



CARS & Econstruction Update

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What's the plan?

1. CARS Project Diary and Inspection Diary Observations
2. New CARS Diary Reports
3. CARS Materials Dropbox
4. What's in the pipeline?



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But First....



Equipment

Equipment

Universal Time Set

Start Time: End Time:

Set

Quick Add

Unit #:

Add

Type:

- Select Type ▾
- Select Type
- Backhoe
- Compactor
- Crane
- Dozer
- Excavator
- Grader
- Loader
- Other
- Paver
- Scraper
- Skidsteer

Equipment List

Add Equipment

[Expand All](#) [Collapse All](#)

	Active	Unit #	Description	Type	Start - End Time	Idle Time		
	<input checked="" type="checkbox"/>	6-002	CAT CW34 Pneum	Compactor	0700 - 2000	2.0 HR	Edit	Delete
	<input checked="" type="checkbox"/>	6-034	CAT CB 64 Steel drum roller	Compactor	0700 - 2000	---	Edit	Delete
	<input checked="" type="checkbox"/>	44	Cat D6	Dozer	1200 - 1700	---	Edit	Delete
	<input checked="" type="checkbox"/>	14	CAT 140	Grader	0700 - 2000	5.0 HR	Edit	Delete
	<input checked="" type="checkbox"/>	12-137	Self propelled broom	Other	---	---	Edit	Delete
	<input checked="" type="checkbox"/>	MC 70	Prime coat tank	Other	---	---	Edit	Delete
	<input checked="" type="checkbox"/>	12-131	CAT AP 555E +pickup machine 12-132	Paver	0800 - 2000	---	Edit	Delete
	<input checked="" type="checkbox"/>	80	Cat 631G	Scraper	0700 - 1800	---	Edit	Delete
	<input checked="" type="checkbox"/>	83	Cat 615C	Scraper	0700 - 1800	---	Edit	Delete
	<input checked="" type="checkbox"/>	00	Bobcat S70	Skidsteer	0700 - 2000	---	Edit	Delete

Add Equipment

Weather

Explain how weather affected work on the project that day.



The “Rain Gauge Description” is the permanent location of the gauge (Field Office, for example.)

New Diary Reports



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[Diary Reports](#)

[Pre-2019 Inspection Diary Report](#)

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[Pre-2019 Project Diary Report](#)

New Diary Reports

Diary Reports «

Report Options

PCN:

Report: **Combined Weather** ▼

Date Range:  (mm/dd/yyyy) to  (mm/dd/yyyy)

Contractor:

- Project Diary
- Inspection Diary
- Combined Diary (All)
- Labor Force By Type
- Labor Force By Date
- Equipment By Type
- Equipment By Unit Number
- Combined Weather
- Combined Remarks
- Amendments - Project Diary
- Amendments - Inspection Diary

Diary Reports «

Report Options

PCN:

Report: **Combined Diary (All)** ▼

Date Range:  (mm/dd/yyyy) to  (mm/dd/yyyy)

Contractor: **All** ▼

Inspector: **All** ▼

Diary Reports «

Report Options

PCN:

Report: **Equipment By Type** ▼

Date Range:  (mm/dd/yyyy) to  (mm/dd/yyyy)

Contractor: **All** ▼

Equipment Type: **Select Type** ▼

Equipment Status: Active Inactive Both

Show Comments: **Yes** ▼

Equipment Report Example

Equipment by Unit

Prime Contractor: DAKOTA UNDERGROUND COMPANY

Location: US BUSINESS 10, FARGO MAIN AVE (BROADWAY TO 2ND STREET)

Type of Work: PORTLAND CEMENT CONCRETE PAVEMENT, CURB & GUTTER, STORM SEWER, WATERMAIN, SIDEWA

Project ID: CPU-NHU-8-010(043)940 PCN: 22352

Contractor: ALL

Types: ALL Units: 140M Active:

Date	Contractor Inspector	Active	Amended	Start	End	Hours	Idle Time
Comment							
Unit:	140M	CAT with Trimble Total Station Prism					
Type: Grader							
07/26/19		Y		13:00	19:00	06:00	
07/27/19		Y		7:00	13:00	06:00	
08/13/19		Y		9:00	18:00	09:00	
08/26/19		Y		7:00	17:00	10:00	4:00
08/27/19		Y		12:00	18:00	06:00	
08/28/19		Y		7:00	11:00	04:00	
08/29/19		Y		7:00	09:00	02:00	
140M Totals						43:00	4:00
Grand Totals						43:00	4:00

Materials Dropbox

Materials Dropbox

Document Entry | Document Viewer

Add Materials Form

Prior to adding a form, verify that all reports and worksheets show the tester's name and Tech ID.

*Material: ⓘ

*Materials Form Name:

*Tester / Inspector: ⓘ

*Document: No file chosen
 File can be no larger than 25 MB.

*Date: ⓘ (mm/dd/yyyy)

Pass / Fail: ⓘ

Materials Dropbox

Document Entry | Document Viewer

Filter Options

Date Range: (mm/dd/yyyy) to (mm/dd/yyyy) (Limited to 31 Days)

Material:

Materials Form Name:

Tester / Inspector:

Pass / Fail:

[Expand All](#) [Collapse All](#)

October 24, 2019			
MT_sfn18456.oct.24.pdf	(SFN 18456) Water Content Determination	Concrete	PASS
MT_sfn2455.oct.24-2.pdf	(SFN 2455) Concrete, Sand, and Gravel Worksheet	Concrete	PASS
MT_sfn2455.oct.24.pdf	(SFN 2455) Concrete, Sand, and Gravel Worksheet	Concrete	PASS
MT_SFN_9987.rev.1.45.pdf	(SFN 9987) Aggregate Sample Worksheet	Aggregate	PASS
October 23, 2019			
October 22, 2019			
October 21, 2019			

October 31, 2018
 Asphalt Paving Work
 SFN ~~~~~
 SFN ~~~~~

October 30, 2018
 SFN ~~~~~
 SFN ~~~~~
 SFN ~~~~~
 SFN ~~~~~

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CARS

- Schedules
Dropbox
- Work Zone
Notifications
- Progressive
Estimate
Notifications

In the pipeline...



- Docusign
- Submittal
Exchange
- E-Ticketing
- Digital Media
Management
- Picture Aps

Date & Time: Mon, Mar 09, 2020, 15:31:56 CDT

Position: +046.819944° / -100.784687° (± 16.4 ft)

Altitude: 1785ft (± 9.8 ft)

Datum: WGS-84

Azimuth/Bearing: 196° S16W 3484mils True ($\pm 40^\circ$)

Elevation Angle: +01.5°

Horizon Angle: +01.6°

Zoom: 1.0X

Cluster of Trees

NDDOT



Theodolite

THE END

