



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: CRETXHL - Forterra Pipe & Precast	Cretex)-Helena #67 Facility: - Date: 04/10/2019	
General	Source*	Remarks
Materials	Q CRETXHL	0
Inspection	Forterra Pipe & Precast (Cretex)-Helena #67	Inspector
	Facility	DoldL
	Q Begin typing to search or press Enter	Locked By
	Date *	2
	04/10/2019	Locked Date
	Inspector on Site	
	▼ Remarks	
	Type * Remark *	
	•	

- 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





18. Select PREI - Pre-Inspected Material from the Inspection Value dropdown list

19. Click Save					
vlaterials	Q Type search criteria or press	Enter Advanced Showing	1 of 1		
nspection Expand	Collapse this Panel				0
	• Material	English Unit	Metric Unit	SMFMI	
	553.01.00.01 - Prestressed Be	56		1	
	SMFMI	Inspection Value 🔻	Max Quantity	Effective Date	Expiration Date
	Beam 01	PREI - Pre-inspected Material	•	04/10/2019	

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

Beam 01					04/10/2019		
PRE-POUR IN	PRE-POUR INSPECTION						
MDT inspector has observed the pre-pour inspection					◎ No ④ Yes		
A conv of the Plant's Pre-Pour Inspection checklist has been collected					◎ No [®] Yes		
A cupy of the Prain's Pre-Pool inspection checking has been conected					No Ves		
Certifications for all components used in beam(s) have been collected							
Remarks							
						Q	
NET STRAND	ELONGATIONS						
Strand Qtv					Gross Base		
28.00					303.00		
Gross Force					Net Base		
32150.00					291.00		
					Net Base 5% Var		
					15.00		
Remarks							
						Q	
New					0.8	dded 0 marked for deletion 0 changed	
New Strand No	Net Elong	Variance	Pass/	Fail	0.8	dded 0 marked for deletion 0 changed	
New Strand No	Net Elong	Variance 295.00	Pass 4 O Fa	Fail I ® Pass	0 a	dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00	Variance 295.00 291.00	Pass/ 4 ○ Fa 0 ○	Fail 1 ® Pass ®	0 a	dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00 3.00	Variance 295.00 291.00 295.00	Pass/ 4 ○ Fa 0 ○ 4 ○	Fall (*) Pass *	0 a	dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00 3.00 4.00	Variance 295.00 291.00 295.00 295.00 291.00	Passi 4 Fa 0 0 4 0 0 0	Fail Pass ® ® ®	0 a	dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00 3.00 4.00 5.00	Variance 295.00 291.00 295.00 291.00 295.00	Passi 4 Fa 0 0 4 0 4 0 4 0	Fail 1 * Pass * * * *	0 a	dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00 3.00 4.00 5.00 6.00	Variance 29500 29100 29500 29100 29500 29500 29100	Pass/ 4 Fa 0 0 4 0 0 0 4 0 4 0 0 0	Fail I ® Pass ® ® ® ® ® ® ®	0 a	dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00 3.00 4.00 5.00 6.00 7.00	Variance 295 00 291 00 295 00 295 00 295 00 295 00 295 00 295 00 295 00 295 00 295 00 295 00 295 00 295 00	Pass/ 4 Fa 0 4 4 0 4 0 4 0 4 0 4 0 4 0	Pal I © Pass © © © © © © © © © © © © ©	0.a	dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00 4.00 5.00 6.00 7.00 8.00	Variance 295.00 291.00 295.00 291.00 295.00 291.00 295.00 295.00 295.00 295.00 295.00 295.00 295.00 295.00 295.00 297.00	Pass/ 4 Fa 0 0 4 0 0 0 4 0 0 0 4 0 1 4 0 6 0	Fail 1 Pass 2 Pass	0 a	dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00	Variance 29500 29100 29500 29500 29500 29500 29500 29500 29500 29500 29500 29500 29500 29500 29500 29500 29500 29500 29500 29500 29500	Pass/ 4 Fa 0 0 4 0 1 4 0 1 4 0 1 4 0 1 4 0 1 6 0 1 6 0 0	Fall 1 Pass 3 3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	C a	dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00 3.00 4.00 6.00 7.00 8.00 9.00 10.00	Variance 29500 29100 29500 29100 29500 29100 29500 29100 29500 29100 29500 29100 29500 29500 29500 29500 29500	Pass/ 4 Fa 0 0 4 0 0 0 4 0 0 0 4 0 6 0 0 0 4 0 4 0 6 0	Fall Pass P		dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00 3.00 4.00 5.00 6.00 7.00 9.00 10.00	Variance 25500 29100 29500 29100 29500 29100 29500 29100 29500 29100 29100 29500 29500 29500 29500 29500	Pass/ 4 Fa 0 0 4 0 4 0 4 0 4 0 6 0 0 0 4 0 4 0	Fail I Pass O O O O O O O O O O O O O		dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00 3.00 4.00 5.00 6.00 7.00 9.00 10.00	Variance 29500 29100 29500 29100 29100 29500 29100 29500 29100 29500 29100 29500 29500 29500 29500 29500 29500	Pass) 4 Fa 0 0 4 0 0 0 4 0 4 0 6 0 1 0 6 0 4 0 4 0	Fail Pass		dded 0 marked for deletion 0 changed	
New Strand No	Net Elong 1.00 2.00 2.00 3.00 3.00 3.00 5.00 3.00 6.00 3.00 7.00 3.00 9.00 3.00 10.00 3.00	Variance 29500 1 29100 2 29100 2 29100 2 29100 2 29100 2 29100 2 29100 2 29100 2 29100 2 29100 2 29100 2 29100 2	Pass) 4 Fail 7 F	Fail		dded 0 marked for deletion 0 changed	



MONTANA DEPARTMENT OF TRANSPORTATION AASHTOWare Project CONSTRUCTION and MATERIALS



New					0 added 0 marked for deletion 0 cha	nged
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 RELE	ASE				
Three cylinders for 28	Three cylinders for 28-day testing by MDT have been collected				◎ No ® Yes	
Contract Min Strengt	h @ transfer				Min Release Strength	
6000					6126	
Cylinder 1					Average	
6139					6534	
Cylinder 2					Std Deviation	
6842					309	
Cylinder 3						
6620						
Remarks						
						Q
CONCRETE CYLIND	ER BREAKS					
Min Deald Contract	Ctronath (DCI)				Min David Daam Strangth (DPI)	
6500	suengui (F SI)				6599	
Average PSI					Std Devision	
11640					282	
Total PSI					Pass/Fail	
11640					Fail	
Remarks						
						Θ
					0 cha	anged
Cyl # Days	Cured Diameter	Length X Se	ct Area Load (Ibs)	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.