



## ENTERING PRESTRESSED BEAM INSPECTIONS INTO A DAILY SOURCE REPORT

### Navigation

Materials > Daily Source Reports

1. From the **Component Action** button select **Add**
2. Enter part of the source name in the **Search** field
3. Select the desired Source from the list
4. Select the inspection date from the **Date** calendar popup
5. Check the **Inspector on Site** checkbox
6. Click on the **Materials** Tab
7. Click the **Select Materials** button
8. Check the *553.01.00.01 Prestressed Beam* row
9. Click the **Add to DSR** button
10. Enter a **Remark Type** and **Remark** if applicable.
11. Click **Save**

Source: CRETXHLL - Forterra Pipe & Precast (Cretex)-Helena #67      Facility: -      Date: 04/10/2019

General	Source *	Remarks				
Materials	<input type="text" value="CRETXHLL"/> Forterra Pipe & Precast (Cretex)-Helena #67	0				
Inspection	<b>Facility</b> <input type="text" value="Begin typing to search or press Enter"/>	Inspector				
	<b>Date *</b> <input type="text" value="04/10/2019"/>	DoldL				
	<b>Inspector on Site</b> <input checked="" type="checkbox"/>	Locked By				
	<b>Remarks</b> <table border="1"> <thead> <tr> <th>Type *</th> <th>Remark *</th> </tr> </thead> <tbody> <tr> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>	Type *	Remark *	<input type="text"/>	<input type="text"/>	Locked Date
Type *	Remark *					
<input type="text"/>	<input type="text"/>					

12. From the **Material Row Action** button select **Add New SMFMI**
13. Enter a description for identifying the beam (i.e. *Beam01*) in the **SMFMI Name** field
14. Select the inspection date as the **Effective Date** calendar popup
15. Select *ACTIVE – Active* from the **Status** dropdown list
16. Click **Save**
17. Expand the Material row by clicking on the > symbol. The Beam will be displayed in the list



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AASHTOWare Project CONSTRUCTION and MATERIALS



- Select *PREI – Pre-Inspected Material* from the **Inspection Value** dropdown list
- Click **Save**

Materials  Advanced Showing 1 of 1

Inspection 0

Select Materials...

Expand/Collapse this Panel

Material	English Unit	Metric Unit	SMFMI
553.01.00.01 - Prestressed Bez			1

SMFMI	Inspection Value	Max Quantity	Effective Date	Expiration Date
Beam 01	PREI - Pre-inspected Material		04/10/2019	

- From the **SMFMI Row Action** button select *MDT Pre-Stressed Beams* agency view under Views
- Enter the information for Pre-Pour Inspection, Net Strand Elongations, Concrete Properties, Cylinder Breaks for Strand Release and Concrete Cylinder Break
- Click **Save**

Beam 01 04/10/2019

**PRE-POUR INSPECTION**

MDT inspector has observed the pre-pour inspection  No  Yes

A copy of the Plant's Pre-Pour Inspection checklist has been collected  No  Yes

Certifications for all components used in beam(s) have been collected  No  Yes

Remarks

**NET STRAND ELONGATIONS**

Strand Qty	Gross Base
28.00	303.00
Gross Force	Net Base
32150.00	291.00
	Net Base 5% Var
	15.00

Remarks

New 0 added | 0 marked for deletion | 0 changed

Strand No	Net Elong	Variance	Pass/Fail
1.00	295.00	4	<input type="radio"/> Fail <input checked="" type="radio"/> Pass
2.00	291.00	0	<input type="radio"/> Fail <input checked="" type="radio"/> Pass
3.00	295.00	4	<input type="radio"/> Fail <input checked="" type="radio"/> Pass
4.00	291.00	0	<input type="radio"/> Fail <input checked="" type="radio"/> Pass
5.00	295.00	4	<input type="radio"/> Fail <input checked="" type="radio"/> Pass
6.00	291.00	0	<input type="radio"/> Fail <input checked="" type="radio"/> Pass
7.00	295.00	4	<input type="radio"/> Fail <input checked="" type="radio"/> Pass
8.00	297.00	6	<input type="radio"/> Fail <input checked="" type="radio"/> Pass
9.00	291.00	0	<input type="radio"/> Fail <input checked="" type="radio"/> Pass
10.00	295.00	4	<input type="radio"/> Fail <input checked="" type="radio"/> Pass

**CONCRETE PROPERTIES**

Remarks



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0 added | 0 marked for deletion | 0 changed

Batch/Truck	Slump (in)	Conc Temp (F)	Unit Wt	% Air	Ambient Temp (F)	Form Temp (F)
1		27.00	68			37

**CYLINDER BREAKS FOR STRAND RELEASE**

Three cylinders for 28-day testing by MDT have been collected

No  Yes

Contract Min Strength @ transfer  
6000

Min Release Strength  
6126

Cylinder 1  
6139

Average  
6534

Cylinder 2  
6842

Std Deviation  
359

Cylinder 3  
6620

Remarks

**CONCRETE CYLINDER BREAKS**

Min Req'd Contract Strength (PSI)  
6500

Min Req'd Beam Strength (PSI)  
6599

Average PSI  
11640

Std Deviation  
262

Total PSI  
11640

Pass/Fail  
Fail

Remarks

0 changed

Cyl #	Days Cured	Diameter	Length	X Sect Area	Load (lbs)	PSI
1	28	4.00	6.00	12.566	142613	11349
2	28	4.00	6.00	12.566	146709	11675
3	28	4.00	6.00	12.566	149674	11911

23. Click on the **DSR Material SMFMI** quick link

24. Repeat steps 12-23 for each beam inspected. In step 13 each SMFMI name will need to be different for each beam.