



# SRS Deferred Maintenance



**Managing & Retrieving CAIS Data  
Using Microsoft Access**

**Presented by: Debbie Etheredge  
SRS CAIS Administrator  
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# Why Use Microsoft Access?

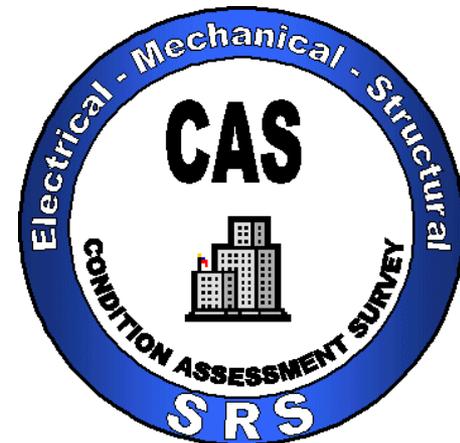
- **Why Use Microsoft Access?**
  - Reporting, Consistency, Customize & Pre-populated Forms
- **Where Were We?**
  - Tunnel Vision, Un-consistency, no Forms, etc.
- **Who & why did we Benchmark?**
  - Pantex - Obtain a pre-existing process to build on
- **Where are we now?**
  - Implementing Microsoft Access Program to SRS CAIS
- **What is our future?**
  - Better SRS CAIS database to verify & validate information

# SRS Access Program Conversion Timeline

- **Background**
  - **Benchmark CAS Access Program – Pantex**  
(received blank Access Database 11/07)
  - **Worked with computer programmer at SRS to start converting the Pantex Access Program for SRS 12-07**
  - **Started clean-up process using Access - SRS CAIS Data 12/07**
    - **Reviewed tables for consistency of data – i.e., DISC\_DESC from the Discipline Table (Deleted Roads, Roofs)**
    - **Identify missing data from fields**
  - **Started converting Pantex forms/queries/macros/reports to fit SRS needs 12/07**

# Managing & Retrieving CAIS Data by Microsoft Access

- **Deferred Maintenance/ Misc. Reports**
  - Customized Reports
  - Standard Reports
  
- **Inspection Forms**
  - Pre-populated Forms (Electrical, Mechanical, Structural, OSF)
  
- **Validations**
  - Provides electronic validation capability for key CAIS fields
  - Menu driven
  
- **Queries**
  - Allows for customization
  - Saves time and labor
  - Enhances quick response time for customer request



# CAIS Data Main Menu

CAIS Data Main Menu : Form

**Welcome to the CAIS Program!**  
**CAIS Contact:**  
**Debbie Etheredge**  
**2-9752**

**CAIS Data Main Menu**

RTBF Program Reports      Indicators Menu      Validation Menu

Inspection Forms Menu      Deferred Maint. Review/Misc Reports Menu      Projects Menu

RSM New Number Lookup

[CAIS Web Based Database](#)

Exit CAIS Data Main Menu

 Savannah River Site  
**CAS** — **Condition Assessment Survey**  
**CAIS**

**SRS CAS Inspection Homepage**

- [DOE CAIS/CAS Web User Guide](#)
- [CAIS Data Main Menu](#) Add In Future
- [SRS Field Collection Form Data Dictionary](#)



# Inspection Forms Menu

CAIS Inspection Forms Menu : Form

## Electronic Inspection Forms Menu

The CAS Group would like to welcome you to the Electronic Inspection Forms Menu!

[Exit Inspection Form Menu](#)

### Electrical

- Elec Lighting Inspection Sheet
- Elec Panel Inspection Sheet
- Elec Transformer-UPS Inspection Sheet

### Structural

- Structural Exterior Inspection Sheet
- Structural Interior Inspection Sheet
- Structural Roof Inspection Sheet

### Mechanical

- Mech Inspection Sheet - Short Version

### Blank Forms

- Blank Elec Lighting Inspection Sheet
- Blank Elec Panel Inspection Sheet
- Blank Elec Transformer Inspection Sheet
- Blank Mech Inspection Sheet
- Blank Struc Exterior Inspection Sheet
- Blank Struc Interior Inspection Sheet
- Blank Struc Roofing Inspection Sheet

### Other

- OSF Struc Inspection Sheet
- OSF Mech Inspection Sheet
- OSF Lighting Inspection Sheet
- OSF Elec Inspection Sheet

### Packages

- Elec Package
- Mech Package
- Struc Package
- Inspection Cover Sheet
- Point of Contact Notification
- Equipment Verification

Enter Parameter Value

Type in asset number

601000

OK Cancel



savannah river site

# Inspection Forms – OSF Pre-populated

**OFFICIAL USE ONLY**  
**OSF STRUCTURAL INSPECTION SHEET**

<b>ASSET #:</b> 601000	<b>(Sitework) Work Breakdown Structure = W</b>			<b>Condition = C</b>	<b>Repair Task</b>
<b>Importance:</b> Msn Critical	1. Paving Roadways/Walkways	5. Signals/Communications	9. Bridges & Abutments	1. Excellent	1A. Replace binding wearing course
<b>Survey Date:</b>	2. Tunnels	6. Fountains & Pools		2. Good	2A. Slurry seal / Top coat
<b>Last Inspection Performed by:</b>	3. Railways & Rolling Stock	7. Security Gates & Fences		3. Adequate	3A. Grind raised concrete edges
JACKSON, RICHARD	4. Trackwork	8. Landscaping		4. Fair	4A. Overlay wearing course
				5. Poor	5A. Chp seal / Top Coat / Seal Coat
				6. Fail	6A. Replace damaged concrete
	<b>Description = D</b>			<b>Purpose Code = P</b>	
	1. Raveling/Spalling	3. Transverse Cracking	5. Raised/Heaving	7. Longitudinal Cracking	
	2. Rutting/Depressions	4. Utility Patching	6. Localized Cracking	8. Potholes	<b>Urgency to Repair/Replace = U</b>

IU #	LOCATIONS	Qty	Unit	W	D	C	RT	P	U	Install Date	Age	OPT	Other Description and Comments
1288	100-C RUN AROUND	122	EACH	3		6			2				, SECTION 53 - 350 LINEAR FEET, 162 TOTAL TIES, 75% BAD TIES
<b>Type</b> RAILROAD TIES,HVY DUTY,WD,CREOSOT <span style="float:right"><b>Currently Deferred:</b> Y <b>RS Means Est Cost</b> \$17,687 162</span>													
1066		740	EACH	3		6			2				,
<b>Type</b> RAILROAD TIES,HVY DUTY,WD,CREOSOT <span style="float:right"><b>Currently Deferred:</b> Y <b>RS Means Est Cost</b> \$113,554 2453</span>													
1166		539	EACH	3		6			2				, SECTION 25 - 5,286 LINEAR FEET
<b>Type</b> RAILROAD TIES,HVY DUTY,WD,CREOSOT <span style="float:right"><b>Currently Deferred:</b> Y <b>RS Means Est Cost</b> \$82,711 2447</span>													
1203		41	EACH	3		6			2	1985	20		,
<b>Type</b> RAILROAD TIES,HVY DUTY,WD,CREOSOT <span style="float:right"><b>Currently Deferred:</b> Y <b>RS Means Est Cost</b> \$5,944 243</span>													
1262		92	EACH	3		6			2				,
<b>Type</b> RAILROAD TIES,HVY DUTY,WD,CREOSOT <span style="float:right"><b>Currently Deferred:</b> Y <b>RS Means Est Cost</b> \$13,338 241</span>													
1283		1270	EACH	3		6			2				, SECTION 29 - 5120 LINEAR FEET, 2370 - TOTAL TIES, 54% BAD TIES
<b>Type</b> RAILROAD TIES,HVY DUTY,WD,CREOSOT <span style="float:right"><b>Currently Deferred:</b> Y <b>RS Means Est Cost</b> \$194,884 2370</span>													
1287		129	EACH	3		6			2				,
<b>Type</b> RAILROAD TIES,HVY DUTY,WD,CREOSOT <span style="float:right"><b>Currently Deferred:</b> Y <b>RS Means Est Cost</b> \$18,702 232</span>													
1201		191	EACH	3		6			2	1985	20		,
<b>Type</b> RAILROAD TIES,HVY DUTY,WD,CREOSOT <span style="float:right"><b>Currently Deferred:</b> Y <b>RS Means Est Cost</b> \$27,690 220</span>													

**COMMENTS:**

# Current Access Program Users

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## Lawrence Livermore

- Dennis Chew (925)-422-8120  
[chew7@llnl.gov](mailto:chew7@llnl.gov)

## Pantex

- Steve Patterson (806)477-3457  
[spatters@pantex.com](mailto:spatters@pantex.com)

## Savannah River Site

- Debbie Etheredge (803)952-9752  
[debbie.etheredge@srs.gov](mailto:debbie.etheredge@srs.gov)

# Managing & Retrieving CAIS Data In The Future

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- **Future Additions/Changes**
  - **Create Electronic Inspection Forms that will link information directly to the CAIS database**
  - **Create or use existing group database (Excel) to upload CAS inspections into CAIS**
  - **Use Access to link Work Management System -Passport to CAIS to help identify closed Inspection Unit's**

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# Questions?

