PLANNING AND DESIGN TOOLS: BRIDGE DATA AT THE CLICK OF A TAB FOR ALL TXDOT DISCIPLINES

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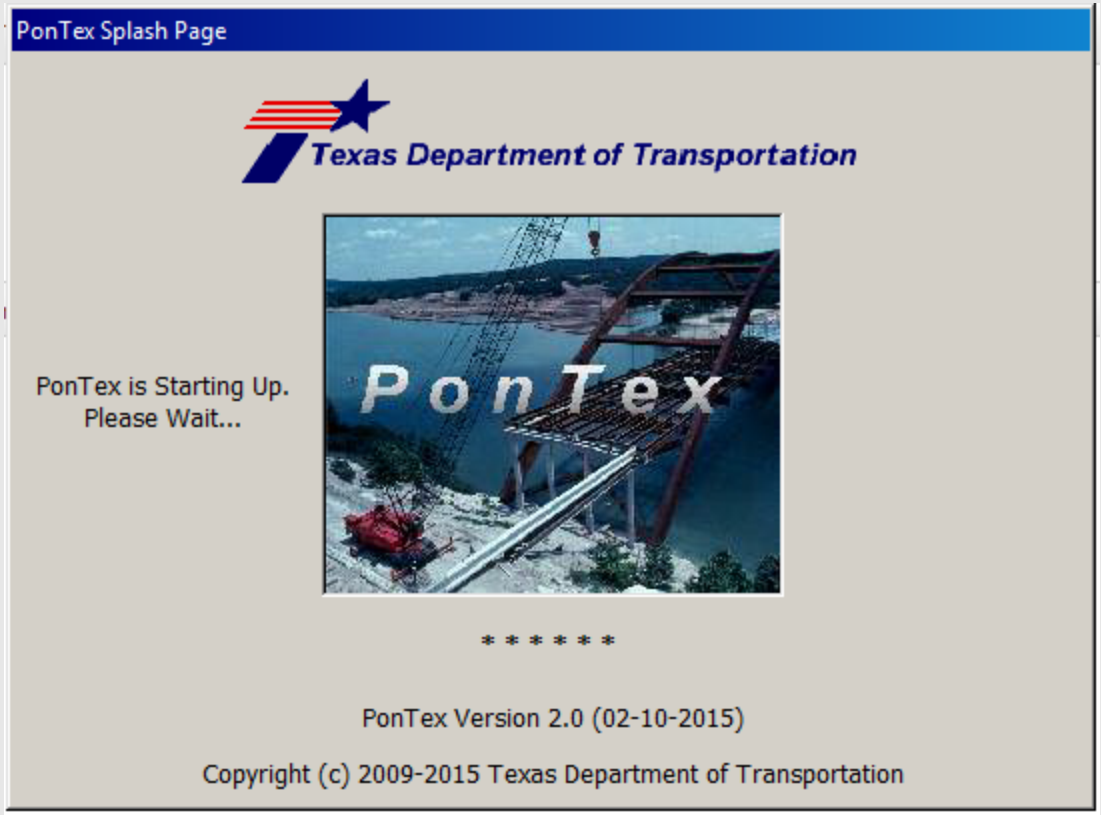
October 14,2015

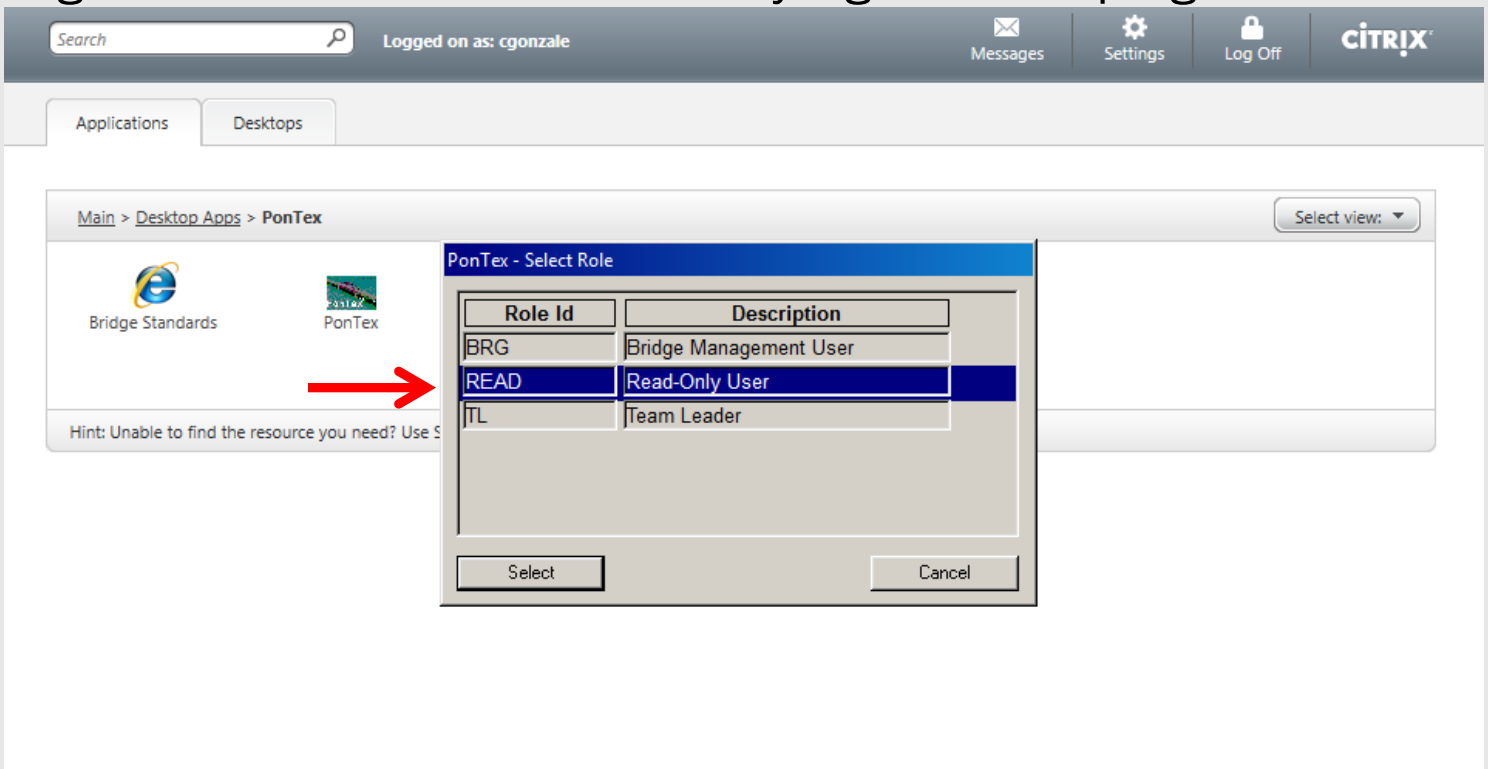
BRIDGE MANAGEMENT DATABASE



- The current Bridge Management Database is named PONTEX. Its' purpose is to store collected bridge inspection information and pertinent information about bridges, and allow Users to manage this data. It is also used by PONTIS, an AASHTO bridge management application, by the federal government to analyze this data. FHWA uses PONTIS in their review of TxDOT's compliance with the National Bridge Inspection Standards (NBIS) as per 23 CFR 650 Subpart.

BRIDGE MANAGEMENT DATABASE: User Role

There are different types of Users and PonTex recognizes these Users depending on the Role selected when they sign into the program.



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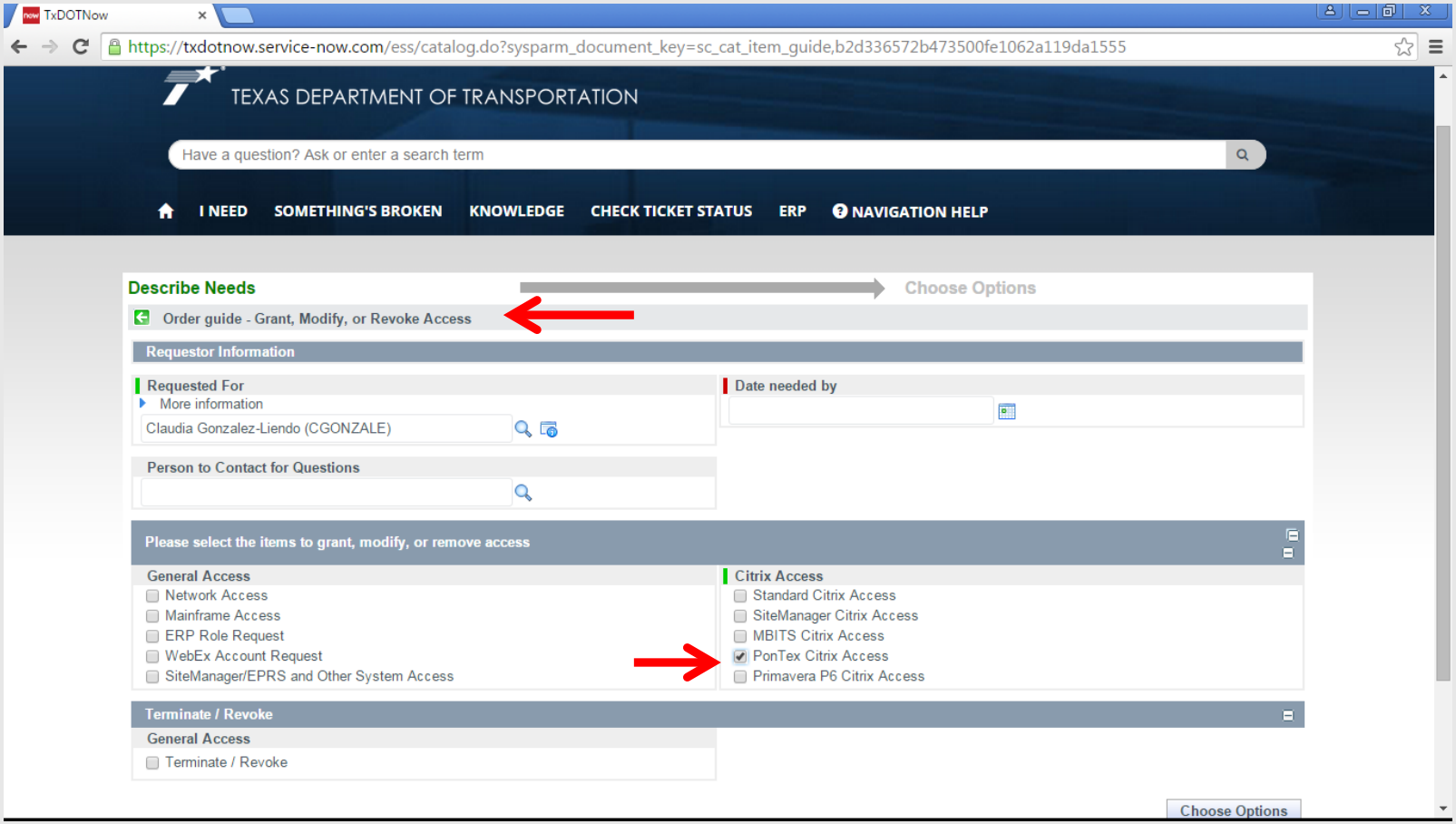
The “Read Only User” is the Role most non-bridge personnel parties will be issued to access the database.

BRIDGE MANAGEMENT DATABASE : ACCESS to PONTEX

- Requesting access to the bridge inspection database consists of submitting a TxDOT Now ticket.



BRIDGE MANAGEMENT DATABASE: Components

MENU

BRIDGE & ROUTE TABS

IDENTIFICATION FIELDS

PlanTex

File Edit Reports Tools Help

Structure Number:

Programming | Clearance | Bridge Entry

PLANNING TABS

Bridge List | Identification | Geometry | Structure | Loading | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Dist: Co: Cont: Sect: Maint Sec: Clearance Struc List Sys: All Insp Status Brdg Status Reset Filter

Dist	Cnty	Maint Sect	Structure Number	Features Intersected	Facility Carried	Location	Last Insp Date
01	060	03	01-060-0-0136-03-019	BARNETT SLOUGH	SH 24	1.50 MI NE OF HUNT C/L	03/10/2015
01	060	03	01-060-0-0136-03-021	JERNIGAN CRK REL NO 2	SH 24	3.80 MI NE OF HUNT C/L	03/10/2015
01	060	03	01-060-0-0136-03-022	JERNIGAN CRK REL NO 1	SH 24	3.90 MI NE OF HUNT C/L	03/10/2015
01	060	03	01-060-0-0136-03-023	JERNIGAN CREEK	SH 24	4.00 MI NE OF HUNT C/L	03/10/2015
01	060	03	01-060-0-0136-03-026	HONEY CREEK	SH 24	1.10 MI NE OF FM 2890	03/10/2015
01	060	03	01-060-0-0136-03-027	JOHNS CREEK	SH 24	3.20 MI SW OF FM 64	03/10/2015
01	060	03	01-060-0-0136-03-028	DOCTORS CREEK	SH 24	1.60 MI SE OF FM 64	03/11/2015
01	060	03	01-060-0-0136-03-057	BARNETT CREEK	SH 24	0.90 MI NE OF HUNT C/L	03/10/2015
01	060	03	01-060-0-0136-03-083	DRAIN	SH 24	0.60 MI SW OF FM 128	03/12/2015
01	060	03	01-060-0-0136-04-058	SOUTH BIG CREEK	SH 24 SB	0.15 MI SW OF FM 128	03/12/2015
01	060	03	01-060-0-0136-04-059	NORTH BIG CREEK	SH 24 SB	0.80 MI NE OF FM 128	03/12/2015
01	060	03	01-060-0-0136-04-061	NORTH BRUSHY CREEK	SH 24 SB	2.00 MI SW OF SH 19	03/14/2015
01	060	03	01-060-0-0136-04-062	LAKE CREEK	SH 19 WB	0.40 MI NE OF SH 19	03/13/2015
01	060	03	01-060-0-0136-04-079	N SULPHUR RIVER RELIEF	SH 19 EB	0.15 MI S OF LAMAR C/L	03/13/2015
01	060	03	01-060-0-0136-04-101	LAKE CREEK	SH 19 EB	0.40 MI NE OF SH 19	03/13/2015
01	060	03	01-060-0-0136-04-102	N SULPHUR RIVER RELIEF	SH 19 WB	0.15 MI S OF LAMAR C/L	03/13/2015
01	060	03	01-060-0-0136-04-126	SOUTH BIG CREEK	SH 24 NB	0.15 MI SW OF FM 128	03/12/2015
01	060	03	01-060-0-0136-04-127	NORTH BIG CREEK	SH 24 NB	0.80 MI E OF FM 128	03/12/2015

Refresh List View Export

54256 bridges retrieved. | TX-XENAPPS-10 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 11:23:37

BRIDGE MANAGEMENT DATABASE

PonTex

File Edit Reports Tools Help

Structure Number:

Programming | Clearance | Bridge Entry

Bridge List | Identification | Geometry | Structure | Loading | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Dist: 06 Co: 156 Cont: 0005 Sect: Maint Sec: Clearance Struc List Sys: All Insp Status Brdg Status Reset Filter

Dist	Cnty	Maint Sect	Structure Number	Features Intersected	Facility Carried	Location	Last Insp Date	Ref M
06	156	11	06-156-0-0005-04-032	MUSTANG DRAW	IH 20	1.60 MI W OF FM 829	07/18/2014	0150
06	156	11	06-156-0-0005-04-205	IH 20	IH 20 Bus	2.10 Mi W of SH 137	08/25/2015	0153
06	156	11	06-156-0-0005-04-206	SH 137	IH 20 WB	At JCT of SH 137 & IH 20	08/25/2015	0155
06	156	11	06-156-0-0005-04-207	SH 137	IH 20 EB	IH 20 at SH 137	08/25/2015	0155
06	156	11	06-156-0-0005-04-208	DRAW	IH 20	0.45 MI E OF SH 137	02/14/2013	0156
06	156	11	06-156-0-0005-04-209	IH 20	IH 20 Bus (US 80)	2.55 Mi E of SH 137	08/25/2015	0158
06	156	11	06-156-0-0005-04-212	IH 20 & UPRR	FM 829	4.45 MI W OF SH 137	08/26/2015	0151
06	156	11	06-156-0-0005-16-136	DRAIN	IH 20 BUS	0.65 MI E OF SH 137	02/09/2015	0340
06	156	11	06-156-0-0005-16-137	DRAIN	IH 20 BUS	0.55 MI E OF SH 137	02/09/2015	0340

DATABASE GENERATES A LISTING OF ALL BRIDGES LOCATED IN DIST. 6, COUNTY 156, CONTROL 0005.

Refresh List | View | IF YOU WANT TO EXPORT THIS LIST, CLICK HERE → Export

9 bridges retrieved. | TX-XENAPPS-10 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 11:26:32

BRIDGE MANAGEMENT DATABASE

PonTex

File Edit Reports Tools Help

Save As

Save in: 2015CONFERENCE_COLLEGEstatio

Desktop
Network
Libraries
Claudia Gonzalez-Liendo
Computer
Floppy Disk Drive (A:)
Local Disk (C:)
New Volume (D:)
Program Files
PonTex
CD Drive (E:)
X$ (\\Client) (G:)
C$ (\\Client) (H:)
Engdata
PRESENTATIONS
2015CONFERENCE_COLLEGE
L$ (\\Client) (L:)
M$ (\\Client) (M:)
PICTURES (\\lrd1\DATA1\Data\Lrd
SCAN (\\lrd1\DATA1\DATA\LRD\G
SHARED (\\lrd1\DATA1) (S:)
GROUPS (\\lrd1\DATA1\DATA\LRD
cgonzale (\\lrd1\DATA1\DATA\LRD
LIB1 (\\lrd1\DATA1) (W:)
New Volume (X:)
Y$ (\\Client) (Y:)

Name | Date modified
BRID | 9/28/2015 7:58 AM

File name
Save as
Encoding:
Save
Cancel

Intersecting Route | Inspection & Appraisal | Element Condition | Components

Clearance
Struc List
Sys: All
Insp Status
Brdg Status
Reset Filter

		Facility Carried	Location	Last Insp Date	Ref M
		IH 20	1.60 MI W OF FM 829	07/18/2014	0150
		IH 20 Bus	2.10 Mi W of SH 137	08/25/2015	0153
		IH 20 WB	At JCT of SH 137 & IH 20	08/25/2015	0155
		IH 20 EB	IH 20 at SH 137	08/25/2015	0155
		IH 20	0.45 MI E OF SH 137	02/14/2013	0156
06		IH 20 Bus (US 80)	2.55 Mi E of SH 137	08/25/2015	0158
06	20 & UPRR	FM 829	4.45 MI W OF SH 137	08/26/2015	0151
06	RAIN	IH 20 BUS	0.65 MI E OF SH 137	02/09/2015	0340
06	RAIN	IH 20 BUS	0.55 MI E OF SH 137	02/09/2015	0340

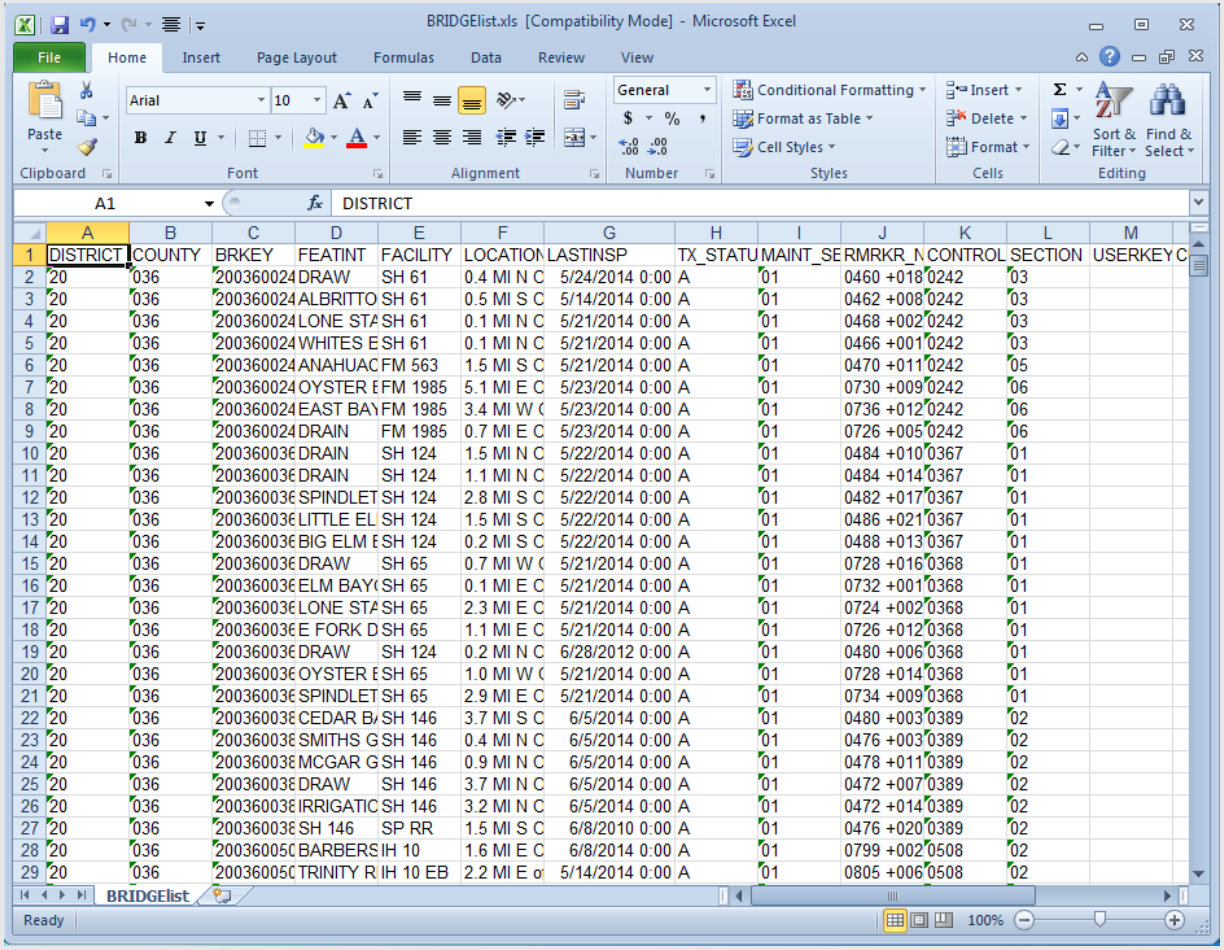
IT IS IMPORTANT TO SAVE THE EXPORTED DATA INTO A LOCAL DRIVE ACCESSIBLE BY THE USER. WHILE LOGGED INTO THE DATABASE, A DRIVE IDENTIFIED WITH A "$" REPRESENTS A LOCAL DRIVE.

Refresh List | View | Export

9 bridges retrieved. | TX-XENAPPS-10 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 11:29:50

BRIDGE MANAGEMENT DATABASE and EXCEL

- Excel spreadsheet created when exporting data directly from the “Bridge List” tab.



DISTRICT	COUNTY	BRKEY	FEATINT	FACILITY	LOCATION	LASTINSP	TX_STATU	MAINT_SE	RMRKR_N	CONTROL	SECTION	USERKEY C
20	036	200360024	DRAW	SH 61	0.4 MI N C	5/24/2014 0:00	A	01	0460 +018	0242	03	
20	036	200360024	ALBRITTO	SH 61	0.5 MI S C	5/14/2014 0:00	A	01	0462 +008	0242	03	
20	036	200360024	LONE STA	SH 61	0.1 MI N C	5/21/2014 0:00	A	01	0468 +002	0242	03	
20	036	200360024	WHITES E	SH 61	0.1 MI N C	5/21/2014 0:00	A	01	0466 +001	0242	03	
20	036	200360024	ANAHUAC	FM 563	1.5 MI S C	5/21/2014 0:00	A	01	0470 +011	0242	05	
20	036	200360024	OYSTER E	FM 1985	5.1 MI E C	5/23/2014 0:00	A	01	0730 +009	0242	06	
20	036	200360024	EAST BAY	FM 1985	3.4 MI W (	5/23/2014 0:00	A	01	0736 +012	0242	06	
20	036	200360024	DRAIN	FM 1985	0.7 MI E C	5/23/2014 0:00	A	01	0726 +005	0242	06	
20	036	200360036	DRAIN	SH 124	1.5 MI N C	5/22/2014 0:00	A	01	0484 +010	0367	01	
20	036	200360036	DRAIN	SH 124	1.1 MI N C	5/22/2014 0:00	A	01	0484 +014	0367	01	
20	036	200360036	SPINDLET	SH 124	2.8 MI S C	5/22/2014 0:00	A	01	0482 +017	0367	01	
20	036	200360036	LITTLE EL	SH 124	1.5 MI S C	5/22/2014 0:00	A	01	0486 +021	0367	01	
20	036	200360036	BIG ELM E	SH 124	0.2 MI S C	5/22/2014 0:00	A	01	0488 +013	0367	01	
20	036	200360036	DRAW	SH 65	0.7 MI W (	5/21/2014 0:00	A	01	0728 +016	0368	01	
20	036	200360036	ELM BAY(	SH 65	0.1 MI E C	5/21/2014 0:00	A	01	0732 +001	0368	01	
20	036	200360036	LONE STA	SH 65	2.3 MI E C	5/21/2014 0:00	A	01	0724 +002	0368	01	
20	036	200360036	E FORK D	SH 65	1.1 MI E C	5/21/2014 0:00	A	01	0726 +012	0368	01	
20	036	200360036	DRAW	SH 124	0.2 MI N C	6/28/2012 0:00	A	01	0480 +006	0368	01	
20	036	200360036	OYSTER E	SH 65	1.0 MI W (	5/21/2014 0:00	A	01	0728 +014	0368	01	
20	036	200360036	SPINDLET	SH 65	2.9 MI E C	5/21/2014 0:00	A	01	0734 +009	0368	01	
20	036	200360038	CEDAR B/	SH 146	3.7 MI S C	6/5/2014 0:00	A	01	0480 +003	0389	02	
20	036	200360038	SMITHS G	SH 146	0.4 MI N C	6/5/2014 0:00	A	01	0476 +003	0389	02	
20	036	200360038	MCGAR G	SH 146	0.9 MI N C	6/5/2014 0:00	A	01	0478 +011	0389	02	
20	036	200360038	DRAW	SH 146	3.7 MI N C	6/5/2014 0:00	A	01	0472 +007	0389	02	
20	036	200360038	IRRIGATIC	SH 146	3.2 MI N C	6/5/2014 0:00	A	01	0472 +014	0389	02	
20	036	200360038	SH 146	SP RR	1.5 MI S C	6/8/2010 0:00	A	01	0476 +020	0389	02	
20	036	200360050	BARBERS	IH 10	1.6 MI E C	6/8/2014 0:00	A	01	0799 +002	0508	02	
20	036	200360050	TRINITY R	IH 10 EB	2.2 MI E o	5/14/2014 0:00	A	01	0805 +006	0508	02	

BRIDGE MANAGEMENT DATABASE

FOR DATA ON A PARTICULAR BRIDGE, DOUBLE CLICK ON THE PSN OF INTEREST.

PonTex

File Edit Reports Tools Help

Structure Number:

Programming | Clearance | Bridge Entry

Bridge List | Identification | Geometry | Structure | Loading | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Dist: 06 Co: 156 Cont: 0005 Sect: Maint Sec: Clearance Struc List Sys: All Insp Status Brdg Status Reset Filter

Dist	Cnty	Maint Sect	Structure Number	Features Intersected	Facility Carried	Location	Last Insp Date	Ref M
06	156	11	06-156-0-0005-04-032	MUSTANG DRAW	IH 20	1.60 MI W OF FM 829	07/18/2014	0150
06	156	11	06-156-0-0005-04-205	IH 20	IH 20 Bus	2.10 Mi W of SH 137	08/25/2015	0153
06	156	11	06-156-0-0005-04-206	SH 137	IH 20 WB	At JCT of SH 137 & IH 20	08/25/2015	0155
06	156	11	06-156-0-0005-04-207	SH 137	IH 20 EB	IH 20 at SH 137	08/25/2015	0155
06	156	11	06-156-0-0005-04-208	DRAW	IH 20	0.45 MI E OF SH 137	02/14/2013	0156
06	156	11	06-156-0-0005-04-209	IH 20	IH 20 Bus (US 80)	2.55 Mi E of SH 137	08/25/2015	0158
06	156	11	06-156-0-0005-04-212	IH 20 & UPRR	FM 829	4.45 MI W OF SH 137	08/26/2015	0151
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06	156	11	06-156-0-0005-16-137	DRAIN	IH 20 BUS	0.55 MI E OF SH 137	02/09/2015	0340

Refresh List | View | Export

9 bridges retrieved. | TX-XENAPPS-10 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 11:32:40

BRIDGE MANAGEMENT DATABASE

PonTex

File Edit Inspection Reports Tools Help

Structure Number: 06-156-0-0005-04-205 Find Item: 002.0 District

Programming | Clearance | Bridge Entry

Bridge List | Identification | Geometry | Structure | Loading | Inventory Route | Intersecting Route | **Inspection & Appraisal** | Element Condition | Components

Attachment(s) Exist

Schedule:

	Required Y / N:	Frequency:		Last Date:	
Routine Inspection:		(91): 24	mos	(90): 8/7/2013	mm/dd/yyyy
Fracture Critical Inspection / Req (92.1.1):	N-No	(92.1.2):	mos	(93.1):	mmyyyy
Underwater Inspection / Req (92.2.1):	N-No	(92.2.2):	mos	(93.2):	mmyyyy
Other Special Inspection / Req (92.3.1):	N-No	(92.3.2):	mos	(93.3): 032014	mmyyyy

Special Flags:

Underwater Inspection (88.1): N-Underwater inspec
Fracture Critical Areas (88.2): NN-Structure without
Steel Type (88.3): 2-Some or all expose
Year Steel Painted (88.4): 1968

Condition Ratings:

Deck Condition (58): 5-FAIR CONDITION
Superstructure Condition (59): 4-POOR CONDITION
Substructure Condition (60): 7-GOOD CONDITION
Channel Condition (61): N-NOT APPLICABLE
Culvert Condition (62): N-NOT APPLICABLE

Other Special Inspection **Approved**

06-156-0-0005-04-205 | 0011 | OS | 1 | 0 | A | D | [redacted]

Appraisal Ratings - Entered:

Traffic Safety Bridge Railings (36.1): 1-Meet Current Accepta
Traffic Safety Transitions (36.2): 0-Does Not Meet Curre
Traffic Safety Approach Guardrail (36.3): 0-Does Not Meet Curre
Traffic Safety Approach Guardrail Ends (36.4): 0-Does Not Meet Curre
Roadway Approach Condition (65): 7-GOOD CONDITION
Waterway Adequacy (71): N-Not Applicable
Approach Roadway Alignment (72): 8-No Speed Reduction
Navigation Pier or Abutment Protection (111): Blank-Not Applicable
Scour Critical (113): N-Bridge Not Over Wat
Scour Plans of Action / Unknown Foundations (113.1): Blank-Not Applicable
Over Height Damage (128): Y-Damage to beam(s)

Appraisal Ratings - Calculated:

Structure Evaluation (67): 4-Meets Minimum Tolerabl
Deck Geometry (68): 5-Better than Minimum Tol
Vertical and Horizontal Underclearances (69): 5-Better than Minimum Tol
Structurally Deficient /Functionally Obsolete (120): D
Sufficiency Rating (121): 67.5

Insp Cmt | Print | Insp Attach | Chng Log

Ready | TXXENAPPS-10 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 11:34:37

BRIDGE MANAGEMENT DATABASE

PonTex

File Edit Reports Tools Help

Structure Number: 06-156-0-0005-04-205 Find Item: 002.0 District

Programming | Clearance | Bridge Entry

Identification | Geometry | Structure | Loading | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Structure Identification:

Structure Number: 061560000504205

Name:

District Notes (126):

Bridge Description: 4 - Span Continuous Steel I-Beam Bridge on C

Location:

District (2): 06

County (3): 156

Control (8.4): 0005

Section (8.5): 04

Permanent Bridge Number (8.6): 205

City Code (4): 00000

Feature Intersected (6.1): IH 20

Facility Carried (7): IH 20 Bus

Location (9): 2.10 Mi W of SH 137

GPS Latitude (16.1): 32.11634341 32° 06' 58.84"

GPS Longitude (17.1): 101.82907963 101° 49' 44.69"

Collection Method (17.2): 4-Generated from reference marker data

06-156-0-0005-04-205 A Active

Age and Service:

Year Built (27): 1968

Year Reconstructed (106): 0000

Widening Code (106.1): 0-No widening or not applicable

Type of Service On (42.1): 1-Highway (highway stream crossing

Type of Service Under (42.2): 1-Highway, with or without pedestrian

Management:

Maintenance Responsibility (21): 01-State Highway Agency

Owner (22): 01-State Highway Agency

System Designation: 1-On System

Maintenance Section Number (22.1): 11

Project Type (23.1): 1-Federal Aid (F.A.)

Neighboring State Code (98.1): Blank-Not BorderBridge

Percent Responsibility (98.2):

Border Bridge Structure Number (99):

CSJ When Built (23.2): 0005 04 019

Historical Significance (37): 3-Not eligible for NRHP listing

NBIS Bridge Length (112): Y-Yes

Land-Locked: Insp Dist: 06

Map It! | Bridge Attach | Attachment(s) Exist

Ready | TX-XENAPPS-10 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 11:41:22

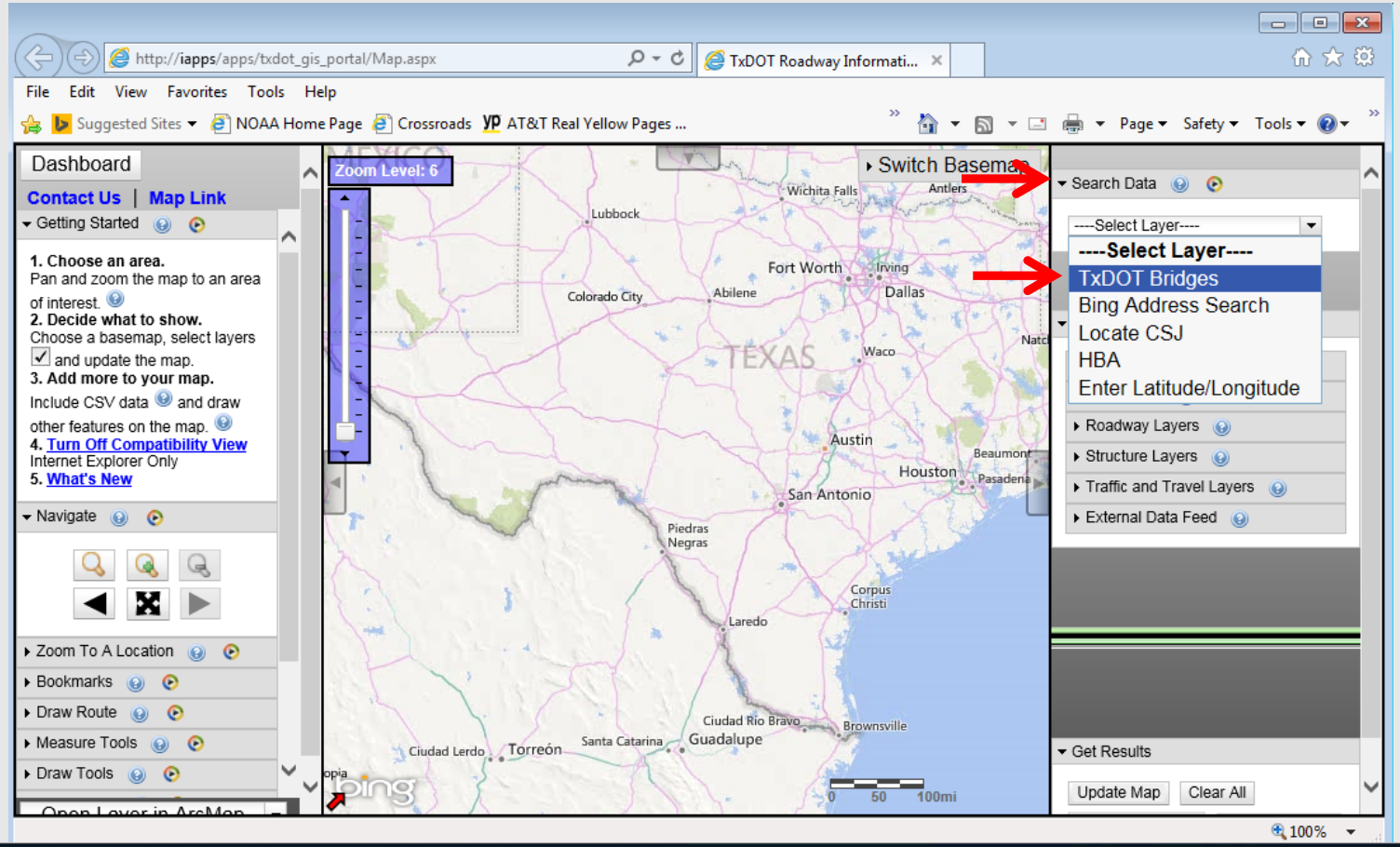
FIELD BOXES THAT APPEAR TO "PROJECT" FROM THE SCREEN CAN PERFORM ADDITIONAL TASKS. THE "MAP IT" FEATURE WILL CONNECT TO MICROSTATION'S VIRTUALEARTH.NET AND MAP THE BRIDGE AT THE STORED DATABASE COORDINATES.

BRIDGE MANAGEMENT DATABASE & VIRTUALEARTH.net

- From the “Identification” tab, the “Map It” capability will automatically connect to VirtualEarth.net and locate the bridge.

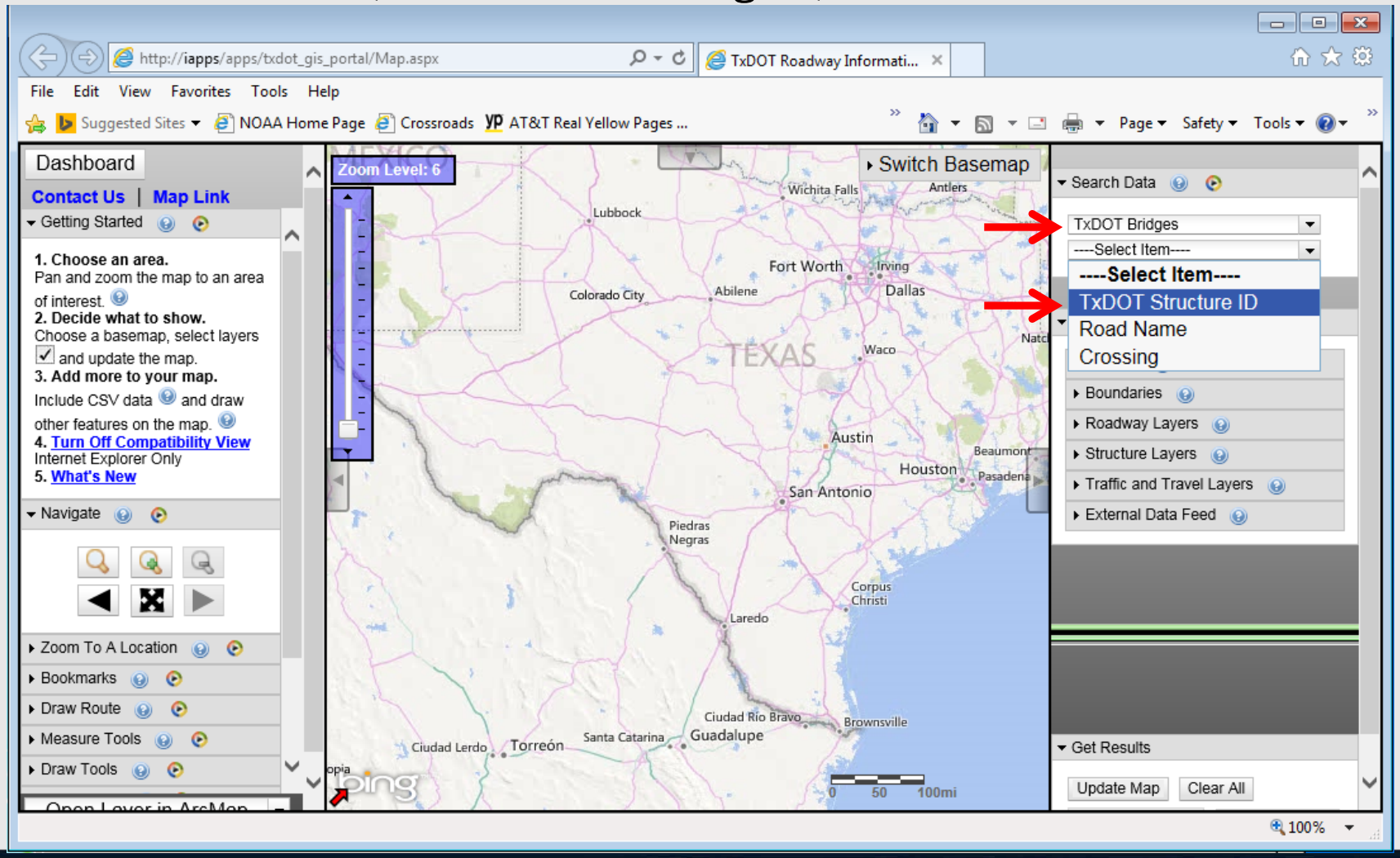
GIS_PORTAL

- An alternate way to map a bridge is through the use of GIS_Portal, otherwise known as TxDOT Roadway Information Portal (TRIP). If it is a single bridge that needs to be located - (http://iapps/apps/txdot_gis_portal/Map.aspx)



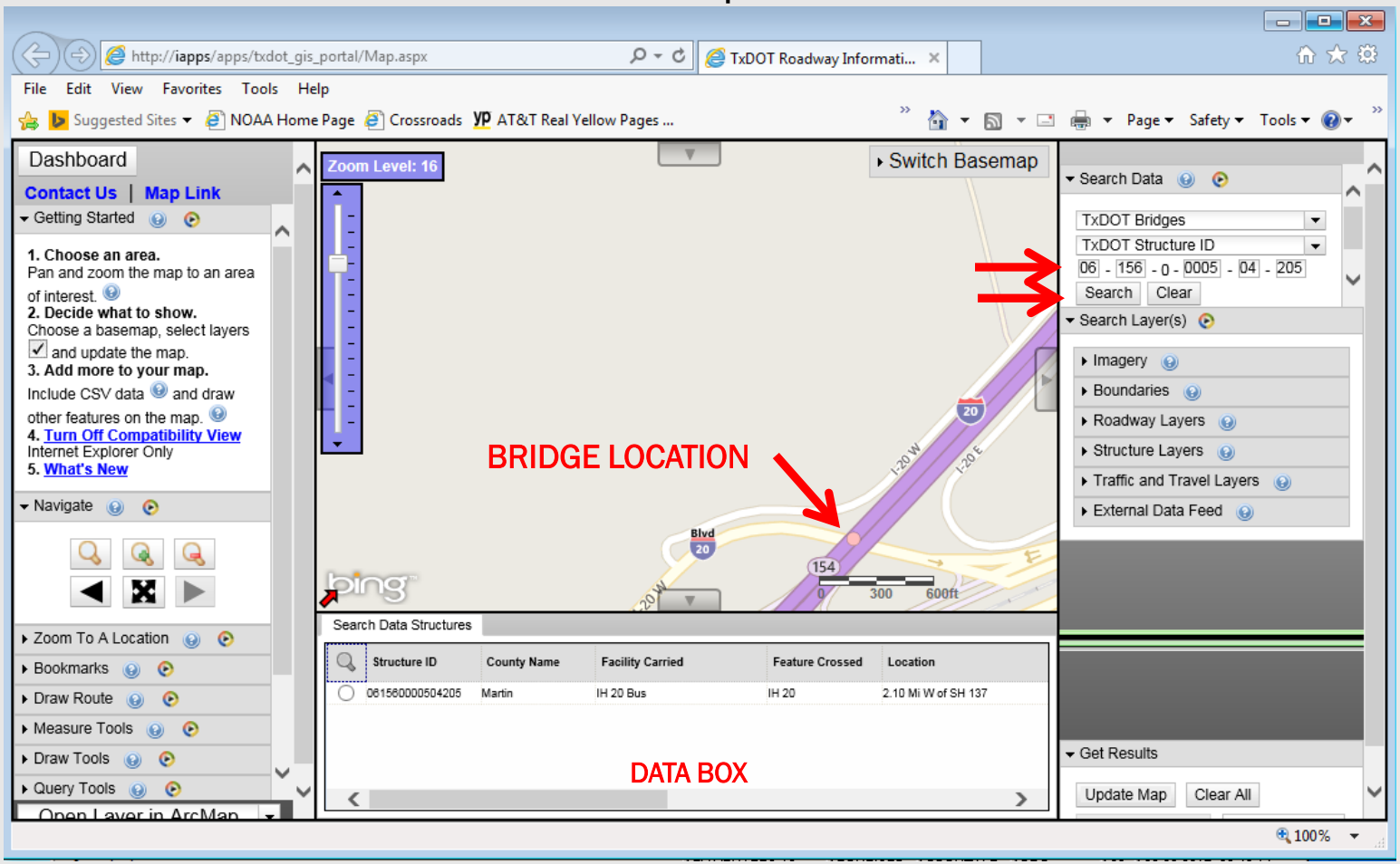
GIS_PORTAL

- Under Search Data, select “TxDOT Bridges”, “TxDOT Structure ID”.



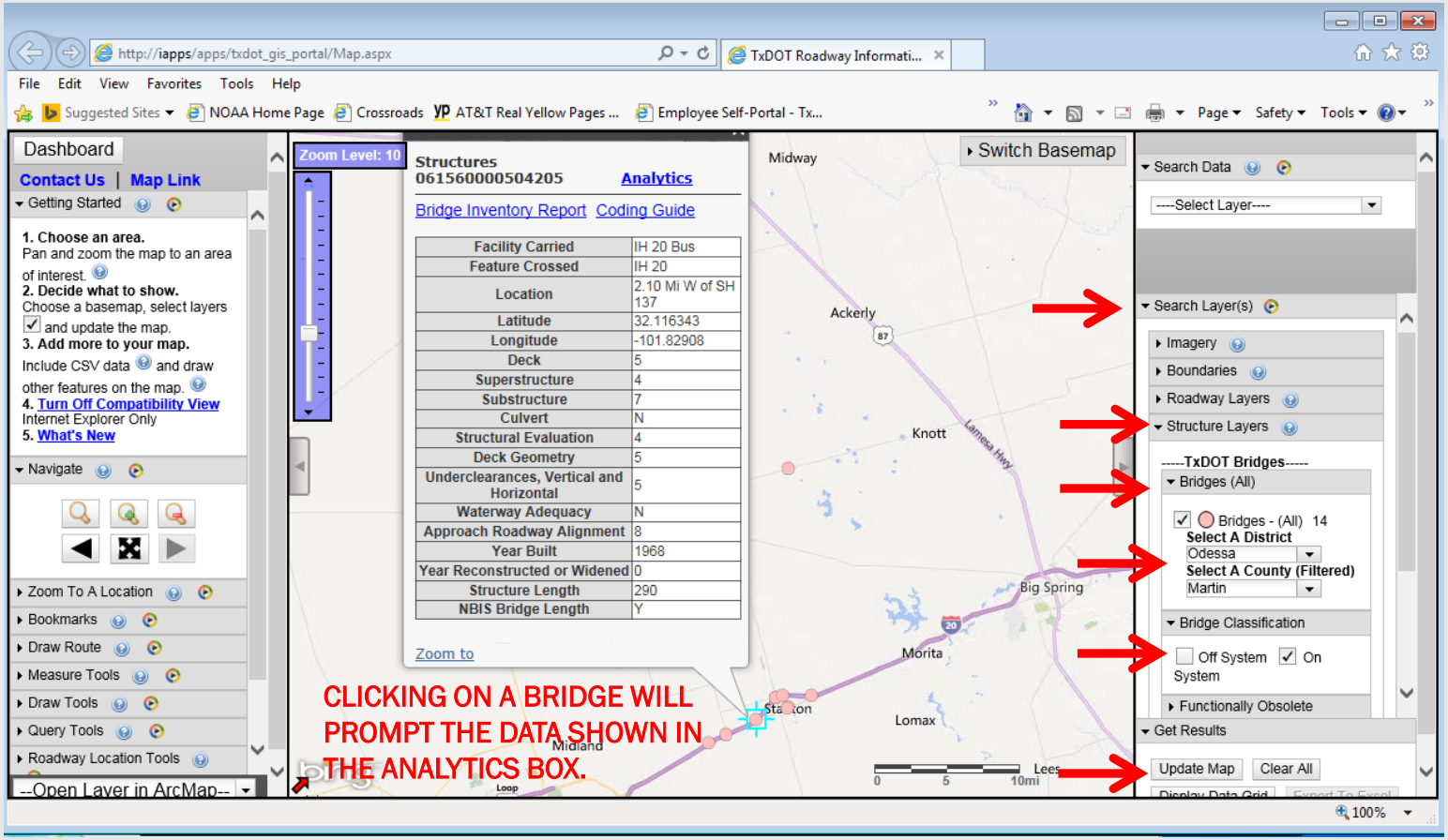
GIS_PORTAL

- Type the bridge PSN, and click on Search. The bridge plots at the inventoried coordinates and structure data is reported in the data box.



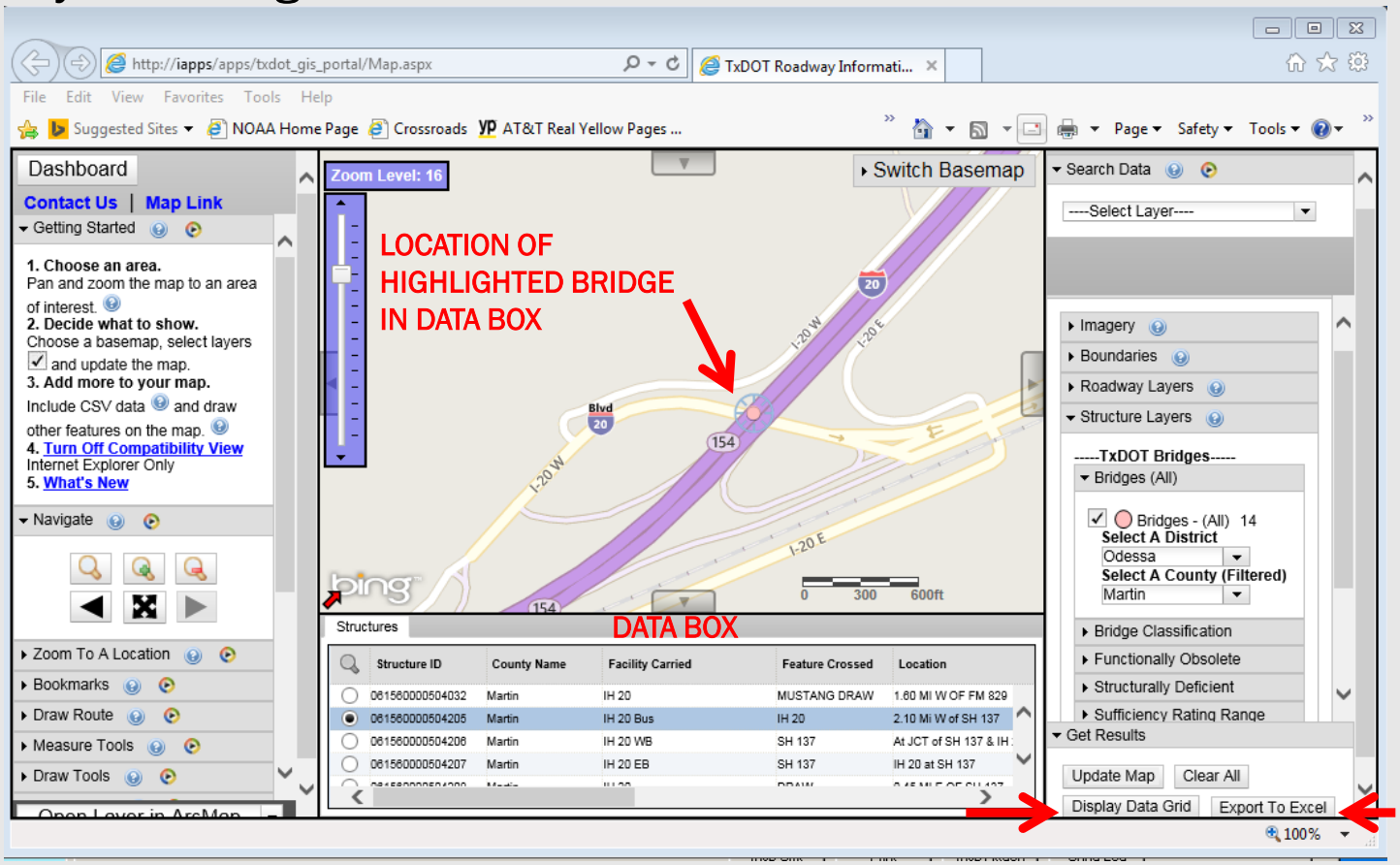
GIS_PORTAL

- An alternate way to use GIS_Portal to map bridges is to use the Search Layers, Structure Layers feature. GIS can map all the bridges for a district, or limit them to a county at a time. This screen depicts Martin County bridges.



GIS_PORTAL

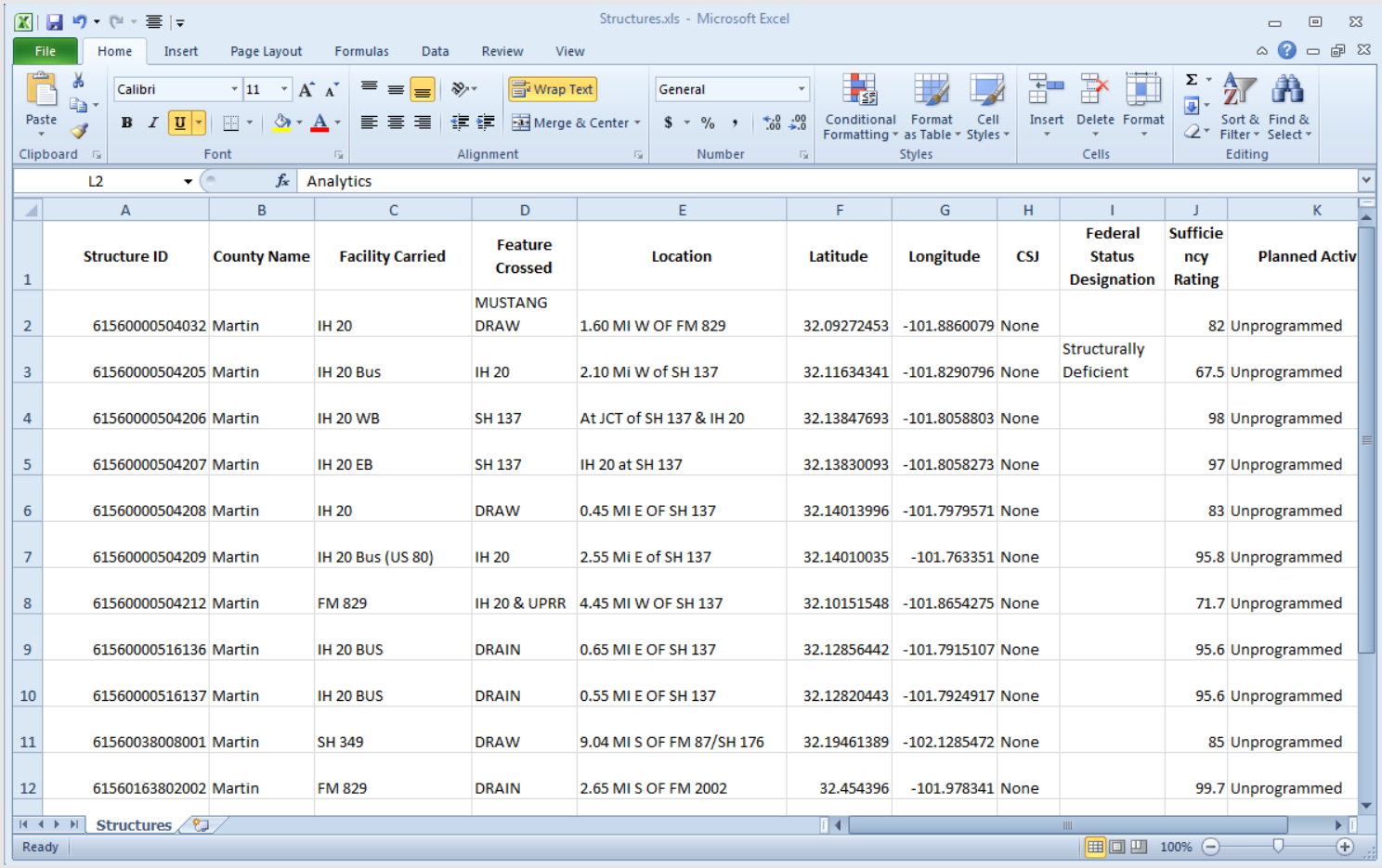
- Clicking on the “Display Data Grid” feature will prompt the data box with a listing of all bridges located within the set criteria. A single bridge may be located by activating the data line associated with the PSN of interest.



PRESS IF YOU WANT TO EXPORT DATA IN THE DATA BOX TO EXCEL.

GIS_PORTAL and EXCEL

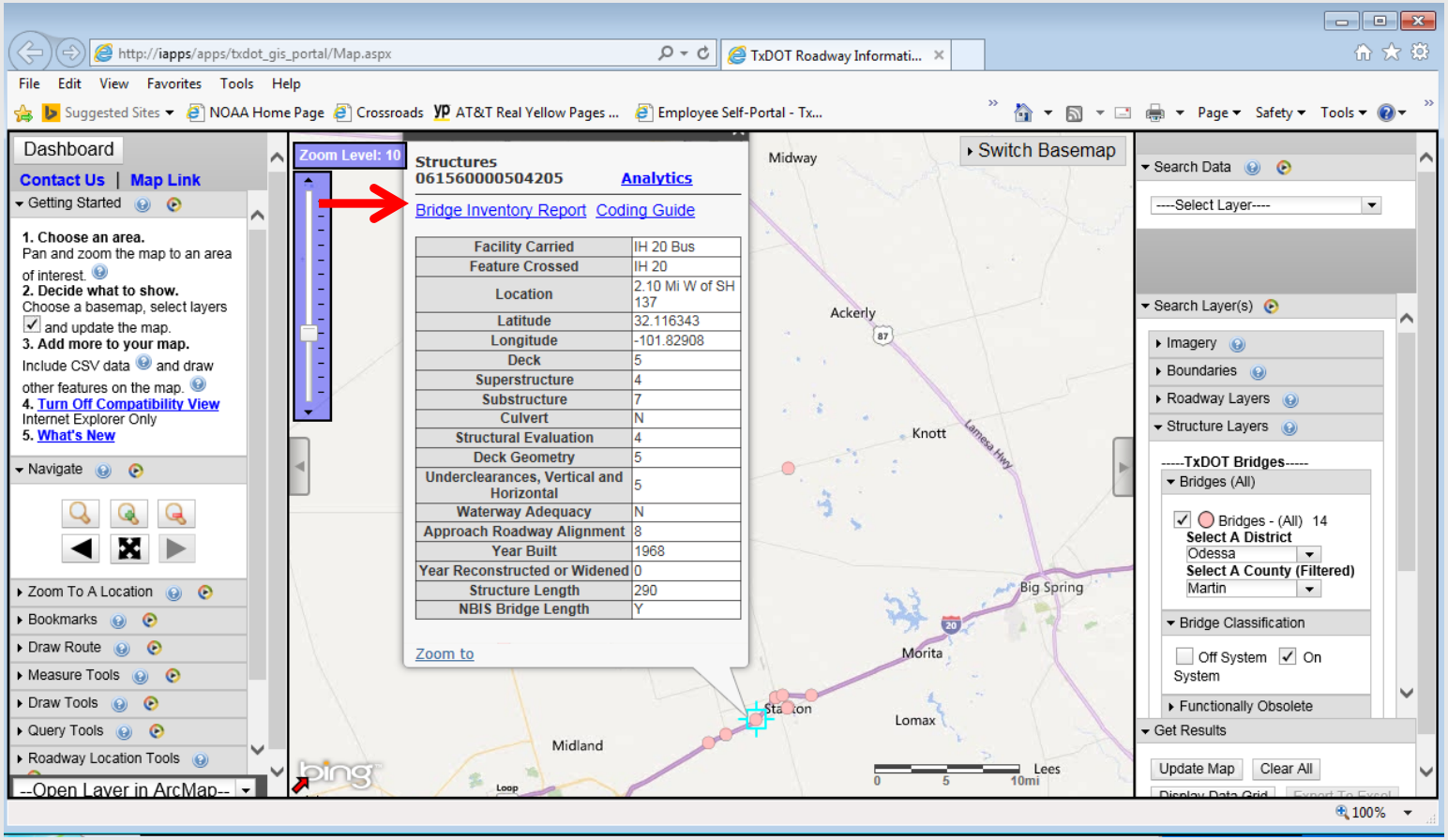
- Excel spreadsheet created directly from GIS_Portal data box.



Structure ID	County Name	Facility Carried	Feature Crossed	Location	Latitude	Longitude	CSJ	Federal Status Designation	Sufficiency Rating	Planned Activ
61560000504032	Martin	IH 20	MUSTANG DRAW	1.60 MI W OF FM 829	32.09272453	-101.8860079	None		82	Unprogrammed
61560000504205	Martin	IH 20 Bus	IH 20	2.10 Mi W of SH 137	32.11634341	-101.8290796	None	Structurally Deficient	67.5	Unprogrammed
61560000504206	Martin	IH 20 WB	SH 137	At JCT of SH 137 & IH 20	32.13847693	-101.8058803	None		98	Unprogrammed
61560000504207	Martin	IH 20 EB	SH 137	IH 20 at SH 137	32.13830093	-101.8058273	None		97	Unprogrammed
61560000504208	Martin	IH 20	DRAW	0.45 MI E OF SH 137	32.14013996	-101.7979571	None		83	Unprogrammed
61560000504209	Martin	IH 20 Bus (US 80)	IH 20	2.55 Mi E of SH 137	32.14010035	-101.763351	None		95.8	Unprogrammed
61560000504212	Martin	FM 829	IH 20 & UPRR	4.45 MI W OF SH 137	32.10151548	-101.8654275	None		71.7	Unprogrammed
61560000516136	Martin	IH 20 BUS	DRAIN	0.65 MI E OF SH 137	32.12856442	-101.7915107	None		95.6	Unprogrammed
61560000516137	Martin	IH 20 BUS	DRAIN	0.55 MI E OF SH 137	32.12820443	-101.7924917	None		95.6	Unprogrammed
61560038008001	Martin	SH 349	DRAW	9.04 MI S OF FM 87/SH 176	32.19461389	-102.1285472	None		85	Unprogrammed
61560163802002	Martin	FM 829	DRAIN	2.65 MI S OF FM 2002	32.454396	-101.978341	None		99.7	Unprogrammed

GIS_PORTAL

- If the “Bridge Inventory Report” option is clicked from the ANALYTICS data box, GIS_Portal will generate a Detail Bridge Report, more commonly referred to as the “NBI Sheet”.



GIS_PORTAL

- The information listed on the NBI sheet is “Real Time” information, the information is printed directly from the bridge database (PonTex).

1 of 1 100% Find | Next Select a format Export

STRUCTURE NUMBER: 06-156-0-0005-04-032

(006-1) Feature Crossed: MUSTANG DRAW

Texas Department of Transportation
Bridge Division
PONTEX Detail Bridge Report

9/28/2015 9:07:18 AM

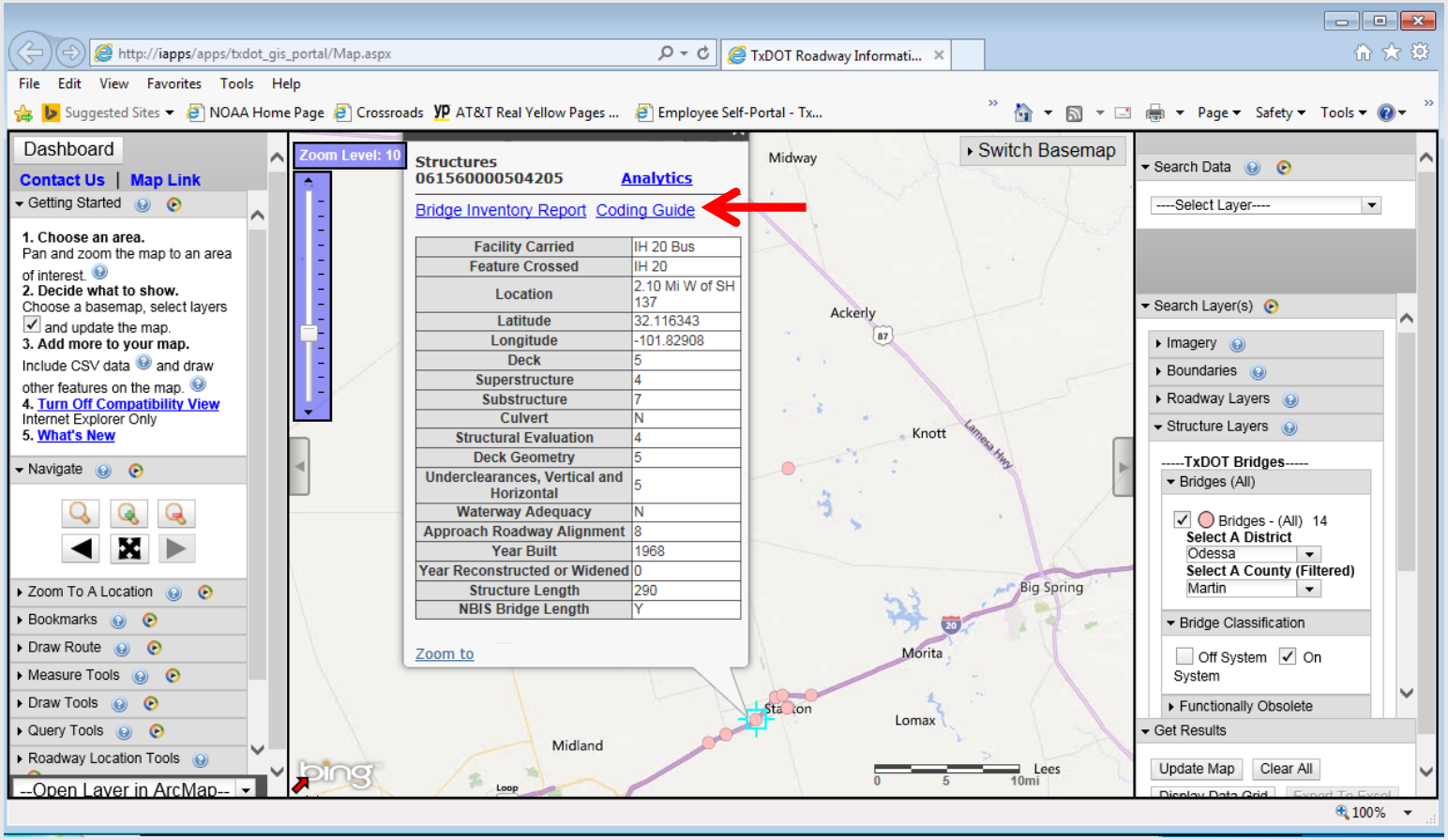
(007-0) Facility Carried: IH 20

(009-0) LOCATION: 1.60 MI W OF FM 829

ITEM #	Description	Value	ITEM #	Description	Value	ITEM #	Description	Value
005-1	STRUCTURE FUNCTION	1	045-3	NO MIN APPR SPAN		106-0	YR RECONST	1969
004-0	CITY CODE	00000	046-0	TOTAL NUBER SPANS	4	106-1	WIDENING CODE	5
005-2	HWY SYS	11	047-0	TOTAL HORIZ CLR	38	107-1	DECK STR TYPE MAIN SPAN	N
005-3	RT DESIGN	1	048-0	MAX SPAN LENGTH	10	108-1	MAINSPAN WEAR SF	NNN
005-4	HWY NO	0020	049-0	STR LENGTH	43	107-2	STR TYPE MAJ APP SP	N
005-5	ROUTE DIR	0	050-1	LEFT SIDEWALK	0	108-2	MAJ APP SPN WEAR SF	NNN
006-2	CRIT BRDG		050-2	RIGHT SIDEWALK	0	107-3	STR TYPE MIN APP SP	N
010-0	RT MIN VERT CLR	9999	051-0	ROADWAY WIDTH	0	108-3	MIN APP SPN WEAR SF	NNN
011-0	MI-POINT	00.722	052-0	DECK WIDTH	0	109-0	AADT TRK PRECENT	38
011-1	MIPT DATE (PRI)	197405	053-0	VERT CLR OV	99FT 99IN	110-0	DESIGN NATION NETWORK	1
011-2	REF-MKR and DISP	0150+00042	054-1	VERT CLR REF FEAT	N	111-0	PIER/ABUT PROTECT	
011-A1	MIPT DATE (IR)		054-2	VERT CLR UN	0 FT 0IN	112-0	NBIS BRIDGE LENGTH	Y
012-0	BASE HWY NETWORK		055-1	LAT CUR REF FEAT	N	113-0	SCOUR CRITI BRDG	8
013-1	LRS INVENTORY		055-2	RIGHT LAT CLEAR	99.90	113-1	SCOUR VULNERABILITY	
013-2	LRS SUB RT.		056-0	LEFT LAT CLEAR	0	114-0	FUTURE AADT	28040
016-0	LATITUDE (D/M/S)	32053381	058-0	DECK COND	N	115-0	FUTURE AADT YEAR	2031
016-1	GPS LAT (DEG)	32.09272453	059-0	SUPERSTR COND	N	116-0	MIN NAVIG VERT CLR	
017-0	LONGITUDE (D/M/S)	0101530963	060-0	SUBSTR COND	N	119-0	COST ORIGIN CONSTR	
017-1	GPS LONG (DEG)	-10.188600792	061-0	CHANN-PROTECT	7	120-0	DEFI / OBSO / 10YR RULE	
017-2	COLLECTION METHOD	4	062-0	CULVERT	6	121-0	SUFF RATING	82
019-0	BYPASS LENGTH	0	063-0	METHOD OPR RATING	5	122-0	X-REF PRIMARY RT ID	
020-0	TOLL	3	064-0	OPERATIONAL RATING	249	123-0	X-REF STR FUNC PRIMARY RT	
021-0	MAINT RESPON	01	065-0	RDWY APPR COND	7	124-0	X-REFIR ID	
022-0	OWNER	01	065-1	METHOD INV RATING	5	125-0	X-REF STR FUNC IR	
022-1	MAINT SECT NO	11	066-0	INVENTORY RATING	236	126-0	DIST USE	
023-1	PROJECT TYPE	1	067-0	STR EVALUATION	6	128-0	OV HEIGHT DAMAGE	
023-2	CONT / SEC / JOB	000504023	068-0	DECK GEOMETRY	N			
026-0	FUNCT. CLASS	01	069-0	JUD CLR VERT / HORZ	N	008-4A	IR CONTROL	
027-0	YR ORIGIN BUILT	1954	070-0	BRIDGE POSTING	5	008-5A	IR SECTION	
028-1	LANES ON STR	04	071-0	WATERWAY ADQEUACY	9	011-0A	IR MILEPOINT	
028-2	LANES UNDER STR	00	072-0	APPR RDWY ALIGN	8	008-6A	IR STR NO	
029-0	AADT	15450	075-0	TYPE WORK-REPLACE		008-3A	IR DUPL OVER	
030-0	YR OF AADT	2011	076-0	LENGTH IMPROVEMENT	0	005-1A	IR FUNCTION	
031-0	DESIGN LOAD	5	088-0	ST-FRAC-CRIT/STEEL	NNNN	005-3A	IR DESIGNAT	
032-0	APPROACH WIDTH	76	090-0	LAST INSP(MMDDYYYY)	7/18/2014	005-2A	IR HWY SYS	
033-0	MEDIAN	2	091-0	DESIGNAT INSP FREQ	24	005-4A	IR HWY NO	
034-0	SKEW	0	092-1	FRACT/CRITI DETIAL	N	005-5A	IR DIR	
035-0	STR F:AGGED	0	092-2	UNDERWATER INSP	N	011-2A	IR REF-MKR/DISP	

GIS_PORTAL

- Clicking on the Coding Guide option will connect to the current version of the database Coding Guide.



GIS_PORTAL

- Clicking on the “Coding Guide” option will connect to the current version of the database Coding Guide which explains each of the items listed on the “NBI Sheet” and guides a database User on how to code each item.

CODING GUIDE

GENERAL

This Coding Guide is used to interpret and maintain data in the computerized Bridge Inventory, Inspection and Appraisal Files. The interpretation of this coding guide will apply to both ON- and Off-system bridge data. The Bridge Inspection Database contains a record for each Bridge Class Structure (See definition of structures, Item 112) and tunnel on public roadways in Texas. Bridge Inventory, Inspection and Appraisal data is also used to update the National Bridge Inspection File (NBI) in Washington.

DATA QUALITY CANNOT BE OVEREMPHASIZED. The data in the Bridge Inventory, Inspection and Appraisal Files must be kept in as up-to-date condition as possible. Requirements for Bridge Inventory, Inspection and Appraisal data are that an inspection that reflects changes to existing structure data must be updated within 90 days of the evaluation or inspection that denotes the change in status. Newly built or rehabilitation projects are to be reported within 90 days of job completion. **Note: (SR) in the right margin means that item number is used in the Sufficiency Calculation. See the CICS BRISUF calculation in the Appendix for more information.**

CODING INSTRUCTIONS

When coding on a disk input or using a coding form, the following rules should apply:

(1) Use one character per space. *Complete* all data items for each bridge when adding new records. **Before loading transactions, perform a virus scan of any disks received from outside sources.**

(2) Use alpha characters only in the fields where specified, and use capital letters.

(3) Complete coding for each item and column entirely; justify right or left. Read and follow coding instruction for the item number being coded.

BRIDGE MANAGEMENT DATABASE

- BACK TO PONTEX - The following slides consist of screen shots of the bridge tabs identifying information that is probably most useful to Read-Only Users.

PonTex

File Edit Reports Tools Help

Structure Number: 06-156-0-0005-04-205 Find Item: 002.0 District

Programming | Clearance | Bridge Entry

Bridge Set | Identification | Geometry | Structure | Loading | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Structure Identification:

Structure Number: 061560000504205
Name:
District Notes (126):
Bridge Description: 4 - Span Continuous Steel I-Beam Bridge on C

Location:

District (2): 06
County (3): 156
Control (8.4): 0005
Section (8.5): 04
Permanent Bridge Number (8.6): 205
City Code (4): 00000
Feature Intersected (6.1): IH 20
Facility Carried (7): IH 20 Bus
Location (9): 2.10 Mi W of SH 137
GPS Latitude (16.1): 32.11634341 | 32° 06' 58.84"
GPS Longitude (17.1): 101.82907963 | 101° 49' 44.69"
Collection Method (17.2): 4-Generated from reference marker data

06-156-0-0005-04-205 | A | Active

Age and Service:

Year Built (27): 1968
Year Reconstructed (106): 0000
Widening Code (106.1): 0-No widening or not applicable
Type of Service On (42.1): 1-Highway (highway stream crossing
Type of Service Under (42.2): 1-Highway, with or without pedestrian

Management:

Maintenance Responsibility (21): 01-State Highway Agency
Owner (22): 01-State Highway Agency
System Designation: 1-On System
Maintenance Section Number (22.1): 11
Project Type (23.1): 1-Federal Aid (F.A.)
Neighboring State Code (98.1): Blank-Not BorderBridge
Percent Responsibility (98.2):
Border Bridge Structure Number (99):
CSJ When Built (23.2): 0005 | 04 | 019
Historical Significance (37): 3-Not eligible for NRHP listing
NBIS Bridge Length (112): Y-Yes
Land-Locked: Insp Dist: 06

Bridge Cmt | Map It! | Bridge Attach | Attachment(s) Exist

Ready | TX-XENAPPS-10 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 11:41:22

BRIDGE MANAGEMENT DATABASE

PonTex

File Edit Reports Tools Help

Structure Number: 06-156-0-0005-04-205 **Find Item:** 002.0 District

Programming | Clearance | Bridge Entry

Bridge List | Identification | Geometry | Structure | Loading | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Deck:

Bridge Median (33):	0-No medians
Skew (34):	30
Structure Flared (35):	0-No Flare
Left Sidewalk Width (50.1):	0.0
Right Sidewalk Width (50.2):	0.0
Approach Roadway Width (32):	33
Bridge Roadway Width (51):	32.9
Deck Width Out-to-Out (52):	35.3
Lanes On Structure (28.1):	02
Lanes Under Structure (28.2):	05

Vertical Clearance:

Minimum Vertical Clearance Over Bridge Deck (53):	9999	ft / in
Minimum Vertical Underclearance Reference Feature (54.1):	H-Highway beneath structure	
Minimum Vertical Underclearance (54.2):	1511	ft / in

Lateral Clearance:

Minimum Lateral Underclearance on Right Reference Feature (55.1):	H-Highway beneath structure
Minimum Lateral Underclearance on Right (55.2):	11.5
Minimum Lateral Underclearance on Left (56):	20.6

Navigation:

Navigation Control (38):	N-Not applicable, no waterwa
Navigation Vertical Clearance (39):	0
Navigation Horizontal Clearance (40):	0
Minimum Navigation Vertical Clearance Vertical Lift Bridge (116):	

06-156-0-0005-04-205

Bridge Cmt | Bridge Attach | Attachment(s) Exist

nvf_set_bridge_protection: READ | TX-XENAPPS-9 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 14:18:41

BRIDGE MANAGEMENT DATABASE

PonTex

File Edit Reports Tools Help

Structure Number: 06-156-0-0005-04-205 **Find Item:** 002.0 District

Programming | Clearance | Bridge Entry

Bridge List | Identification | Geometry | **Structure** | Loading | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Span Configuration:

Total Number of Spans (46): 4 Number of Major Approach Spans (45.2): Maximum Span Length (48): 85

Number of Main Spans (45.1): 4 Number of Minor Approach Spans (45.3): Structure Length (49): 290

		Main Span		Major Approach Span		Minor Approach Span
Superstructure						
Superstructure Type	(43.1.1):	2-Continuous	(43.2.1):	Blank-Not Applicable	(43.3.1):	Blank-Not Applicable
Roadway Type	(43.1.2):	1-Deck	(43.2.2):	Blank-Not Applicable	(43.3.2):	Blank-Not Applicable
Member Type	(43.1.3):	11-Steel I-Beam	(43.2.3):	Blank-Not Applicable	(43.3.3):	Blank-Not Applicable
Substructure						
Above Ground Type	(44.1.1):	3-Multiple Column Bent	(44.2.1):	Blank-Not Applicable	(44.3.1):	Blank-Not Applicable
Below Ground Type	(44.1.2):	4-Drilled Shafts	(44.2.2):	Blank-Not Applicable	(44.3.2):	Blank-Not Applicable
Bent Cap Type	(44.1.3):	1-Concrete	(44.2.3):	Blank-Not Applicable	(44.3.3):	Blank-Not Applicable
Deck						
Structure Type	(107.1):	1-Concrete Cast-in-Place	(107.2):	N-Not Applicable or Non-vehic	(107.3):	N-Not Applicable or Non-vehic
Wearing Surface Type	(108.1.1):	6-Bituminous	(108.2.1):	N-Not Applicable	(108.3.1):	N-Not Applicable
Membrane Type	(108.1.2):	8-Unknown	(108.2.2):	N-Not Applicable	(108.3.2):	N-Not Applicable
Protection	(108.1.3):	8-Unknown	(108.2.3):	N-Not Applicable	(108.3.3):	N-Not Applicable

Culvert / Tunnel

Culvert Span Type (43.4.1): Blank-Not Applicable

Culvert Main Member Type (43.4.2): Blank-Not Applicable

Tunnel Type (43.5): Blank-Not Applicable

06-156-0-0005-04-205

Bridge Cmt | Bridge Attach | Attachment(s) Exist

nvf_set_bridge_protection: READ | TX-XENAPPS-9 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 14:21:26

BRIDGE MANAGEMENT DATABASE

PonTex

File Edit Reports Tools Help

Structure Number: 06-156-0-0005-04-205 **Find Item:** 002.0 District

Programming | Clearance | Bridge Entry

Bridge List | Identification | Geometry | Structure | **Loading** | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Status:

Operational Status (41): A-Open, No Restriction

Load Restriction Code (41.1): N-Not Applicable

Load Restriction (41.2): NNN 1000 lbs.

Last Load Rating Inspection Date: 01/01/1900 mm/dd/yyyy

Loading:

Design Load (31): 5-HS 20

Operating Rating Method (63): 1-Load Factor (LF)

Operating Rating Type of Loading (64.1): 2-HS Loading

Operating Rating Gross Loading (64.2): 45 tons

Inventory Rating Method (65.1): 1-Load Factor (LF)

Inventory Rating Type of Loading (66.1): 2-HS Loading

Inventory Rating Gross Loading (66.2): 27 tons

Bridge Posting (70): 5-Equal to or above legal loads

06-156-0-0005-04-205

Bridge Cmt | Bridge Attach | Attachment(s) Exist

nvf_set_bridge_protection: READ | TX-XENAPPS-9 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 14:24:09

- Inventory Route is the roadway on which the bridge is located.

PonTex

File Edit Reports Tools Help

Structure Number: 06-156-0-0005-04-205 **Find Item:** 002.0 District

Programming | Clearance | Bridge Entry

Bridge List | Identification | Geometry | Structure | Leasing | **Inventory Route** | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Route Information:

Structure Function (5.1): 2-Single route goes "Under" the
Inventory Route System(5.2): 11-Interstate Highway
Designated Level of Service (5.3): 1-Mainlane (service roads and ra
Route Number (5.4): 0020
Directional Suffix (5.5): 0-Not Applicable
Route Suffix (5.6): 0
Toll Facility (20): 3-On free road. The structure is t
Inventory Route Functional Classification (26): 01-Interstate Rural 0-4K Pop
Minimum Vertical Clearance (10): 1607 ft / in
Total Horizontal Clearance (47): 51.5

Traffic Information:

Inventory Milepoint (11): 04.466
Inventory Route Milepoint Date (11.1): 197405
Reference Marker and Displacement (11.2): 0153 +00812
Direction of Traffic (102): 2-way traffic
Parallel Structure Designation (101): N-No parallel structure exists.
Temporary Structure Designation (103): (blank)-No Temporary Structure
Bypass, Detour Length (19): 00
AADT (29): 11320
Year of AADT (30): 2011
AADT Truck Percent (109): 40
Future AADT (114): 15850
Year of Future AADT (115): 2031

Federal Systems Classification:

Base Highway Network (12):
LRS Inventory Route (13.1):
Subroute Number (13.2):
STRAHNET Highway Designation (100): 1-The route is on a Interstate STF
National Highway System Designation (104): 1-The Route is on the NHS
Federal Lands Highway (105): 0-Not applicable
Nation Network Designation (110): 1-The route is part of the nationa

06-156-0-0005-04-205 | 1 | A Active

Bridge Cmt | Bridge Attach | Attachment(s) Exist

nvf_set_bridge_protection: READ | TX-XENAPPS-9 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 14:31:31

BRIDGE MANAGEMENT DATABASE

- The data listed on the “Intersecting Route” tab represents the data for the intersecting feature at an overpass/underpass; it DOES NOT represent data for the Inventory Route.

PonTex

File Edit Reports Tools Help

Structure Number: 06-156-0-0005-04-205 **Find Item:** 002.0 District

Programming | Clearance | Bridge Entry

Bridge List | Identification | Geometry | Structure | Loading | Inventory Route | **Intersecting Route** | Inspection & Appraisal | Element Condition | Components

Route Information:

Control (8.4A): 0005 Section (8.5A): 16 Bridge (8.6A): 205

Structure Function (5.1A): 1-Route carried "On" the structur

Intersecting Route System(5.2A): 25-Business Interstate

Designated Level of Service (5.3A): 6-Business

Route Number (5.4A): 0020

Directional Suffix (5.5A): 0-Not Applicable

Route Suffix (5.6A): F

Toll Facility (20A): 3-On free road. The structure is l

Intersecting Route Functional Classification (26A): 04-Major 0-4K Pop

Minimum Vertical Clearance (10A): 9999 ft / in

Total Horizontal Clearance (47A): 32.9

Traffic Information:

Intersecting Milepoint (11A): 05.327

Intersecting Route Milepoint Date (11.1A): 197405

Reference Marker and Displacement (11.2A): 0338 +00127

Direction of Traffic (102A): 2-way traffic

Parallel Structure Designation (101A): N-No parallel structure exists.

Temporary Structure Designation (103A): (blank)-No Temporary Structure

Bypass, Detour Length (19A): 04

AADT (29A): 1210

Year of AADT (30A): 2015

AADT Truck Percent (109A): 9

Future AADT (114A): 1840

Year of Future AADT (115A): 2035

Federal Systems Classification:

Base Highway Network (12A):

LRS Inventory Route (13.1A):

Subroute Number (13.2A):

STRAHNET Highway Designation (100A): 0-The route is not a STRAHNET i

National Highway System Designation (104A): 0-The Route is not on the NHS

Nation Network Designation (110A): 1-The route is part of the nationa

06-156-0-0005-04-205 | 2 | A Active

Bridge Cmt | Bridge Attach | Attachment(s) Exist

nvf_set_bridge_protection: READ | TXXENAPPS-9 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 14:34:43

BRIDGE MANAGEMENT DATABASE

- The “Inspection & Appraisal” tab provides structural data for the major bridge components and basic bridge rail/approach MBGF information.

PonTex

File Edit Inspection Reports Tools Help

Structure Number: 06-156-0-0005-04-205 Find Item: 002.0 District

Programming | Clearance | Bridge Entry

Bridge List | Identification | Geometry | Structure | Loading | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Attachment(s) Exist

Schedule:

	Required Y / N:		Frequency:		Last Date:	
Routine Inspection:		(91):	24	mos	(90): 8/7/2013	mm/dd/yyyy
Fracture Critical Inspection / Req (92.1.1):	N-No	(92.1.2):		mos	(93.1):	mmyyyy
Underwater Inspection / Req (92.2.1):	N-No	(92.2.2):		mos	(93.2):	mmyyyy
Other Special Inspection / Req (92.3.1):	N-No	(92.3.2):		mos	(93.3): 032014	mmyyyy

Special Flags:

Underwater Inspection (88.1): N-Underwater inspec
Fracture Critical Areas (88.2): NN-Structure without
Steel Type (88.3): 2-Some or all expose
Year Steel Painted (88.4): 1968

Condition Ratings:

Deck Condition (58): 5-FAIR CONDITION
Superstructure Condition (59): 4-POOR CONDITION
Substructure Condition (60): 7-GOOD CONDITION
Channel Condition (61): N-NOT APPLICABLE
Culvert Condition (62): N-NOT APPLICABLE

ALL STRUCTURAL DATA FIELDS.

Other Special Inspection **Approved**

06-156-0-0005-04-205 | 0011 | OS | 1 | 0 | A | D [redacted]

Appraisal Ratings - Entered:

Traffic Safety Bridge Railings (36.1): 1-Meet Current Accepta
Traffic Safety Transitions (36.2): 0-Does Not Meet Curre
Traffic Safety Approach Guardrail (36.3): 0-Does Not Meet Curre
Traffic Safety Approach Guardrail Ends (36.4): 0-Does Not Meet Curre
Roadway Approach Condition (65): 7-GOOD CONDITION
Waterway Adequacy (71): N-Not Applicable
Approach Roadway Alignment (72): 8-No Speed Reduction
Navigation Pier or Abutment Protection (111): Blank-Not Applicable
Scour Critical (113): N-Bridge Not Over Wat
Scour Plans of Action / Unknown Foundations (113.1): Blank-Not Applicable
Over Height Damage (128): Y-Damage to beam(s)

Appraisal Ratings - Calculated:

Structure Evaluation (67): 4-Meets Minimum Tolerabl
Deck Geometry (68): 5-Better than Minimum Tol
Vertical and Horizontal Underclearances (69): 5-Better than Minimum Tol
Structurally Deficient /Functionally Obsolete (120): D
Sufficiency Rating (121): 67.5

Insp Cmt | Print | Insp Attach | Chng Log

nvf_set_bridge_protection: READ | TX-XENAPPS-9 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 15:01:45

BRIDGE MANAGEMENT DATABASE

- The “Element Condition” tab records the condition rating for elements that make up the bridge. These are recorded by span.

PonTex

File Edit Reports Tools Help

Structure Number: 06-156-0-0005-04-205 **Find Item:** 002.0 District

Programming | Clearance | Bridge Entry

Bridge List | Identification | Geometry | Structure | Loading | Inventory Route | Intersecting Route | Inspection Subjectivel | Element Condition | Components

TxDOT Elements | NBI Conditions | CCS Measurement

Inspection Record - Field Inspection and Coding TxDOT Elemental Data

Structure: 06-156-0-0005-04-205 **Description:** 4 - Span Continuous Steel I-Beam Bridge on Concretete Bents
Location: 2.10 Mi W of SH 137 **Company:** Texas Department of Transportation
Facility: IH 20 Bus **Inspector:** Evans Kessey **Inspection Date:** 08/07/2013
Length: 290 **Width:** 35.3 **Area:** 10237 sq. ft. **Inspection:** 06-156-0-0005-04-205:0011-OS-1-0

S/B	Element	Cmt / SF	Description	Units	Total	Cond 1	Cond 2	Cond 3	Cond 4	Cond 5
Ap1	272		Rip Rap Slope Protection - Reinforced Concrete	EA	1	1				
Ap1	321		Approach Slab - Reinforced Concrete	EA	1	1				
Ap1	340		Approach Rail - Metal	LF	300	300				
Ab1	215		Abutment - Reinforced Concrete	LF	40	36	4			
Ab1	270		Wing Wall - Reinforced Concrete	EA	2	2				
Ab1	301		Pourable Joint Seal	LF	38	38				
Ab1	310		Elastometric Bearing	EA	5	5				
S1	12.1	SF	Conventionally Formed	EA	1			1		
S1	61		Two-Course Surface Treatment	EA	1		1			
S1	107	SF	Steel Girder, Riveted or Rolled Beam - Painted Steel	LF	300	290		10		

Smart Flags (SF):

S/B	Element	Description	Units	Total	Cond 1	Cond 2	Cond 3	Cond 4	Cond 5

General Comments: (60' - 85' - 85' - 60')

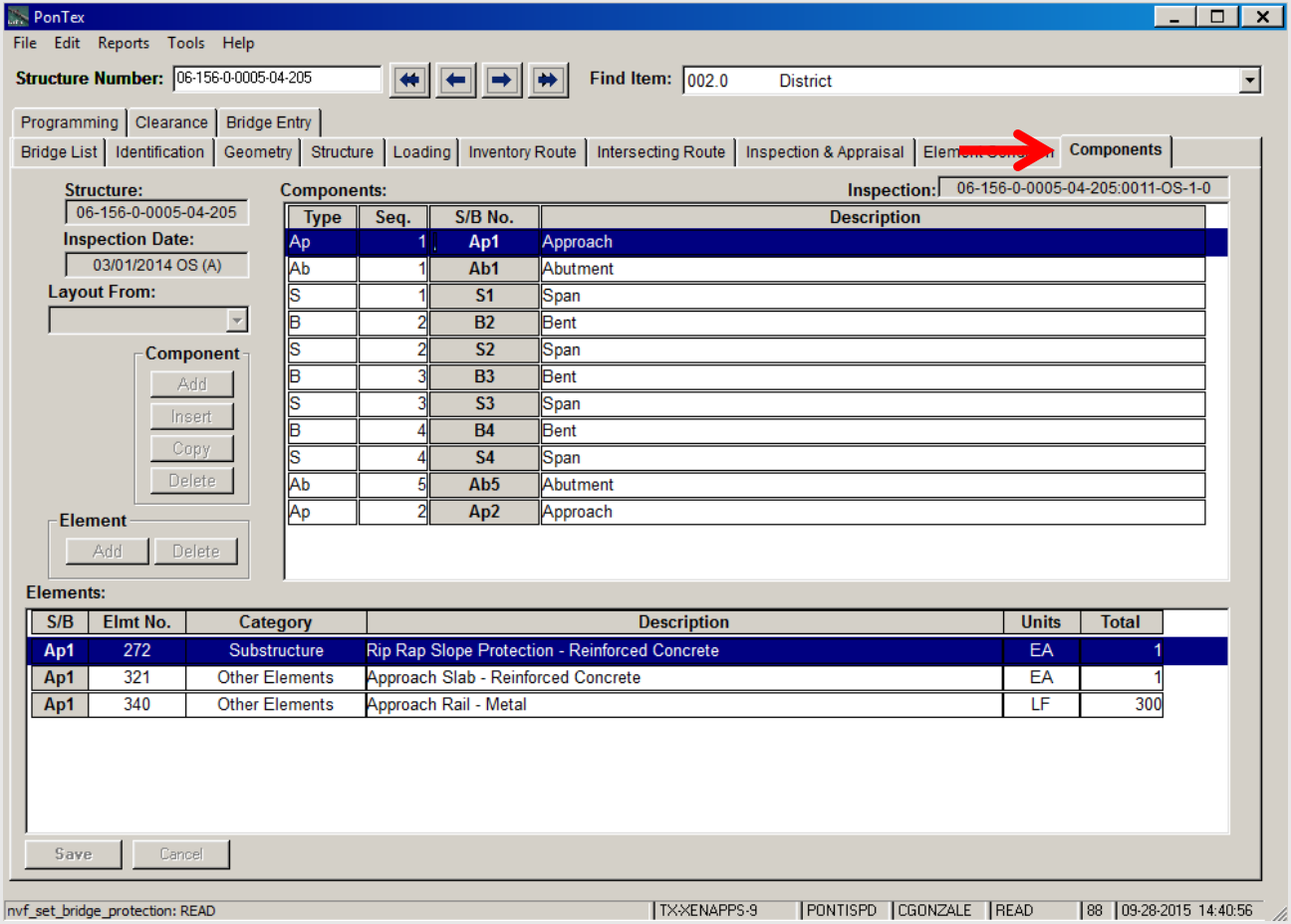
Elemental Comments (Cmt):

Save | Cancel | Add Smart Flag | Delete Smart Flag | Add Comment | Edit Comment | Delete Comment | Condition Desc | Spell Check

nvf_set_bridge_protection: READ | TXXENAPPS-9 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 14:40:19

BRIDGE MANAGEMENT DATABASE

- The “Component” tab defines the acronyms used to identify the components that make up the bridge elements.



BRIDGE MANAGEMENT DATABASE – UPLOADED DOCUMENTS

- An important feature of the current database is the ability to upload documents. Loaded documents are grouped into “Inspection Attachments” or “Bridge Attachments”. “Inspection Attachments” includes data that is prone to change and is collected and reported during each inspection cycle. “Bridge Attachments” includes data and documents that does not typically change, for example, construction plans or a scour analysis.
- “Bridge Attachments” can be accessed from either the “Identification”, “Geometry”, “Structure”, “Loading”, “Inventory”, or “Intersecting Route” tabs.
- “Inspection Attachments” can only be accessed from the “Inspection & Appraisal” tab.
- The source of information used to saturate, or substantiate, the data in the database comes from these documents that are uploaded.

BRIDGE MANAGEMENT DATABASE

- From the “Identification” tab, click on the “Bridge Attach” feature.

PonTex

File Edit Reports Tools Help

Structure Number: 06-156-0-0005-04-205 Find Item: 002.0 District

Programming | Clearance | Bridge Entry

Identification | Geometry | Structure | Loading | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Structure Identification:

Structure Number: 061560000504205
Name:
District Notes (126):
Bridge Description: 4 - Span Continuous Steel I-Beam Bridge on C

Location:

District (2): 06
County (3): 156
Control (8.4): 0005
Section (8.5): 04
Permanent Bridge Number (8.6): 205
City Code (4): 00000
Feature Intersected (6.1): IH 20
Facility Carried (7): IH 20 Bus
Location (9): 2.10 Mi W of SH 137
GPS Latitude (16.1): 32.11634341 32° 06' 58.84"
GPS Longitude (17.1): 101.82907963 101° 49' 44.69"
Collection Method (17.2): 4-Generated from reference marker data

06-156-0-0005-04-205 A Active

Age and Service:

Year Built (27): 1968
Year Reconstructed (106): 0000
Widening Code (106.1): 0-No widening or not applicable
Type of Service On (42.1): 1-Highway (highway stream crossing
Type of Service Under (42.2): 1-Highway, with or without pedestrian

Management:

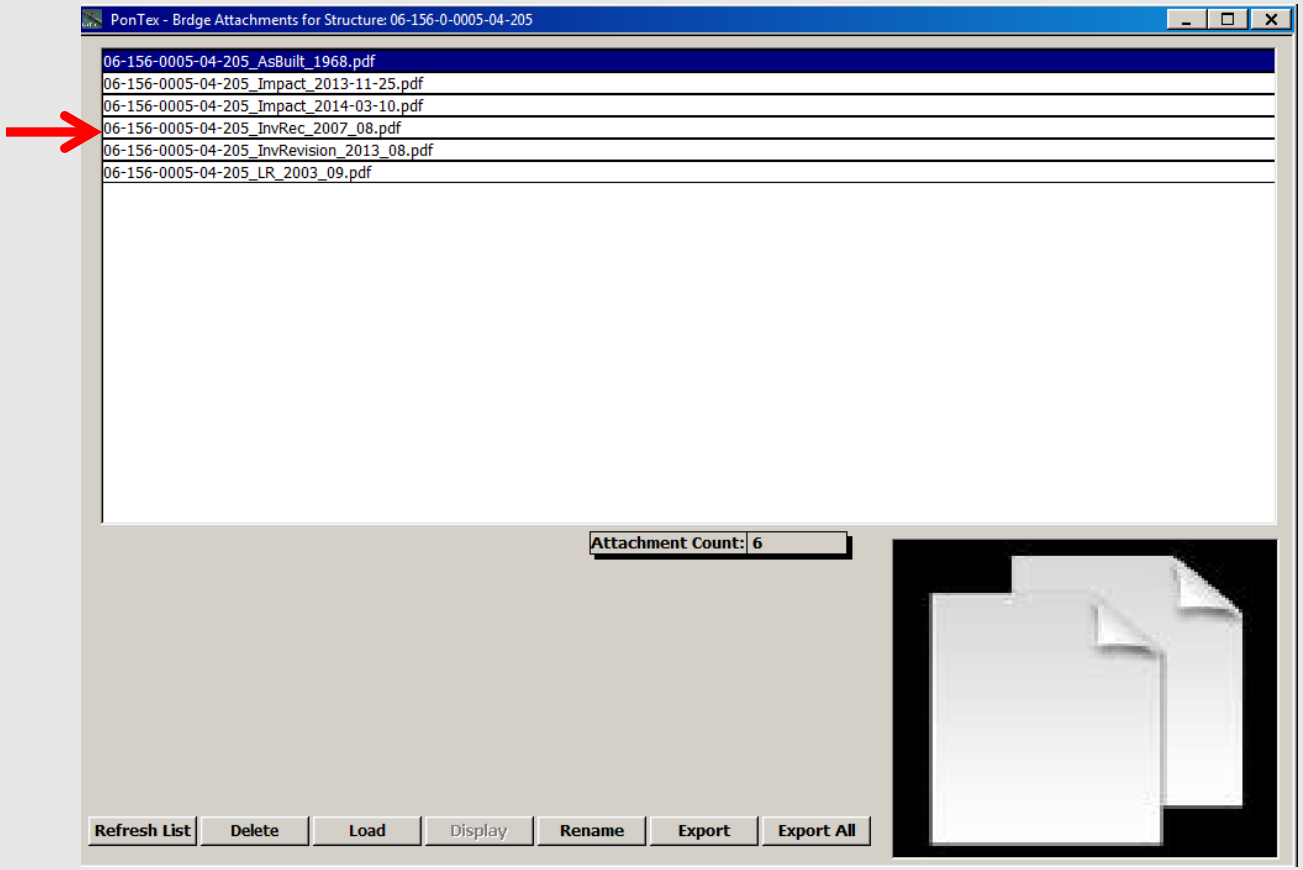
Maintenance Responsibility (21): 01-State Highway Agency
Owner (22): 01-State Highway Agency
System Designation: 1-On System
Maintenance Section Number (22.1): 11
Project Type (23.1): 1-Federal Aid (F.A.)
Neighboring State Code (98.1): Blank-Not BorderBridge
Percent Responsibility (98.2):
Border Bridge Structure Number (99):
CSJ When Built (23.2): 0005 04 019
Historical Significance (37): 3-Not eligible for NRHP listing
NBIS Bridge Length (112): Y-Yes
Land-Locked: Insp Dist: 06

Bridge Cmt | Bridge Attach | Attachment(s) Exist

Ready | TX-XENAPPS-10 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 11:41:22

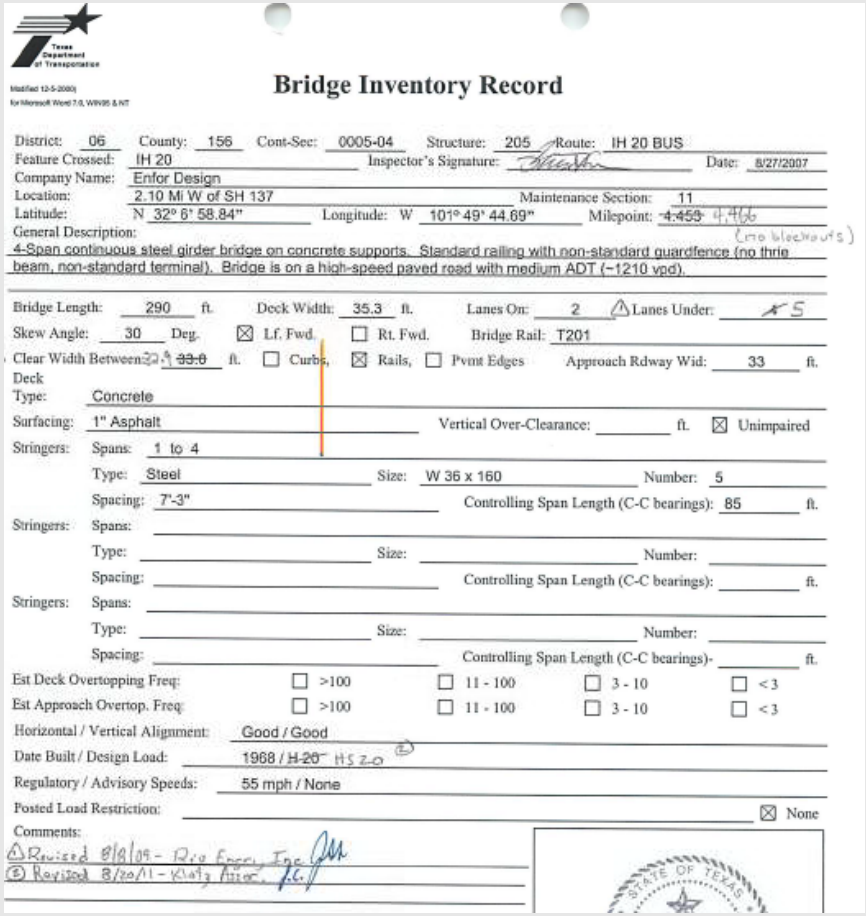
BRIDGE MANAGEMENT DATABASE

- A window listing the available documents that have been uploaded to the database becomes available. The User can scroll down the list and double clicking on the document of interest will open it.



BRIDGE MANAGEMENT DATABASE

- The Inventory Record contains lots of interesting data that planner, design or maintenance personnel working on a programming, design, or repair plan may find useful.



Texas Department of Transportation

Modified 12-5-2003
for Microsoft Word 7.0, Win95 & NT

Bridge Inventory Record

District: 06 County: 156 Cont-Sec: 0005-04 Structure: 205 Route: IH 20 BUS
Feature Crossed: IH 20 Inspector's Signature: Date: 8/27/2007
Company Name: Enfor Design
Location: 2.10 Mi W of SH 137 Maintenance Section: 11
Latitude: N 32° 6' 58.84" Longitude: W 101° 49' 44.69" Milepoint: ~~4.459~~ 4.466
General Description: (no blackouts)
4-Span continuous steel girder bridge on concrete supports. Standard railing with non-standard guardfence (no thrie beam, non-standard terminal). Bridge is on a high-speed paved road with medium ADT (~1210 vpd).

Bridge Length: 290 ft. Deck Width: 35.3 ft. Lanes On: 2 △Lanes Under: ~~4~~ 5
Skew Angle: 30 Deg. ☒ Lf. Fwd. ☐ Rt. Fwd. Bridge Rail: T201
Clear Width Between: ~~33.6~~ ft. ☐ Curbs, ☒ Rails, ☐ Pvmt Edges Approach Rdway Wid: 33 ft.
Deck
Type: Concrete
Surfacing: 1" Asphalt Vertical Over-Clearance: ____ ft. ☒ Unimpaired
Stringers: Spans: 1 to 4
Type: Steel Size: W 36 x 160 Number: 5
Spacing: 7'-3" Controlling Span Length (C-C bearings): 85 ft.
Stringers: Spans:
Type: Size: Number:
Spacing: Controlling Span Length (C-C bearings): ____ ft.
Stringers: Spans:
Type: Size: Number:
Spacing: Controlling Span Length (C-C bearings): ____ ft.
Est Deck Overtopping Freq: ☐ >100 ☐ 11 - 100 ☐ 3 - 10 ☐ <3
Est Approach Overtop. Freq: ☐ >100 ☐ 11 - 100 ☐ 3 - 10 ☐ <3
Horizontal / Vertical Alignment: Good / Good
Date Built / Design Load: 1968 / ~~H-20~~ HS20 ②
Regulatory / Advisory Speeds: 55 mph / None
Posted Load Restriction: ☒ None
Comments:
△Revised 8/8/09 - Rio Engrg, Inc.
② Revised 8/20/11 - Klotz Assoc. P.C.

STATE OF TEXAS

BRIDGE MANAGEMENT DATABASE

- From the “Inspection & Appraisal” tab, there are two menus of interest, the Inspection and Reports menus.

PonTex

Inspection Reports

Structure Number: 06-156-0-0005-04-205 Find Item: 002.0 District

Programming | Clearance | Bridge Entry

Bridge List | Identification | Geometry | Structure | Loading | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Attachment(s) Exist

Schedule:

	Required Y / N:	Frequency:		Last Date:	
Routine Inspection:		(91): 24	mos	(90): 8/7/2013	mm/dd/yyyy
Fracture Critical Inspection / Req (92.1.1):	N-No	(92.1.2):	mos	(93.1):	mmyyyy
Underwater Inspection / Req (92.2.1):	N-No	(92.2.2):	mos	(93.2):	mmyyyy
Other Special Inspection / Req (92.3.1):	N-No	(92.3.2):	mos	(93.3): 032014	mmyyyy

Special Flags:

Underwater Inspection (88.1): N-Underwater inspec
Fracture Critical Areas (88.2): NN-Structure without
Steel Type (88.3): 2-Some or all expose
Year Steel Painted (88.4): 1968

Condition Ratings:

Deck Condition (58): 5-FAIR CONDITION
Superstructure Condition (59): 4-POOR CONDITION
Substructure Condition (60): 7-GOOD CONDITION
Channel Condition (61): N-NOT APPLICABLE
Culvert Condition (62): N-NOT APPLICABLE

Other Special Inspection **Approved**

06-156-0-0005-04-205 | 0011 | OS | 1 | 0 | A | D | [redacted]

Appraisal Ratings - Entered:

Traffic Safety Bridge Railings (36.1): 1-Meet Current Accepta
Traffic Safety Transitions (36.2): 0-Does Not Meet Curre
Traffic Safety Approach Guardrail (36.3): 0-Does Not Meet Curre
Traffic Safety Approach Guardrail Ends (36.4): 0-Does Not Meet Curre
Roadway Approach Condition (65): 7-GOOD CONDITION
Waterway Adequacy (71): N-Not Applicable
Approach Roadway Alignment (72): 8-No Speed Reduction
Navigation Pier or Abutment Protection (111): Blank-Not Applicable
Scour Critical (113): N-Bridge Not Over Wat
Scour Plans of Action / Unknown Foundations (113.1): Blank-Not Applicable
Over Height Damage (128): Y-Damage to beam(s)

Appraisal Ratings - Calculated:

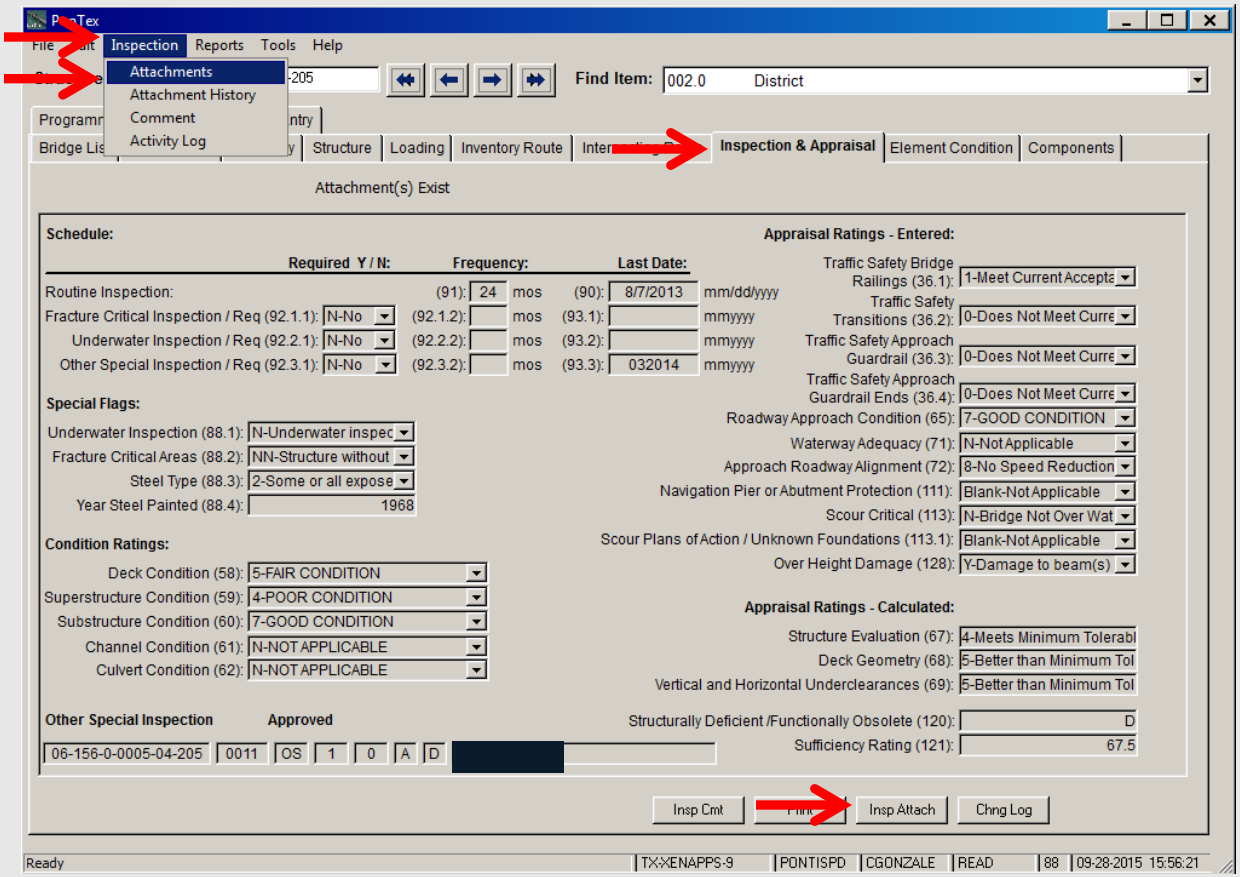
Structure Evaluation (67): 4-Meets Minimum Tolerabl
Deck Geometry (68): 5-Better than Minimum Tol
Vertical and Horizontal Underclearances (69): 5-Better than Minimum Tol
Structurally Deficient /Functionally Obsolete (120): D
Sufficiency Rating (121): 67.5

Insp Cmt | Print | Insp Attach | Chng Log

Ready | TX-XENAPPS-9 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 15:54:40

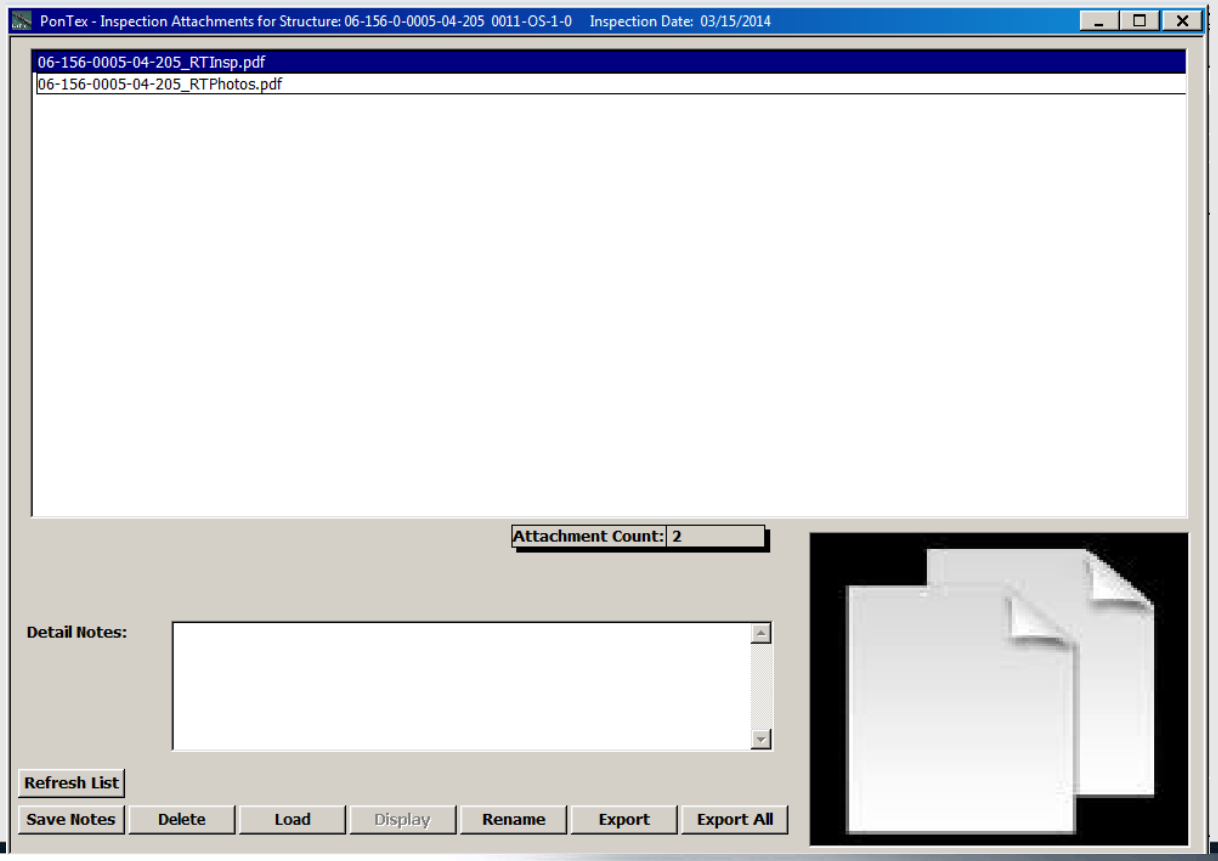
BRIDGE MANAGEMENT DATABASE

- From the Inspection menu option, the “Attachments” option will open a window listing current bridge inspection finding documents. (These may also be accessed through the “Insp Attach” feature.)



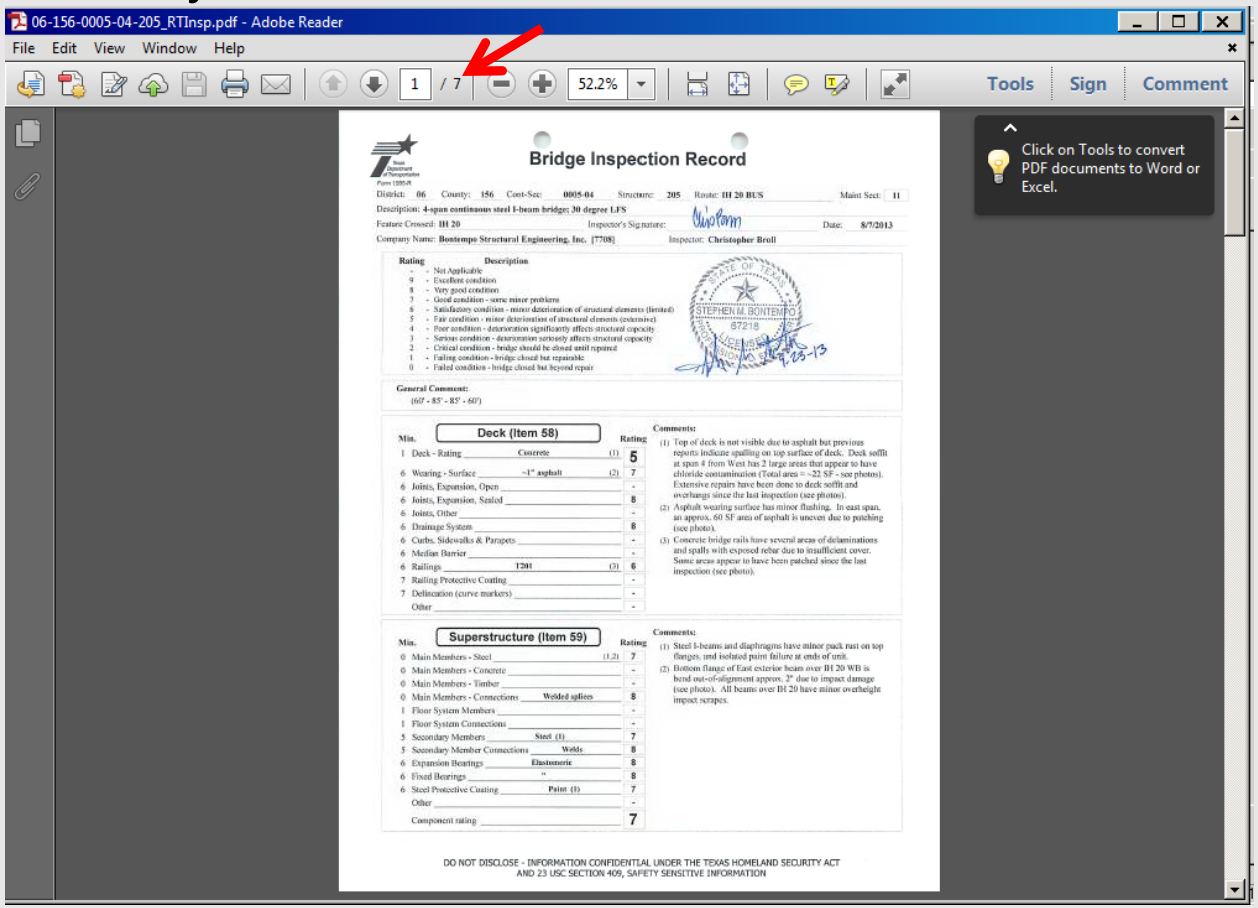
BRIDGE MANAGEMENT DATABASE

- From the Inspection Attachments option, the xxxxx_RTInsp.pdf includes the forms completed by the bridge inspector responsible for performing the most current routine bridge inspection. xxxx_RTPhotos includes the photos associated with this inspection.



BRIDGE MANAGEMENT DATABASE

- This is a scanned copy of the signed and sealed Bridge Inspection Record for the most current inspection. If the User scrolls through this document they will find some very useful information.



… continued Bridge Inspection Record

District: 06 County: 156 Cont-Sec: 0005-04 Structure: 205 Route: IH 20 BUS Maint Sect: 11

Substructure (Item 60)

Min.			Rating
0	Abutment Caps	(1)	7
0	Above Ground		-
0	Below Ground or Foundation		8
0	Backwalls & Wingwalls	(1)	8
0	Intermediate Supports		
	Caps - Concrete		8
	Caps - Steel		-
	Caps - Timber		-
	Above Ground - Concrete		8
	Above Ground - Steel		-
	Above Ground - Timber		-
	Above Ground - Masonry		-
	Below Ground or Foundation		8
5	Collision Protection System		8
6	Steel Protective Coating		-
	Component rating		7

Comments:
(1) Extensive repairs have been made to abutment caps and backwalls since the last inspection (see photos).

Channel (Item 61)

Min.		Rating
0	Channel Banks	-
0	Channel Bed	-
5	Rip Rap, Toe Walls & Apron	-
5	Dikes	-
5	Jetties	-
	Other	-
	Component rating	N

Culverts (Item 62)

Min.		Rating
0	Top Slabs	-
0	Bottom Slab or Footing	-
0	Abutments & Intermediate Supports	-
5	Headwalls & Wingwalls	-
	Other	-
	Component rating	N

District: 06 County: 156 Cont-Sec: 0005-04 Structure: 205 Route: IH 20 BUS Maint Sect: 11

Approaches (Item 65)

Min.			Rating
0	Embankments		8
4	Embankment Retaining Walls		-
5	Slope Protection		8
5	Roadway Asphalt	(1)	7
6	Relief Joints		-
6	Drainage		8
6	Guardfence		8
7	Delineation	(2)	7
7	Sight Distance		8
	Other		-
	Component rating		7

Comments:
(1) Asphalt has minor flushing and ~1/8" wide longitudinal cracks.
(2) Several delineators have impact damage.

Miscellaneous

Min.			Rating
7	Signs Vertical Clearance	(1)	8
7	Illumination		-
7	Warning Devices		-
7	Utility Lines		-
	Other		-

Comments:
(1) See Underclearance Record.

Traffic Safety (Item 36)

		Rating	Comments:
Traffic Safety Bridge Railings	(036.1)	1	Type T201, Concrete Parapet Rail
Traffic Safety Transitions	(036.2)	0	No thrie beam
Traffic Safety Approach Guardrail	(036.3)	0	No blockouts
Traffic Safety Approach Guardrail Ends	(036.4)	0	Turndowns

Appraisal Ratings

		Rating	Comments:
Waterway Adequacy	(071)	N	
Approach Roadway Alignment	(072)	8	Regulatory Speed: 55 mph Advisory Speed: None

BRIDGE MANAGEMENT DATABASE

- The front side of the Bridge Inspection Follow-up Action Worksheet describes significant discrepancies found. Along with this is a recommended action for rehabilitation of the discrepancy.

Texas Department of Transportation

Modified (9-13-2013)

Bridge Inspection Follow-up Action Worksheet

District: 06 County: 156 Cont-Sec: 0005-04 Structure: 205 Route: IH 20 BUS
Feature Crossed: IH 20 Inspector: Christopher M. Broll Date: 8/7/2013
Company Name: Bontempo Structural Engineering, Inc. (F-7708) Maintenance Section: 11

Reference Features:

1. Roadway - Wearing Surface	5. Superstructure - Bearings	9. Substructure - Other	13. Structural Paint System
2. Roadway - Deck	6. Superstructure - Other	10. Channel & Channel Protection	14. Vertical Clearance Signs
3. Roadway - Other	7. Substructure - Abutments	11. Retaining Walls or Rip Rap	15. Culvert
4. Superstructure - Main Member	8. Substructure - Bents & Piers	12. Approaches	16. Other -

Priority Level: **Critical**: Actions required within 30 days. **Urgent**: Actions required within 6 months. **Routine**: Actions required within 24 months.

Ref. Feat.	Action / Comments * = Recommended action from previous inspection not yet performed & still warranted.	1085 Ratings	Priority Level
2	* Deck soffit at span 4 from west has 2 large areas that appear to have chloride contamination (Total area = ~22 SF). Consider rehabilitating deck in this area.	5	Urgent

BRIDGE MANAGEMENT DATABASE

- The backside of the Follow-up Action Worksheet allows for District personnel comments to be entered for rehabilitation work performed to the bridge.

District: County Cont-Sec: - Structure: Route:

District Maintenance Office Comments

Date: Comments By:

Follow-up Actions Taken

Description	Date	Verified By

BRIDGE MANAGEMENT DATABASE

- Aside note, keep in mind that all rehabilitation performed to bridges must be documented and forward to the right personnel. This is to assist personnel in programming, planning, and also for accountability purposes.

Texas Department of Transportation

MEMORANDUM

TO: District Engineers **DATE:** July 18, 2012

FROM: John A. Barton, P.E.
Deputy Executive Director

SUBJECT: Reporting Bridge Maintenance Activities

TxDOT is committed to transportation asset preservation and as a result has increased maintenance funding, developed asset management systems, and dedicated additional personnel to maintenance activities. Bridges are included in this commitment as evidenced by our dedicated Bridge Preventative Maintenance fund and improved Bridge Management and Information System.

The Bridge Division uses the bridge inspection program to identify maintenance recommendations for bridges. This information is then communicated to the districts to be used to prioritize bridge maintenance and rehabilitation. To close the information loop, it is also important for the districts to document and communicate back to the Bridge Division when maintenance and rehabilitation of a bridge is complete. This information exchange improves the Department's ability to plan and prioritize future bridge maintenance and rehabilitation.

In addition, FHWA requires TxDOT to report critical findings found during routine safety inspections. It is equally important that we timely perform and report remedial actions taken as a result of any critical finding.

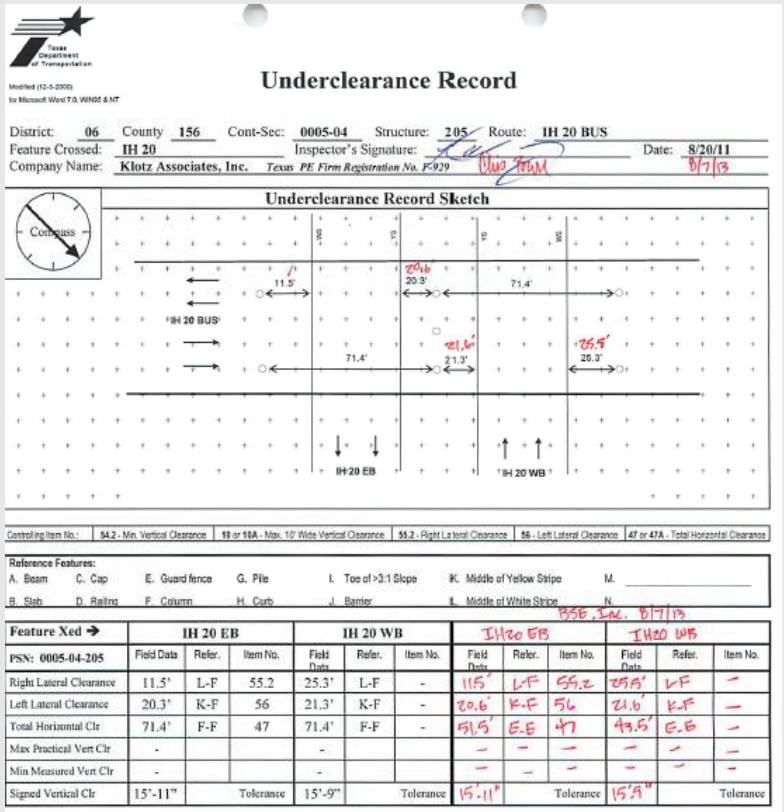
Report all work performed on a bridge to your district bridge inspection coordinator. Documentation includes what work was done, when it was completed, who performed the work (contract or in-house), and the cost. Include photos of the completed work to help with the documentation. The bridge inspection coordinator will add all documentation provided to the permanent bridge record for each bridge, and will provide updates to the Bridge Division for bridges where critical findings are addressed.

This flow of information between the districts and the Bridge Division is critical to our successful management of bridges. Please ensure that your staff is committed to the communication exchange required to document our bridge needs and TxDOT's responsiveness to those needs. You may contact Gregg Freeby at (512) 416-2183 if you have any questions.

cc: Gregg A. Freeby, P.E., Director, Bridge Division

BRIDGE MANAGEMENT DATABASE

- This particular bridge is an overpass, associated with overpass/underpass bridges is the Underclearance Record. Currently, vertical clearances are collected via a different contract, therefore vertical clearance measurements are typically no longer recorded on this document. However, signed vertical clearances are.



Texas Department of Transportation

Modified (12-5-2000)
for Microsoft Word 7.0, WIN95 & NT

Underclearance Record

District: 06 County 156 Cont-Sec: 0005-04 Structure: 205 Route: IH 20 BUS
Feature Crossed: IH 20 Inspector's Signature: Date: 8/20/11
Company Name: Klotz Associates, Inc. *Texas PE Firm Registration No. F-929* 8/7/13

Underclearance Record Sketch

Controlling Item No.:	54.2 - Min. Vertical Clearance	10 or 10A - Max. 10' Wide Vertical Clearance	55.2 - Right Lateral Clearance	56 - Left Lateral Clearance	47 or 47A - Total Horizontal Clearance

Reference Features:
A. Beam C. Cap E. Guard fence G. Pile I. Toe of >3:1 Slope K. Middle of Yellow Stripe M.
B. Slab D. Railing F. Column H. Curb J. Barrier L. Middle of White Stripe N.

BSE, Inc. 8/7/13

Feature Xed →	IH 20 EB			IH 20 WB			IH20 EB			IH20 WB		
PSN: 0005-04-205	Field Data	Refer.	Item No.	Field Data	Refer.	Item No.	Field Data	Refer.	Item No.	Field Data	Refer.	Item No.
Right Lateral Clearance	11.5'	L-F	55.2	25.3'	L-F	-	11.5'	L-F	55.2	25.5'	L-F	–
Left Lateral Clearance	20.3'	K-F	56	21.3'	K-F	-	20.6'	K-F	56	21.6'	K-F	–
Total Horizontal Clr	71.4'	F-F	47	71.4'	F-F	-	51.5'	E-E	47	49.5'	E-E	–
Max Practical Vert Clr	-			-			–	–	–	–	–	–
Min Measured Vert Clr	-			-			–	–	–	–	–	–
Signed Vertical Clr	15'-11"		Tolerance	15'-9"		Tolerance	15'-11"		Tolerance	15'-9"		Tolerance

BRIDGE MANAGEMENT DATABASE

- This document is from a bridge that spans across a creek. Documentation for bridges that span bodies of water require channel measurements be taken.

Channel Cross-Section Measurements Record

District: 22 **County:** 240 **Cont-Sec:** 0086 - 02 **Structure:** 008 **Route:** SH 359

Feature Crossed: SAN JUANITO CREEK NO 2 2/9/2015

If measurements were taken with any device other than a drop line or tape measure, please describe method in comment section.

Reference Features:
A. Top of Railing B. Edge of Deck C. Top of Curb D. Top of Parapet E. Sidewalk F. Top of Cap
G. Water Surface H. Channel I. Rigid Rip-Rap J. Rubble Rip-Rap K. Other

Company Name: XR Structural [758] **Inspection Date:** 12/22/2014

Point Location	Total Horiz Dist	Dist From Last Bent	Top Ref	Bottom Ref	Vertical Distance	Stream Direction	UpStream Side Is
W Abut	0	0	B	J	2.60	UpStream	North
	20	20	B	J	10.80	UpStream	North
B2	29	29	B	H	11.80	UpStream	North
B3	57	28	B	H	12.60	UpStream	North
	69	12	B	H	12.90	UpStream	North
B4	86	29	B	H	12.10	UpStream	North
B5	114	28	B	J	11.40	UpStream	North
	126	12	B	J	10.70	UpStream	North
E Abut	143	29	B	J	2.00	UpStream	North
Bottom Chord			B	F	2.10	UpStream	North

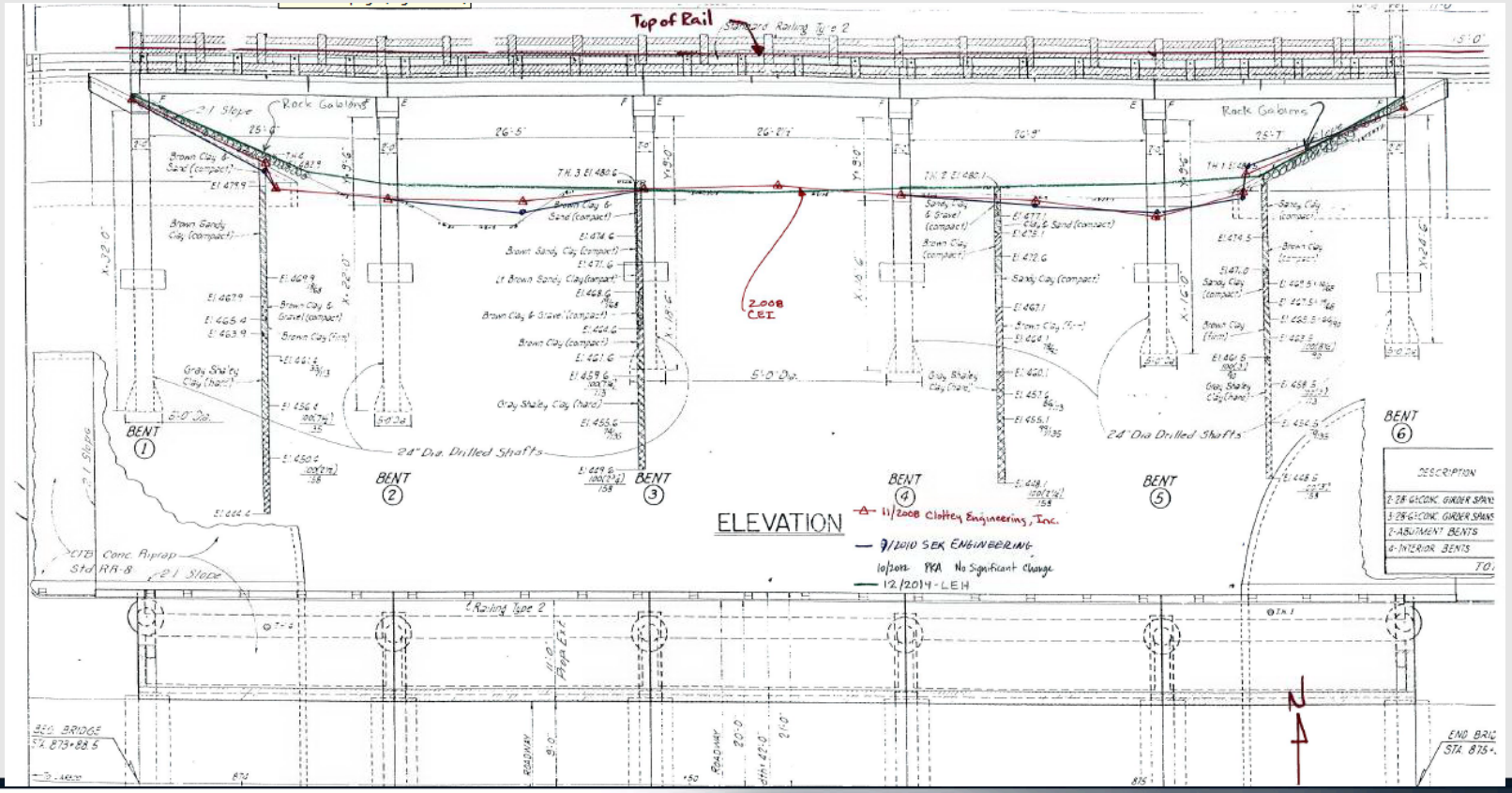
Channel Cross Section Comments

Water Level = Dry

Rock gabions and rock riprap have been installed to protect foundations at Bents 2 and 5 and to replace failing concrete riprap at the abutments.

BRIDGE MANAGEMENT DATABASE

- In addition to taking measurements, these are to be plotted against a cross section of the channel. The bridge layout is used to plot this data. Data is recorded on the same sheet for several routine inspections using different color ink in order that any scour discrepancies may be detected.



BRIDGE MANAGEMENT DATABASE

- Another option afforded by the Inspection Menu is the “Attachment History” feature.

PonTex

File Edit Inspection Reports Tools Help

Attachments
Attachment History
Comment
Activity Log

Find Item: 002.0 District

Bridge List | Structure | Loading | Inventory Route | Intersecting Route | Inspection & Appraisal | Element Condition | Components

Attachment(s) Exist

Schedule:

	Required Y / N:	Frequency:		Last Date:	
Routine Inspection:		(91): 24	mos	(90): 8/7/2013	mm/dd/yyyy
Fracture Critical Inspection / Req (92.1.1):	N-No	(92.1.2):	mos	(93.1):	mmyyyy
Underwater Inspection / Req (92.2.1):	N-No	(92.2.2):	mos	(93.2):	mmyyyy
Other Special Inspection / Req (92.3.1):	N-No	(92.3.2):	mos	(93.3): 032014	mmyyyy

Special Flags:

Underwater Inspection (88.1): N-Underwater inspec
Fracture Critical Areas (88.2): NN-Structure without
Steel Type (88.3): 2-Some or all expose
Year Steel Painted (88.4): 1968

Condition Ratings:

Deck Condition (58): 5-FAIR CONDITION
Superstructure Condition (59): 4-POOR CONDITION
Substructure Condition (60): 7-GOOD CONDITION
Channel Condition (61): N-NOT APPLICABLE
Culvert Condition (62): N-NOT APPLICABLE

Other Special Inspection **Approved**

06-156-0-0005-04-205 | 0011 | OS | 1 | 0 | A | D | [redacted]

Appraisal Ratings - Entered:

Traffic Safety Bridge Railings (36.1): 1-Meet Current Accepta
Traffic Safety Transitions (36.2): 0-Does Not Meet Curre
Traffic Safety Approach Guardrail (36.3): 0-Does Not Meet Curre
Traffic Safety Approach Guardrail Ends (36.4): 0-Does Not Meet Curre
Roadway Approach Condition (65): 7-GOOD CONDITION
Waterway Adequacy (71): N-Not Applicable
Approach Roadway Alignment (72): 8-No Speed Reduction
Navigation Pier or Abutment Protection (111): Blank-Not Applicable
Scour Critical (113): N-Bridge Not Over Wat
Scour Plans of Action / Unknown Foundations (113.1): Blank-Not Applicable
Over Height Damage (128): Y-Damage to beam(s)

Appraisal Ratings - Calculated:

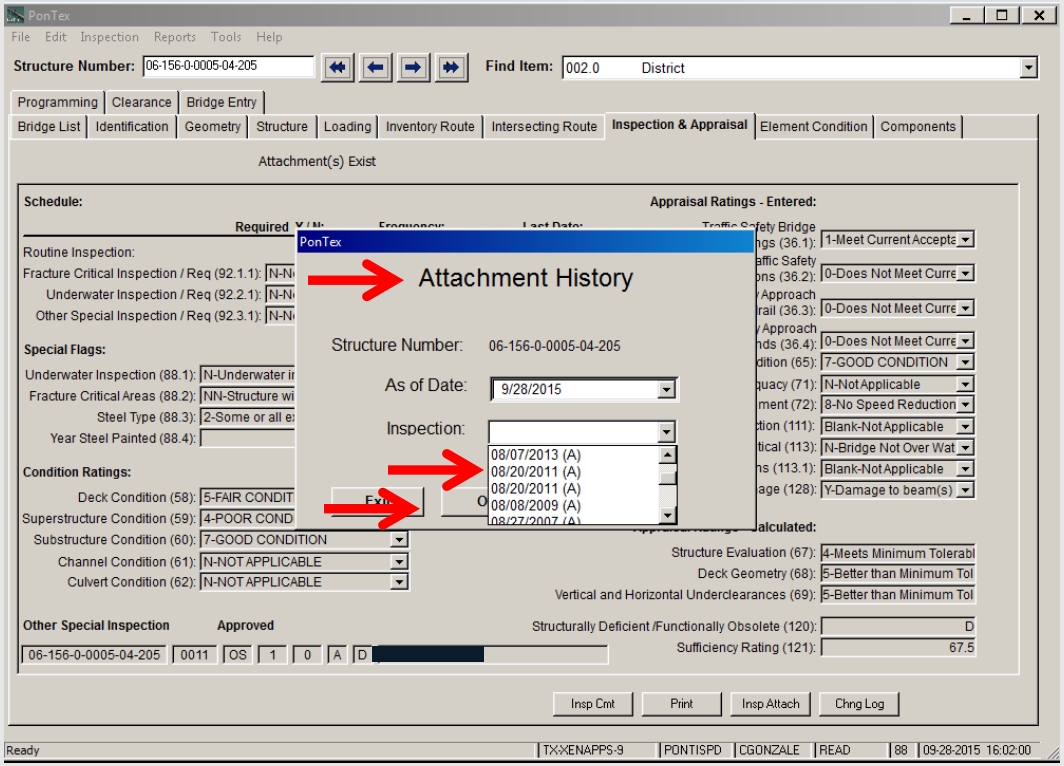
Structure Evaluation (67): 4-Meets Minimum Tolerabl
Deck Geometry (68): 5-Better than Minimum Tol
Vertical and Horizontal Underclearances (69): 5-Better than Minimum Tol
Structurally Deficient /Functionally Obsolete (120): D
Sufficiency Rating (121): 67.5

Insp Cmt | Print | Insp Attach | Chng Log

Ready | TX-XENAPPS-9 | PONTISPD | CGONZALE | READ | 88 | 09-28-2015 16:01:13

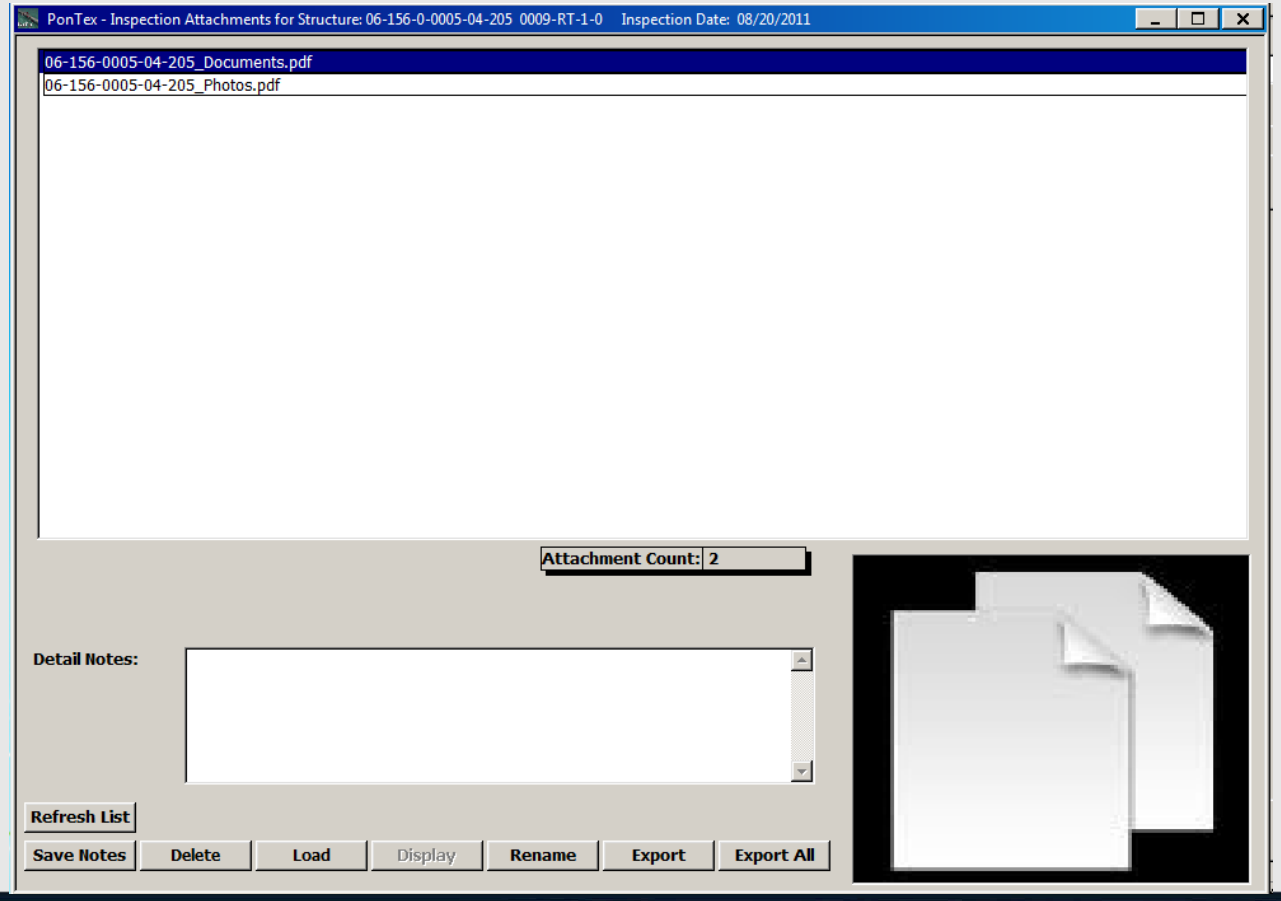
BRIDGE MANAGEMENT DATABASE

- When selected, an Attachment History window will populate and the User will select the inspection of interest by selecting a date. Some Districts have uploaded documents that record back for three (3) inspection cycles. Depending on the District's inspection cycle schedule, the number of available inspection dates will vary but will typically not date back more than six (6) years. Click OK.



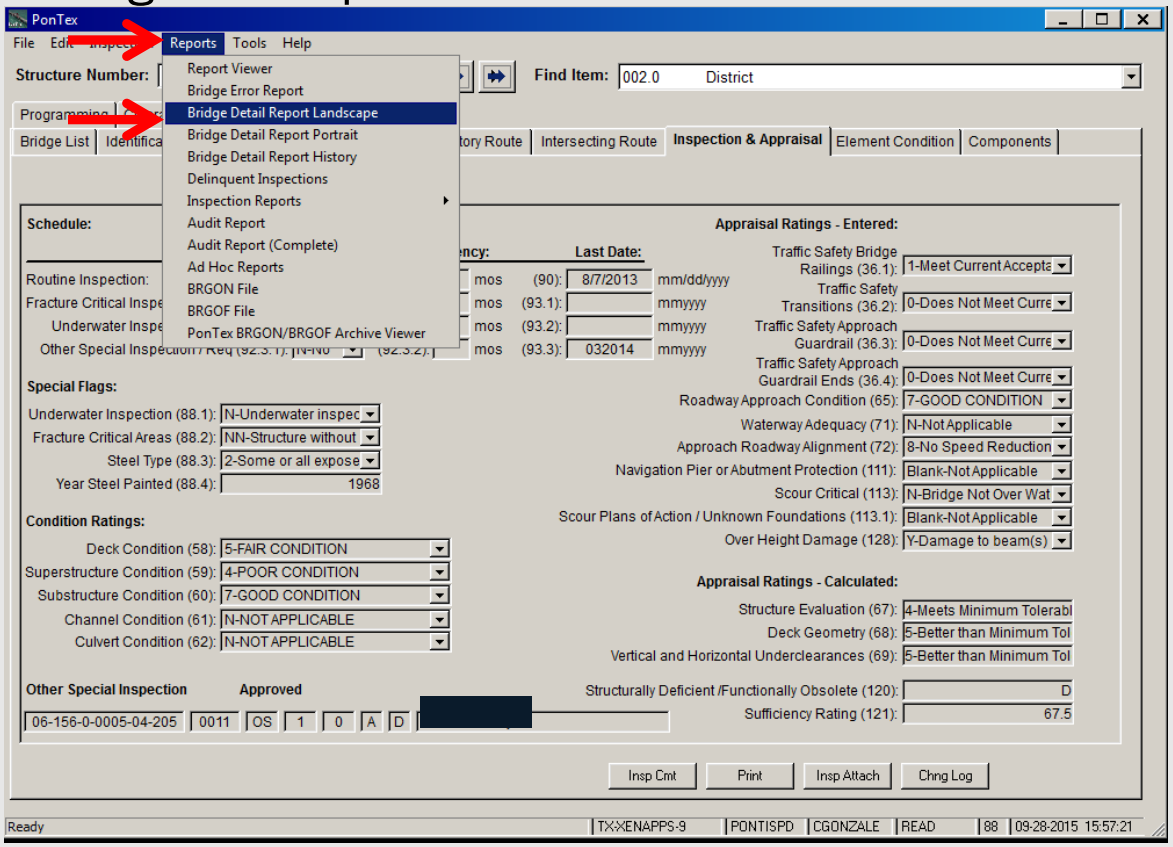
BRIDGE MANAGEMENT DATABASE

- For each one of the dates listed on the Attachment History window, there will be at least two documents available for viewing, the Routine Inspection and the Photos associated with this inspection.



BRIDGE MANAGEMENT DATABASE

- The Reports menu tabulates the different reports that are generated by the database using the inspection data that is entered. Since these reports are generated by the database, these reports are not signed and sealed. The NBI sheet can be accessed through the Reports menu.



BRIDGE MANAGEMENT DATABASE

- The NBI sheet is one report generated by the database through the Reports menu option.

STRUCTURE NUMBER: 06-156-0-0005-04-205 0011 OS 1 0
BRIDGE STATUS: Active
INSPECTION STATUS: Approved
(006-1) FEATURE: IH 20

Texas Department of Transportation
Bridge Division
PonTex Detail Bridge Report

Run Date: 10/1/2015

(007-0) FACILITY: IH 20 Bus
(009-0) LOCATION: 2.10 Mi W of SH 137

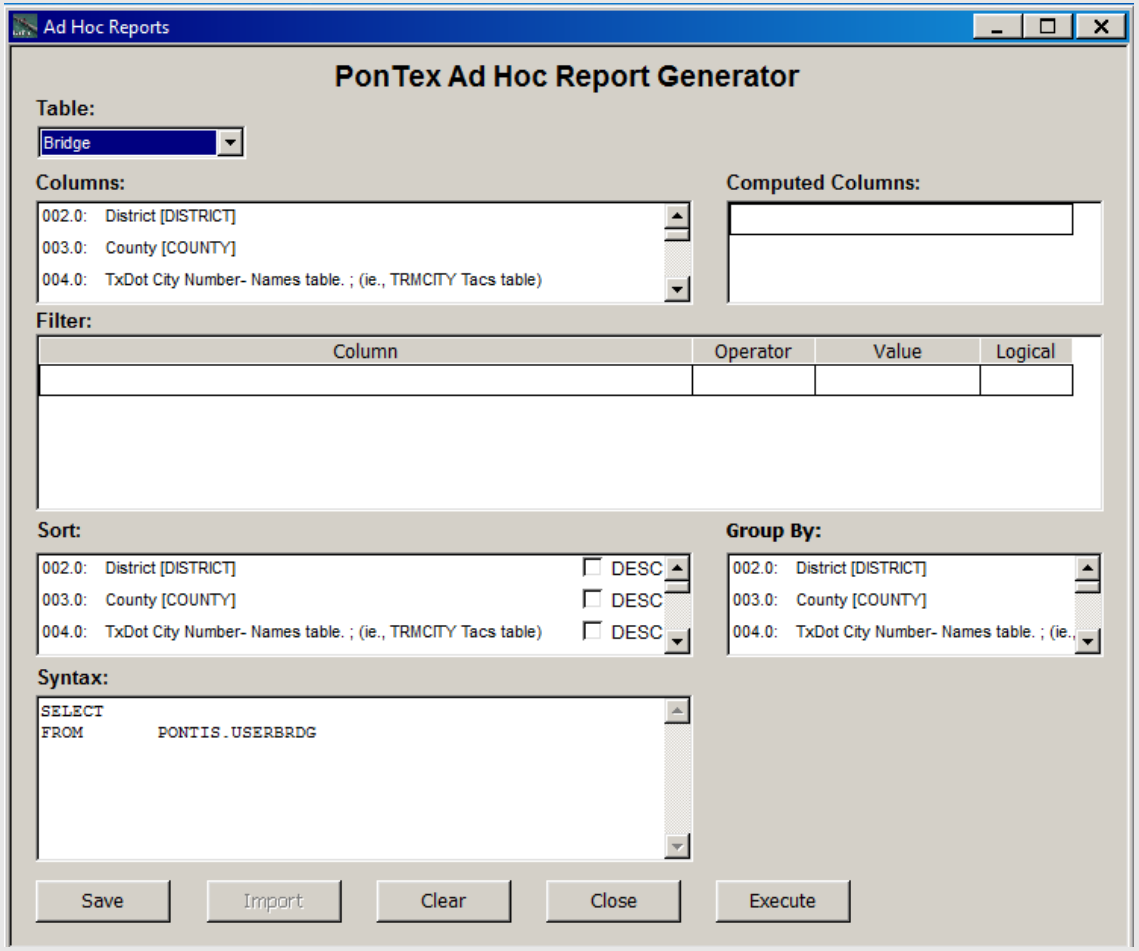
ITEM #	DESCRIPTION	VALUE
(005-1)	STRUCTURE FUNCTION	2
(004-0)	CITY CODE	00000
(005-2)	HWY. SYS	11
(005-3)	RT. DESIGN	1
(005-4)	HWY NO	0020
(005-5)	ROUTE DIR	0
(005-6)	ROUTE SUFFIX	0
(006-2)	CRIT. BRDG	
(010-0)	RT.MIN VERT CLR	16FT 07IN
(011-0)	MI-POINT	04.466
(011-1)	MIPT DATE (PRI)	197405
(011-2)	REF-MKR and DISP	0153 +00812
(011-A1)	MIPT DATE (IR)	197405
(012-0)	BASE HWY NETWORK	
(013-1)	LRS INVENTORY	
(013-2)	LRS SUB RT.	
(016-0)	LATITUDE (D / M / S)	32° 06' 58.84"
(016-1)	GPS LAT (DEG.)	32.11634341
(017-0)	LONGITUDE (D / M / S)	101° 49' 44.69"
(017-1)	GPS LONG (DEG.)	101.82907963
(017-2)	COLLECTION METHOD	4
(019-0)	BYPASS LENGTH	0
(020-0)	TOLL	3
(021-0)	MAINT. RESPON	01
(022-0)	OWNER	01
(022-1)	MAINT.SECT NO	11
(023-1)	PROJECT TYPE	1
(023-2)	CONT / SECT / JOB	0005-04-019
(026-0)	FUNCT.CLASS	01
(027-0)	YR ORGIN BUILT	1968
(028-1)	LANES ON STR	02
(028-2)	LANES UNDER STR	05
(029-0)	AADT	11320
(030-0)	YR OF AADT	2011
(031-0)	DESIGN LOAD	5
(032-0)	APPROACH WIDTH	33
(033-0)	MEDIAN	0
(034-0)	SKEW	30
(035-0)	STR.FLARED	0
(036-0)	TRAF.SAFETY FEAT	1000
(037-0)	HISTORICAL SIGNIF	3
(038-0)	NAVIG CNTL	N
(039-0)	NAVIG VERT CLR	0
(040-0)	NAVIG HORIZ CLR	0
(041-0)	OPER.STATUS	B
(041-1)	LOAD TYPE	3
(041-2)	LOAD IN 1000 LBS	049
(042-0)	TYPE SERVICE	11
(043-1)	MAIN SPAN TYPE	2111
(043-2)	MAJ.APP SPAN TYPE	
(043-3)	MIN.APP SPAN TYPE	
(043-4)	CULVERT TYPE	
(043-5)	TUNNEL TYPE	
(044-1)	SUBSTR MAIN SPAN	341
(044-2)	SUBSTR MAJ APP SPAN	
(044-3)	SUBSTR MIN APP SPAN	
(045-1)	NO.MAIN SPAN	4
(045-2)	NO.MAJ APPR SPAN	

ITEM #	DESCRIPTION	VALUE
(045-3)	NO.MIN APPR SPAN	
(046-0)	TOTAL NUMBER SPANS	4
(047-0)	TOTAL HORIZ CLR	051.5
(048-0)	MAX.SPAN LENGTH	85
(049-0)	STR.LENGTH	290
(050-1)	LEFT SIDEWALK	00.0
(050-2)	RIGHT SIDEWALK	00.0
(051-0)	ROADWAY WIDTH	032.9
(052-0)	DECK WIDTH	035.3
(053-0)	VERT.CLR OV	99FT 99IN
(054-1)	VERT.CLR REF FEAT	H
(054-2)	VERT.CLR UND	15FT 11IN
(055-1)	LAT.CLR REF FEAT	H
(055-2)	RIGHT LAT CLEAR	11.5
(056-0)	LEFT LAT CLEAR	20.6
(058-0)	DECK COND	5
(059-0)	SUPERSTR COND	4
(060-0)	SUBSTR COND	7
(061-0)	CHANN-PROTECT	N
(062-0)	CULVERT	N
(063-0)	METHOD OPR.RATING	1
(064-0)	OPERATIONAL RATING	245
(065-0)	RDWY APPR COND	7
(065-1)	METHOD INV.RATING	1
(066-0)	INVENTORY RATING	227
(067-0)	STR.EVALUATION	4
(068-0)	DECK GEOMETRY	5
(069-0)	UND.CLR VERT / HORIZ	5
(070-0)	BRIDGE POSTING	5
(071-0)	WATERWAY ADEQUACY	N
(072-0)	APPR RDWY ALIGN	8
(075-0)	TYPE WORK-REPLACE	
(076-0)	LENGTH IMPROVEMENT	0
(088-0)	ST-FRAC-CRIT/STEEL	NNN21968
(090-0)	LAST INSP(MMDDYYYY)	8/7/2013
(091-0)	DESIGNAT INSP FREQ	24
(092-1)	FRACT/CRITI DETAIL	N
(092-2)	UNDERWATER INSP	N
(092-3)	OTHER SPECIAL INSP	N
(092-1-2)	FRACT/CRIT FREQUENCY	
(092-2-2)	UNDERWATER FREQUENCY	
(092-3-2)	OTHER SPECIAL FREQUENCY	
(093-1)	FRACT/CRITI (MMYYYY)	
(093-2)	UN/WATER INSP (MMYYYY)	
(093-3)	OT/SPEC.INSP (MMYYYY)	032014
(094-0)	BDG IMPROVE COST	
(095-0)	RDWY IMPROVE COST	
(096-0)	TOTAL PROJECT COST	000000
(097-0)	YR IMPROVE COST EST	
(098-0)	BORDER BRIDGE	
(099-0)	BORDER STR NO	
(100-0)	DEFENSE HWY DESIGN	1
(101-0)	PARALLEL STR DESIGN	N
(102-0)	DIR OF TRAFFIC	2
(103-0)	TEMP STR DESIGN	
(104-0)	N H S	1
(105-0)	FED LANDS HWY	0
(106-0)	YR RECONST	0

ITEM #	DESCRIPTION	VALUE
(106-1)	WIDENING CODE	0
(107-1)	DECK STR TYPE MAIN SPAN	1
(108-1)	MAIN SPAN WEAR SF	688
(107-2)	STR.TYP MAJ APP SP	N
(108-2)	MAJ.APP SPN WEAR SF	NNN
(107-3)	STR.TYP MIN APP SP	N
(108-3)	MIN.APP SPN WEAR SF	NNN
(109-0)	AADT TRK PRECENT	40
(110-0)	DESIGN NATION NETWORK	1
(111-0)	PIER/ABUT PROTECT	
(112-0)	NBIS BRIDGE LENGTH	Y
(113-0)	SCOUR CRITI BRDG	N
(113-1)	SCOUR VULNERABILITY	
(114-0)	FUTURE AADT	15650
(115-0)	FUTURE AADT YEAR	2031
(116-0)	MIN.NAVIG VERT CLR	
(119-0)	COST ORIGIN CONSTR	
(120-0)	DEFI / OBSO / 10YR RULE	
(121-0)	SUFF.RATING	067.5
(122-0)	X-REF PRIMARY RT ID	
(123-0)	X-REF STR FUNC PRIMARY RT	
(124-0)	X-REF IR ID	
(125-0)	X-REF STR FUNC IR	
(126-0)	DIST USE	
(128-0)	OV HEIGHT DAMAGE	Y
(008-4A)	IR.CONTROL	0005
(008-5A)	IR.SECTION	16
(011-0A)	IR.MILEPOINT	05.327
(008-6A)	IR.STR NO	205
(008-3A)	IR.DUPL OVER	0
(005-1A)	IR.FUNCTION	1
(005-3A)	IR.DESIGNAT	6
(005-2A)	IR.HWY SYS	25
(005-4A)	IR.HWY NO	0020
(005-5A)	IR.DIR	0
(005-6A)	IR. ROUTE SUFFIX	F
(011-2A)	IR.REF-MKR / DISP	0338 +00127
(047-0A)	IR.HORIZ CLR	32.9
(010-0A)	IR.RT.MIN VERT CLR	99FT 99IN
(012-0A)	IR.BASE HWY NETWK	
(013-1A)	IR.LRS HWY	
(013-2A)	IR.LRS SUB RT	
(019-0A)	IR.BYPASS LGTH	4
(020-0A)	IR.TOLL	3
(026-0A)	IR.FUNCT CLASS	04
(029-0A)	IR.AADT	1210
(030-0A)	IR.YEAR OF ADT	2015
(100-0A)	IR.DEF HWY DESIGN	0
(101-0A)	IR.PAR STR DESIG	N
(102-0A)	IR.DIR OF TRAF	2
(103-0A)	IR.TEMP STR DESIGN	
(104-0A)	IR.N H S	0
(109-0A)	IR.AADT TRK PCT	9
(110-0A)	IR.DESIG NAT NETWK	1
(114-0A)	IR.FUTURE AADT	1840
(115-0A)	IR.YEAR OF AADT	2035

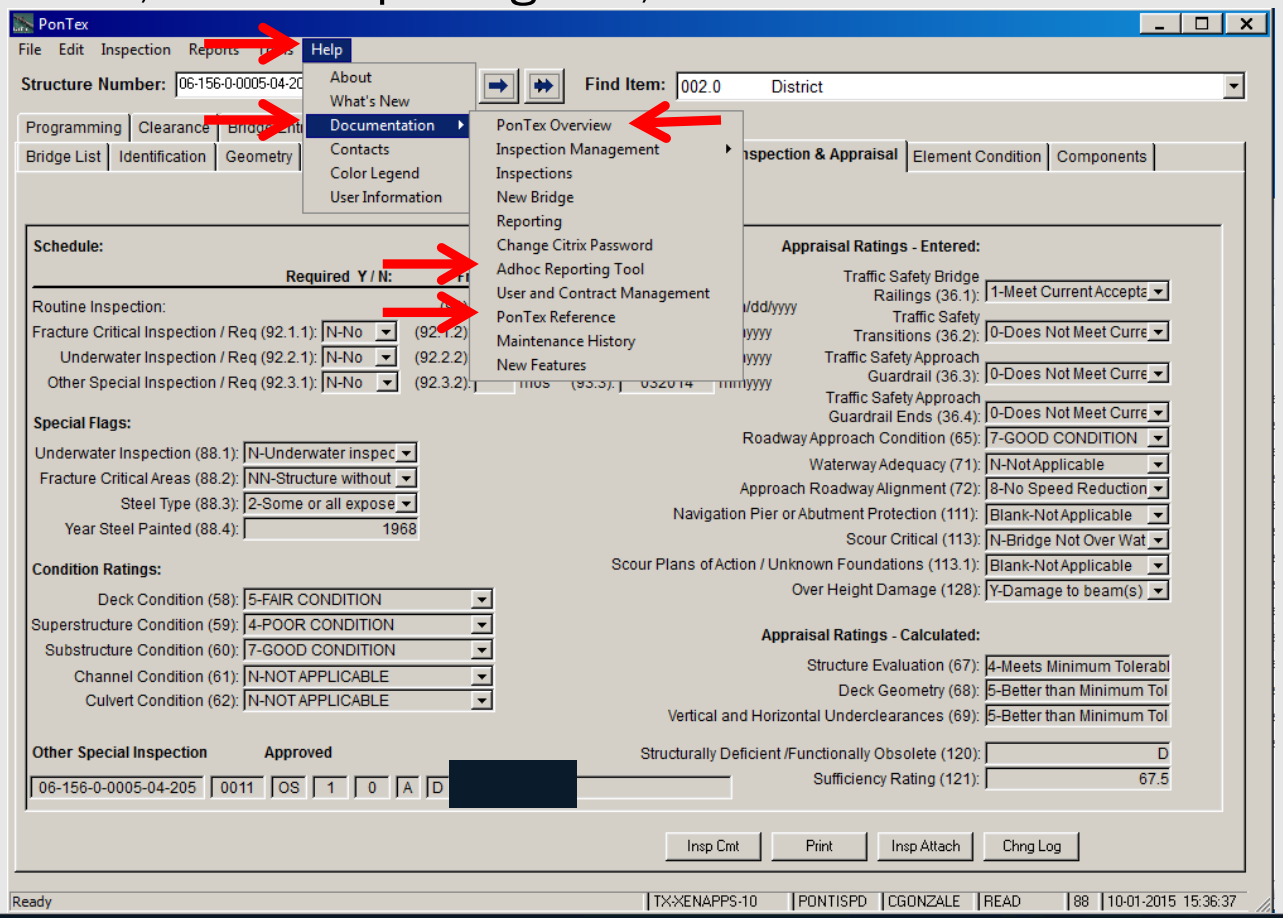
BRIDGE MANAGEMENT DATABASE

- One other source of information for the PonTex Read Only User role is available through the ability to run queries via the Ad Hoc Report Generator.

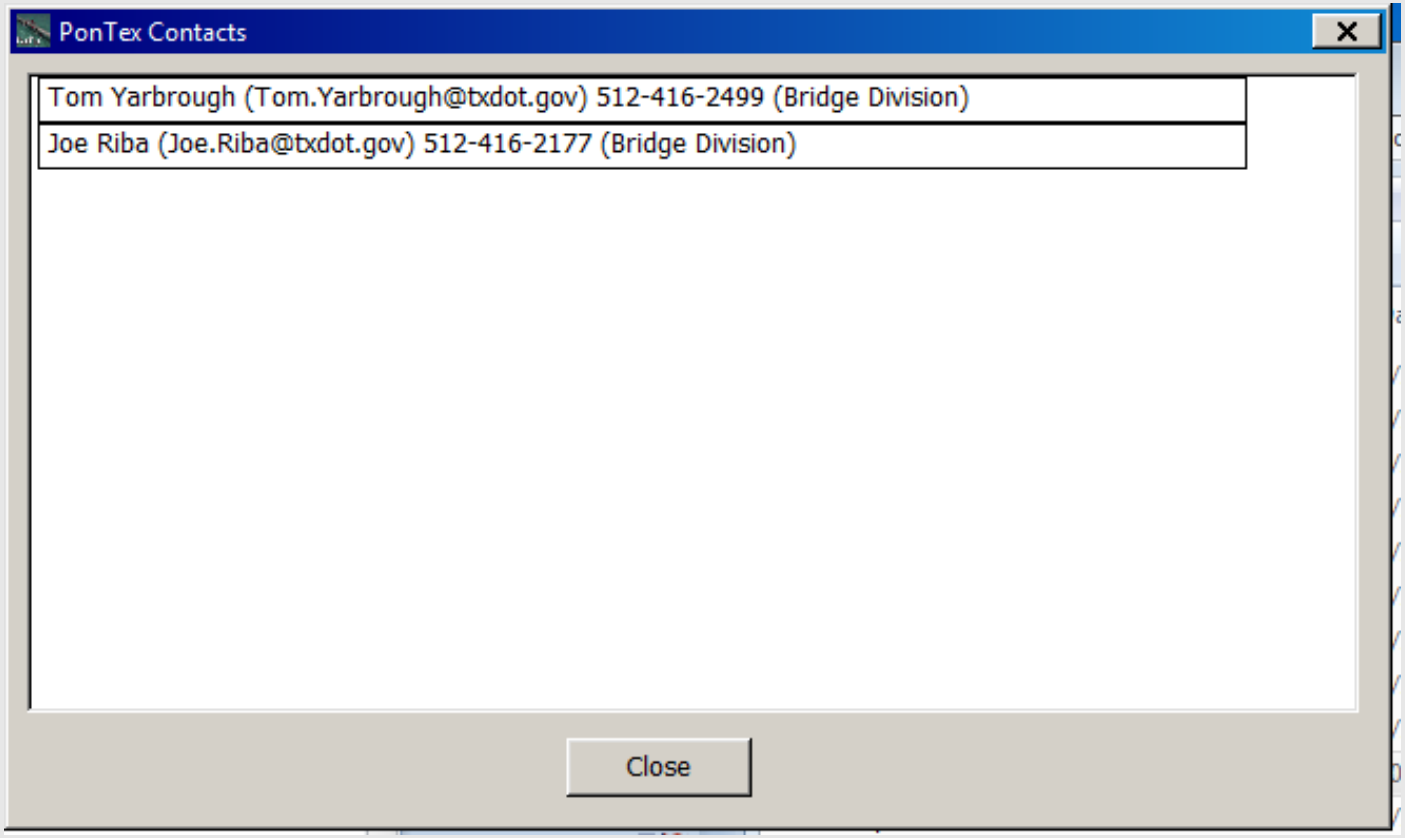


BRIDGE MANAGEMENT DATABASE

- NEED ASSISTANCE ??? Use the PonTex Help menu. There are several sources of helpful information. Most useful for a Read-Only User are the PonTex Overview, Adhoc Reporting Tool, and PonTex Reference Guides.



Questions?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Close

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