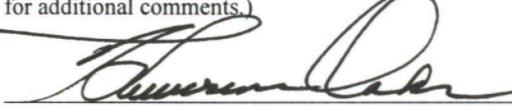
HISTORIC NAME: Rector Road Bridge at Clear Creek
OTHER NAME/SITE NUMBER: CSJ 0918-46-141; Local designation AA0165-001

2. LOCATION

STREET & NUMBER: Approximately 2.5 miles SE of Sanger
CITY OR TOWN: Sanger
STATE: Texas CODE: TX COUNTY: Denton CODE: 121
NOT FOR PUBLICATION: N/A
VICINITY: X
ZIP CODE: 76266

3. STATE/FEDERAL AGENCY CERTIFICATION

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this (nomination) (request for determination of eligibility) meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property (meets) (does not meet) the National Register criteria. I recommend that this property be considered significant (nationally) (statewide) (locally). (See continuation sheet for additional comments.)


Signature of certifying official
Date: 1/27/2004

State Historic Preservation Officer, Texas Historical Commission
State or Federal agency and bureau

In my opinion, the property meets does not meet the National Register criteria. (See continuation sheet for additional comments.)

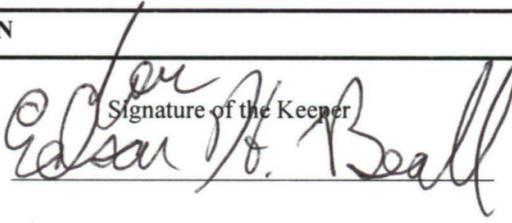
Signature of commenting or other official
Date

State or Federal agency and bureau

4. NATIONAL PARK SERVICE CERTIFICATION

I hereby certify that this property is:

- entered in the National Register
 See continuation sheet.
- determined eligible for the National Register
- See continuation sheet
- determined not eligible for the National Register
- removed from the National Register
- other (explain):


Signature of the Keeper
Date of Action: 1/14/04

5. CLASSIFICATION

OWNERSHIP OF PROPERTY: Public-local

CATEGORY OF PROPERTY: Structure

NUMBER OF RESOURCES WITHIN PROPERTY:	CONTRIBUTING	NONCONTRIBUTING
	0	0 BUILDINGS
	0	0 SITES
	1	0 STRUCTURES
	0	0 OBJECTS
	1	0 TOTAL

NUMBER OF CONTRIBUTING RESOURCES PREVIOUSLY LISTED IN THE NATIONAL REGISTER: 0

NAME OF RELATED MULTIPLE PROPERTY LISTING: *Historic Bridges of Texas MPS*

6. FUNCTION OR USE

HISTORIC FUNCTIONS: TRANSPORTATION/Road-related (vehicular) = bridge

CURRENT FUNCTIONS: TRANSPORTATION/Road-related (vehicular) = bridge

7. DESCRIPTION

ARCHITECTURAL CLASSIFICATION: Other: Pratt through-truss bridge

MATERIALS: FOUNDATION CONCRETE (piers and bents)
WALLS
ROOF
OTHER METAL/steel (superstructure)

NARRATIVE DESCRIPTION (see continuation sheet 7-5).

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section 7 Page 5

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

The Rector Road Bridge over Clear Creek is a 5-panel, pinned Pratt through-truss with an I-beam approach seated on braced metal-caisson piers and abutments with metal backing. The structural members are light which would facilitate transportation from the source of fabrication to the site and make erection easy with modest equipment. When erected, it had the capacity to carry rural wagon loads, but it currently carries automobile traffic.

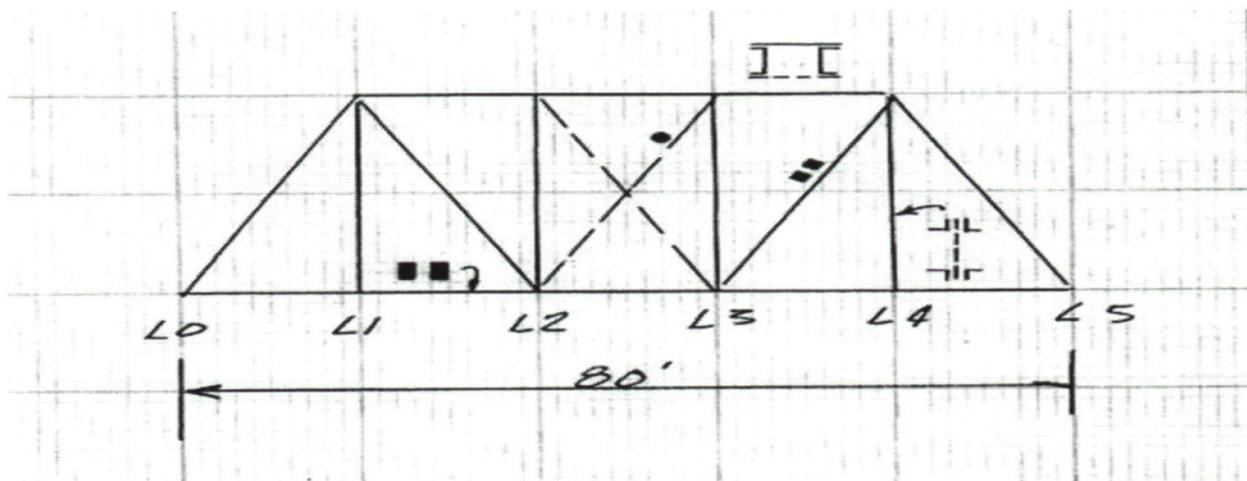
The Rector Road Bridge is located 2.5 miles southeast of the town of Sanger in northern Denton County and .35 miles north of Nicholson Road.

The bridge features 3 spans (including 2 short approach spans), with a primary span length of 80 feet and a total length of 112 feet. The roadway occupies the full width of the 11.9-foot-wide deck. The endposts and top-chord members were fabricated from a pair of channels, with cover plate and battens riveted together. Two pairs of laced angles provide the verticals. A pair of eyebars supply each set of diagonals. An adjustable round rod serves as a counter-brace in one of the more-central panels. The trusses carry braced-A portal struts. Rolled-I floor-beams hang from the lower pins. Adjustable, round-rods provide the lower and the upper lateral braces. The floor-beams carry runs of I-beam stringers which, in turn, support the concrete riding surface.

The Rector Road Bridge over Clear Creek was built in 1907-1908 by the Austin Brothers Company of Dallas, Texas. Denton County Commissioners Court Minutes from August 26, 1907 (Book F, 620) recorded the action of awarding the contract to Austin Brothers for the bridge, to be built 2½ miles southeast of the town of Sanger. The cost was \$1,664, with \$1,200 of the cost donated by the citizens of "Sanger and vicinity."

Although only one lane, the road is still used by postal and school vehicles, and others going or coming from the town of Sanger.

Figure: Cross-section of Rector Road Bridge (James E. M. Stewart, P.E., Churchville, NY). No scale.



8. STATEMENT OF SIGNIFICANCE

APPLICABLE NATIONAL REGISTER CRITERIA

- A** PROPERTY IS ASSOCIATED WITH EVENTS THAT HAVE MADE A SIGNIFICANT CONTRIBUTION TO THE BROAD PATTERNS OF OUR HISTORY.
- B** PROPERTY IS ASSOCIATED WITH THE LIVES OF PERSONS SIGNIFICANT IN OUR PAST.
- C** PROPERTY EMBODIES THE DISTINCTIVE CHARACTERISTICS OF A TYPE, PERIOD, OR METHOD OF CONSTRUCTION OR REPRESENTS THE WORK OF A MASTER, OR POSSESSES HIGH ARTISTIC VALUE, OR REPRESENTS A SIGNIFICANT AND DISTINGUISHABLE ENTITY WHOSE COMPONENTS LACK INDIVIDUAL DISTINCTION.
- D** PROPERTY HAS YIELDED, OR IS LIKELY TO YIELD, INFORMATION IMPORTANT IN PREHISTORY OR HISTORY.

CRITERIA CONSIDERATIONS: N/A

AREAS OF SIGNIFICANCE: Engineering

PERIOD OF SIGNIFICANCE: 1907-1908

SIGNIFICANT DATES: 1907-1908

SIGNIFICANT PERSON: N/A

CULTURAL AFFILIATION: N/A

ARCHITECT/BUILDER: Austin Brothers (Dallas, Texas)

NARRATIVE STATEMENT OF SIGNIFICANCE (see continuation sheet 8-6).

9. MAJOR BIBLIOGRAPHIC REFERENCES

BIBLIOGRAPHY (see continuation sheet 9-7).

PREVIOUS DOCUMENTATION ON FILE (NPS): N/A

- preliminary determination of individual listing (36 CFR 67) has been requested.
- previously listed in the National Register
- previously determined eligible by the National Register
- designated a National Historic Landmark
- recorded by Historic American Buildings Survey #
- recorded by Historic American Engineering Record #

PRIMARY LOCATION OF ADDITIONAL DATA:

- State historic preservation office (*Texas Historical Commission*)
- Other state agency (*Texas Department of Transportation*)
- Federal agency
- Local government (*Denton County Commissioner Court minutes*)
- University
- Other -- Specify Repository:

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section 8 Page 6

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

Statement of Significance

The 1908 Rector Road Bridge at Clear Creek, near Sanger, Denton County, Texas, is a 5-panel, pinned Pratt through-truss bridge, and serves as a rare example of its type in Denton County. Because of its structural integrity and riveted pin construction, Rector Road Bridge serves as a rare local example of a Pratt through-truss, and is nominated to the National Register of Historic Places, under Criterion C, in the area of Engineering, at the local level of significance. The bridge is one of only two Pratt through-truss bridges still in use on county roads in Denton County.

The citizens of Sanger bore the costs of erecting the Rector Road Bridge, which provided an important passage in the vicinity of Sanger, and facilitated growth and development in north Denton County. On February 19, 1908, the Rector Road Bridge was accepted by the Commissioners and they approved payment to Austin Brothers (Book G, 53-54; page 8-7,8). The total payment was for \$1,894, which included \$230 for a bridge built over the slough near the Rector Road Bridge.

Frank and George Austin were the Atlanta and Dallas agents of the George E. King Bridge Company in the 1890s. They had gotten their start in 1889 when George Austin moved to Dallas as an agent for the George E. King Bridge Co. of Des Moines, IA. The brothers started fabricating and installing steel truss bridges for counties across Texas and Georgia, and gradually expanded their expertise. The company they founded is still in operation today with over 6,000 employees, completing projects in almost every type of civil, commercial and industrial construction. More than 200 Austin Brothers-built, pre-World War II steel truss bridges are still in service on the back roads of Texas.¹

Austin Bridge Co. of Dallas was the only major Texas bridge fabricator prior to the creation of the Texas Highway Department in 1917. After working for the George E. King Bridge Co., of Des Moines, Iowa, the Austin Brothers severed their connection with George E. King Bridge Company and began to make plans to open their own bridge fabricating business. Finally, in 1910, the company purchased property in Dallas and built a small fabrication plant for bridge and building components.²

The Pratt truss, patented in 1844 by Thomas and Caleb Pratt, made the vertical members stand in compression and the diagonals in tension, a reversal of the popular construction designs of the day. Although originally constructed in wood and iron, the Pratt was quickly modified for all iron and steel construction, becoming the predominant truss type of the 19th Century. By the end of the 1880s, the Pratt design had largely replaced the tubular arch as the standard truss type for short to intermediate spans. By this time, bridge fabricators were manufacturing Pratts in a wide variety of shapes and sizes, principally in short to intermediate span lengths (30 to 150 feet). The straightforward design, considerable strength and ease of erection made the Pratt the predominant truss type for American roadways during the late 19th and early 20th centuries. The Pratt quickly gained acceptance through Texas as the preferred type for short to intermediate spans, reaching its heyday of popularity from 1895 to 1910.³ Built a few years after the organization of the Texas Highway Department at a time when rural counties opted to build economical truss bridges, the Rector Road Bridge at Clear Creek is a rare local example of what was once a common bridge type in Denton County. Never modified, it retains a high degree of integrity and continues to serve automobile traffic in the vicinity of Sanger, Texas.

¹ Interview with Engineer James E. M. Stewart of Churchville, NY, March 2003.

² *Ibid*, p. 21.

³ *Historic Bridges of Texas, 1866-1945*, pp. 8, 11.

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section 9, Photo Page 7

Rector Road Bridge at Clear Creek
Sanger vicinity, Denton County, Texas

Bibliography

Denton County Commissioners Court Minutes, Book F, 620, August 26, 1907 (page 8-6)

Denton County Commissioners Court Minutes, Book G, 53-54, February 19, 1908 (page 8-7,8)

Historic Bridges of Texas, 1866-1945

Informal Contacts with several noted bridge historians, including Dr. James Cooper, Greencastle, IN; Eric DeLony, HAER, Washington, DC; Allan King Sloan, Lexington, MA.; S. Patrick Sparks, P.E., Pflugerville, TX; and James E. M. Stewart, P.E., Churchville, NY.

Photo Log

Rector Road Bridge at Clear Creek
Approximately 2.5 miles southeast of Sanger, 0.35 mi. north of Nicholson Road.
Vicinity of Sanger, Texas
Photographed 2003 by Rynell Novak
Camera facing Northeast
Photo 1 of 1

10. GEOGRAPHICAL DATA

ACREAGE OF PROPERTY: less than one acre

UTM REFERENCES	<u>Zone</u>	<u>Easting</u>	<u>Northing</u>
1.	14	672300	3689260

VERBAL BOUNDARY DESCRIPTION: The nomination encompasses the complete structure, Rector Road Bridge, from the extreme southern portion of the bridge to the extreme northern portion, including all of the superstructure and any substructure that might be useful in relocating the bridge.

BOUNDARY JUSTIFICATION: The boundary includes all components of the bridge superstructure and substructure, including the approach spans and concrete deck, so as to maintain its integrity as a through truss bridge.

11. FORM PREPARED BY

NAME/TITLE: Rynell Novak, Ph.D.

ORGANIZATION: Denton County Historical Commission

DATE: March 31, 2003

STREET & NUMBER: 110 W. Hickory

TELEPHONE: (940) 349-2860

CITY OR TOWN: Denton

STATE: Texas

ZIP CODE: 76201

ADDITIONAL DOCUMENTATION

CONTINUATION SHEETS

MAPS

PHOTOGRAPHS (see continuation sheet Photo-7)

ADDITIONAL ITEMS (see plan on continuation sheets 7-5)

PROPERTY OWNER

NAME: Denton County (Commissioners Court)

STREET & NUMBER: 110 W. Hickory

TELEPHONE: (940) 349-2820

CITY OR TOWN: Denton

STATE: Texas

ZIP CODE: 76201



**TEXAS
HISTORICAL
COMMISSION**

Rick Perry • *Governor*
John L. Nau, III • *Chairman*
F. Lawrence Oaks • *Executive Director*

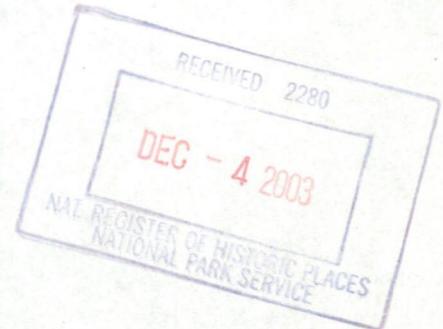
The State Agency for Historic Preservation

TO: Carol Shull, Keeper
National Register of Historic Places

FROM: Gregory W. Smith, National Register Coordinator
Texas Historical Commission

RE: Rector Road Bridge at Clear Creek, Denton Co., Texas

DATE: December 2, 2003



The following materials are submitted regarding: Rector Road Bridge at Clear Creek, Denton Co., Texas

<input checked="" type="checkbox"/>	Original National Register of Historic Places form
<input type="checkbox"/>	Resubmitted nomination
<input type="checkbox"/>	Multiple Property nomination form
<input checked="" type="checkbox"/>	Photographs
<input checked="" type="checkbox"/>	USGS map
<input type="checkbox"/>	Correspondence
<input type="checkbox"/>	Other:

COMMENTS:

Please ensure that this nomination is reviewed

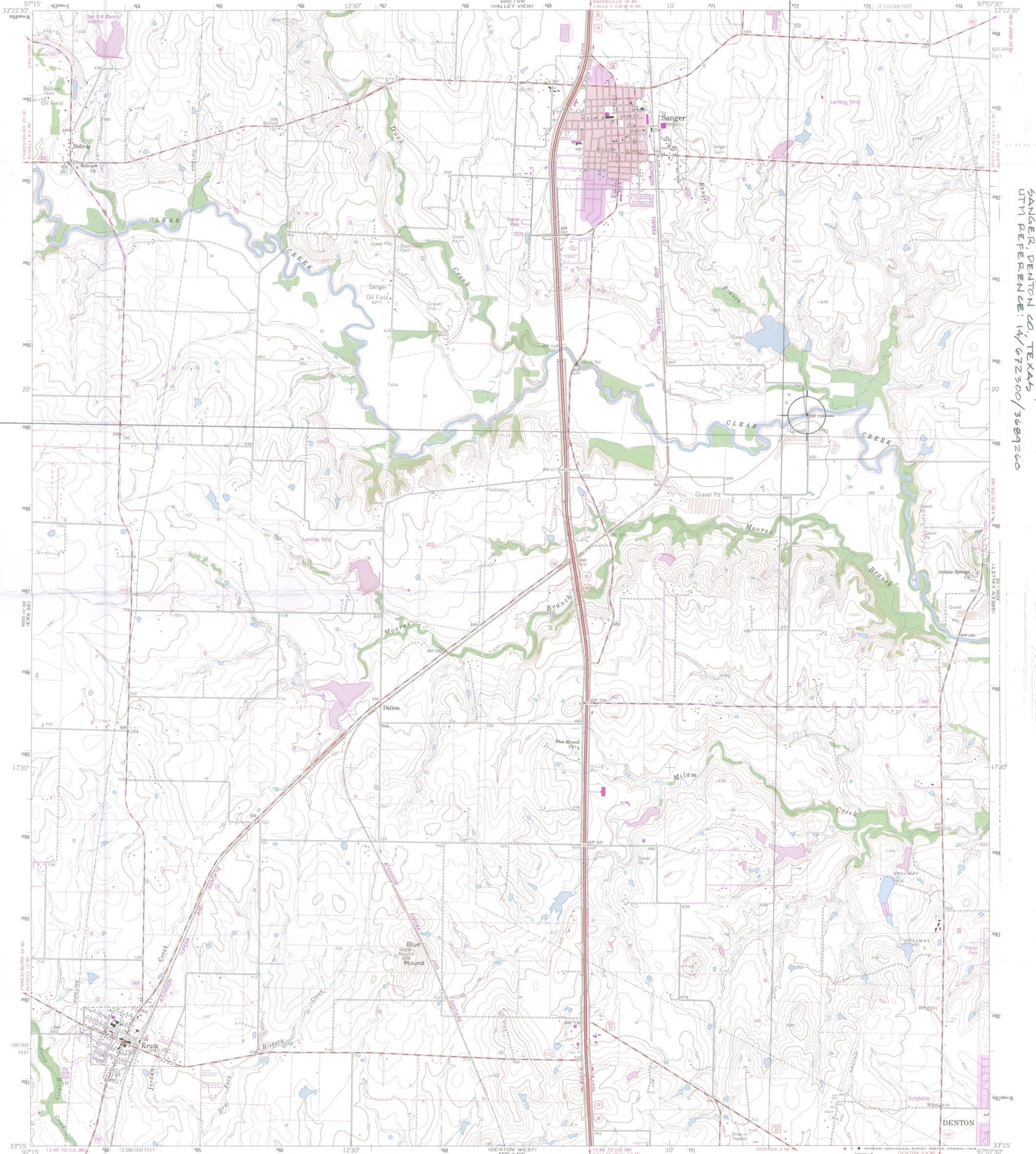
The enclosed owner objections (do) (do not) constitute a majority of property owners

Other _____



RECTOR ROAD AT CLEAR CREEK
DENTON COUNTY, TEXAS

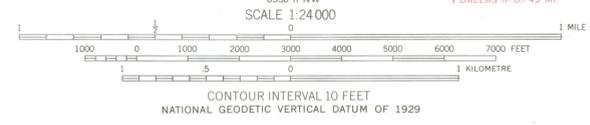
RECTOR ROAD BRIDGE AT CLEAR CREEK
SANGER VICINITY, DENTON COUNTY, TEXAS
PHOTOGRAPHED BY RYNELL NOVAK
MARCH 2003
CAMERA FACING NORTHEAST
PHOTO 1 of 1



RECTOR BRIDGE AT CLEAR CREEK
APPROXIMATELY 2.5 MILES SE OF SANGER
SANGER, DENTON CO., TEXAS
UTM REFERENCE: 14/672300/3689260

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1957. Field check 1960
Polyconic projection. 1927 North American datum
10,000-foot grid based on Texas coordinate system,
north central zone
1000-metre traverse Mercator grid ticks,
zone 14, shown in blue
Fine red dashed lines indicate selected fence and field lines
where generally visible on aerial photographs
This information is unchecked
Red tint indicates area in which only landmark buildings are shown

UTM GRID AND 1978 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET
Revisions shown in purple compiled from aerial
photographs taken 1975. This information not
field checked. Map edited 1978
Purple tint indicates extension of urban areas



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION
3397-142

SANGER, TEX.
N3315-W9707 5/7 5
1960
PHOTOREVISED 1978
AMS 6550 1 SW-SERIES V882

