

Dillon Tower Application

(Mobile)



Quick User Guide

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1 Introduction

The Dillon Tower Mobile Application is a program that will interface with the Quick Check-T via Bluetooth[™] and will support Data Collection and Reporting for Guyed Cell Tower maintenance.

The Dillon Tower Mobile Application:

- Calculates Target Tensions based on inputted parameters (Attachment Elevation, Guy Radius, Guy Rise or Drop, Wire Type, Wire Size, and Initial Tension percent), location-based temperature readings and American Society for Testing and Materials (ASTM) Breaking Strength Tables
- Stores Pre-Tension "initial" (Pre Tn) ad Post Tensioned (Post Tn) records along with Photos, Date & Time, and GPS coordinates
- Captures Maintenance Log with photos and comments
- Exports Full Site PDF report and Excel (CVS file) of the measurements via email
- Connects to Quick Check-T via Bluetooth[™]
- Available on both Android (Google Play Store) and iOS (Apple App Store)

1.1 Dillon Tower App Requirements

iOs:

- Minimum iOS version is 12.1
- o iPhone 7 and later have full support
- iPhone 5S through 6S Plus and SE will be able to run the app but may have limitations
- o iPad Air 1st gen and later are supported

Android:

• Minimum Android version is 6.0 (API Level 23 - Marshmallow)



· pair with Bluetooth devices

Introduction

2 Connecting to a Quick Check-T

- 1. Power on the Quick Check-T.
- 2. Click on the Dillon Tower icon on your Android or iOS mobile device:



3. From the **Site Inspections** screen, click on the **Devices** button.



4. From the **Devices** screen, click on the **Add Bluetooth Device** button if the Quick Check-T is not already listed in the Devices List.



5. The mobile device will now scan for powered on Quick Check-T's in the area and display them in the Devices List.



6. Select the Dillon-Serial Number of the device you want to connect to and **Name the Device,** then press **OK.**

7. Press the back arrow < to go back to the **Site Inspections** screen.



3 Application Settings

1. Click on the Dillon Tower Icon on your Android or iOS mobile Device:



2. From the Site Inspections screen, click on the settings Gear



- 4:22 2 2 2 . NE 27 14 . 75% 4:25 🖬 🗹 🗹 • N 🛪 🖳 🖉 🗐 75% 💼 Use Weather Service Application Settings Inspected By Temperature John Doe Fahrenheit Contractor Name Wind Speed **Dillon Tower Specialists** mph Email Length FT **GPS** Readings EHS Modulus of Elasticity in ksi 23000 Phone BS Modulus of Elasticity in ksi Weather Readings 24000 Use Weather Service Inspected By **Calibration Check Lockout** John Doe Contractor Name Demo Mode Dillon Towor Specialiste Avery Weight-Tronix Copyright @ 2021 Avery Weight-Tronix Copyright © 2021 Beta Version 1.0.76 Beta Version 1.0.76 111 0 < 111 0 <
- 3. The Application Settings lets you change the default parameters of the Tower Application.

- **Temperature** Used for Calculating Target Tensions.
 - Fahrenheit (Default)
 - Celsius
- Wind Speed Displayed on Wire Tension Screen and included in the Reports.
 - mph (Default)
 - kph
 - m/s
 - knots
- Length Attachment Elevation, Guy Radius, Guy Drop/ Rise unit of measure.
 - Feet FT (Default)
 - Meters M

- GPS Readings Which device's GPS is used when storing Pre Tn and Post Tn Readings.
 - Phone (Default)
 - Quick Check
 - The GPS feature must be enabled in the Quick Check.
- Weather Readings Used for Calculating Target Tensions.
 - Use Weather Service (Default)

- The Tower App uses the OpenWeather API to gather local weather information (Temperature and Windspeed). This does require that the mobile device has a Data connection (WiFi or Cellular) and location services enabled.

Key in Manually

- This allows the end-user to key in Temperature and Windspeed into the Wire Tension screen, so if the mobile device does not have a Data connection on site, they can still progress with the plumb and tensioning of the guy wires.

- **Inspected by -** This is the end-user's name and will be automatically inserted into each New Site Inspection that is created.
- Contractor Name This is the name of the company performing the Tower Site Inspection or Maintenance and will be automatically inserted into each New Site Inspection that is created.
- **Email** This is the end-user's email and will be used when reports are exported off the phone via email.
- **EHS Modulus of Elasticity in ksi** This is used to calculate the Target Tensions on the Wire Tension screen.

• Default is 23,000, but different values can be entered and used.

- **BS Modulus of Elasticity in ksi** This is used to calculate the Target Tensions on the Wire Tension screen.
 - Default is 24,000, but different values can be entered and used.
- Calibration Check Lockout On/Off

• When enabled, this feature reuires the end-user to perform a Calibration Check on the Wire Tensions Screen before Pre Tensioned "Initial" (Pre Tn) and Post Tensioned (Post Tn) readings can be stored.

• **Demo Mode** On/Off

• When enabled, a default set of 16 Wire Sizes will be available on the Wire Tension screen, even if they are not part of the current Quick Check-T's calibration. This is intended for Application Demos and not for regular use. (Default is OFF)

4. After making changes, press **OK** to return to the **Site Inspections** screen.

4 Creating a new Site Inspection



- 1. Click on the Dillon Tower icon on your Android or iOS mobile device:
- 2. From the **Site Inspections** screen, click on the **New Inspection** button.



3. This brings up a Site information screen where descriptive information can be entered for the Site the end-user is performing an Inspection or Maintenance on.

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Site Information	Site Information
Site ID	Site ID
	Dillon-123456
Site Name	Site Name
	Dillon Test Site
Site Address	Site Address
Inspection Date	Inspection Date
4/6/2021	< Sites Site's Sister ····
Contractor Name	1 2 3 4 5 6 7 8 9 0
Dillon Tower Specialists	qwertyuiop
Inspected By	e s s s i ()
John Doe	азитупјкт
Tower Specifications	😚 z x c v b n m 🗵
GPS Latitude	!#1 English (US) Done
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- Site ID This is a <u>required field</u> as the Records and Report reference this ID.
- **Site Name -** This is a <u>required field</u> as the Records and Report reference this Name.
- Site Address optional Address of the Site.
- Inspection Date Pre-populated with the Date and Site information, if entered.
- Contractor Name This is the name of the company performing the Tower Site Inspection or Maintenance. This is pre-populated if entered on the Application Settings screen.
- **Inspected by -** This is the end-user's name. This is pre-populated if entered on the Application Settings screen.
- **GPS Latitude & Longitude -** These are the manually entered GPS coordinates of the Tower, if known.

- Tower Manufacturer Name enter if known.
- **Tower Type -** enter if known.
- Tower Structure Height enter if known.
- Face Width This is the face width of the Tower, enter if known.
- Site Photo This feature allows the user to add a single photo of the Tower Site sign located at the site.
 - Camera this button pulls up the mobile device's camera application.
 - **Photo Gallery** this button pulls up the mobile device's photo gallery to search for a photo that has already been taken.

• **Delete Photo** - this removes the current Site Photo so another can be taken in its place.

Example of Site Information:

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EHLDOW	EDILL COM	(=) (HELCH4
Site Information	Inspected By	-94.4611
Site ID	John Doe	Tower Manufacturer Name
Dillon-123456	Tower Specifications	ABC inc.
Site Name	GPS Latitude	Tower Type
Dillon Test Site	43.6522	25 Series Guyed
Site Address	GPS Lonaitude	Tower Structure Height
1000 Armstrong Dr Fairmont, MN 56031	-94.4611	450 ft
	Tower Manufacturer Name	Face Width
Inspection Date	ABC Inc.	3.145 ft
4/6/2021	Tower Type	Site Photo
Contractor Name	25 Series Guyed	CANTER
Dillon Tower Specialists	Tower Structure Height	CAMERA
Inspected By	450 ft	PHOTO GALLERY
John Doe	Face Width	STTE LD#: MS04594 FCC#: 1216076 LEASING 1800 4574/TE (7483
Town Secretions	3.145 ft	DELETE PHOTO EMERGENCY 18880 950-STE 174831
GPS Latitude	Site Direta	
	Sile Prioro	
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then press Save & Exit.

5 Quick Calibration Check



- 1. Click on the Dillon Tower Icon on your Android or iOS mobile device:
- 2. From the **Site Inspections** screen, select the Inspection you would like to add wire tension readings to.



3:36 🖾 🖾 🔹 NE 🖀 🖙 📶 82% 🖬 × Site Inspection Steps М Site Information \geq 123456 Wire Tension Stored Records > 2 > Maintenance Log Max Summary > Save and Exit > 72 111 0 <

> At this time, the mobile device will attempt to wirelessly connect to the Quick Check-T selected in the **Devices** screen. If unsuccessful, ensure the Quick Check-T is powered on and visible in the **Devices**.

4. Once connected, the Quick Check-T Device information (Capacity, Serial Number, and Calibration Due Date) will be visible at the top of the screen. The live Tension reading will also be visible.





5. The Check Calibration button at the bottom of the Wire Tension screen enables the user to check the Quick Check-T to ensure it is within calibration. When the user presses the **Check Calibration** button, the user is prompted to insert the Calibration Check Rod that was calibrated with the Quick Check-T.

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Wire	Tension	
Device Name - Quick	Check-T	
Capacity: 10000 lbf	4/6/21 3	:39 PM
SN: 107134	Site ID: D	illon-123456
Cal Due: 4/10/2022	Cal Chec	k: No
Target	lbf	Max
Talget	WIIII	IVIDX
Select Wire		
Constant of the second		
Sheave Position:		
Anchor	Guy Level	
PRE TENSION		
Temp Wind		12
XX A	Q	Ó
Zero Units	Screens	shot Photo
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CAUTION!

Before using the calibration check rod, verify that the middle sheave of the Quick Check-T is in the "T" position. Using the calibration check rod with the middle sheave in any other position will result in damage to the rod, requiring both the rod and Quick Check-T to be sent in for recalibration.

5 Quick Calibration Check

The calibration check rod included with the Quick Check-T is intended to verify the tension meter is within calibration. Each calibration check rod is stamped with a serial number and the Quick Check-T will have a calibration associated with that serial number.



 Clamp the Quick Check-T onto the calibration rod. Be sure the rod is riding in the center groove of all three sheaves, as shown above. The tension displayed should be 2000 lbs ±80 lbs at 70 degrees Fahrenheit (approximately 21 degrees Celsius) to be considered within tolerance. 7. Press the **Check Calibration** button on the Tower App to store the Cal Check reading. If the reading is within tolerance, **Cal Check: Yes** will be displayed at the top of the screen and will be exported in the report summary.





The Tower App accepts calibration Check Rod Tension readings between 2000 lbs \pm 80 lbs to take into consideration temperature variations while on site. It is recommended to send in the Quick Check-T and Cal Rod for calibration every 12 months or as indicated by the Calibration Due Date on the Quick Check.

8. Press **Done** to return to the **Wire Tension** screen.



The Check Calibration process changes the selected Wire to the Cal Rod on the Quick Check-T. Before using the Quick Check, ensure the proper wire size is selected on the Wire Tension screen.

5 Quick Calibration Check

6 Wire Tension Readings



- 1. Click on the Dillon Tower icon on your Android or iOS mobile device:
- 2. From the **Site Inspections** screen, select the Inspection you would like to add wire tension readings to.





At this time, the mobile device will attempt to wirelessly connect to the Quick Check-T selected in the Devices screen. If unsuccessful, ensure the Quick Check-T is powered on and visible in the **Devices** menu.

4. Once connected, the Quick Check-T Device information (Capacity, Serial Number, and Calibration Due Date) will be visible at the top of the screen. The live Tension reading will also be visible.

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1	Wire	e Tension	
	Delite March Coldi		
	Device Name - Quick	4/6/01 0	-20 DM
	SN: 107134	4/0/21 3 Site ID: D	:39 PM illon-123456
	Cal Due: 4/10/2022	Cal Chec	k: No
		lbf	
	Target	Min	Max
		-	
	Select Wire		
	Second Street Street		
	Sheave Position:		
		Guv	
	Anchor	Level	
		1	
	PRETENSION		
	Temp Wind		12
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	Zero Units	Screen	shot Photo
		0	1
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5. The Target, Min & Max Tensions will be blank. Once the Tower and Guy Wire measurements are entered, these will be calculated.

6. Press the white box next to **Select Wire** to choose the Wire Size selection. This list is comprised of all the Wire calibrations in the current connected Quick Check-T.

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1/4" 1-7		
5/16" 1-7		
3/8" 1-7		
7/16" 1-7		
1/2" 1-7		
1/2" 1-19		ſ
9/16" 1-19		
5/8" 1-7		
5/8" 1-19		l
11/16" 1-19		
3/4" 1-19		
13/16" 1-19		
	11 5 - 51416	CANCEL
111	0	<

7. Once you select a wire, it will now be visible on the Wire Tension screen and will be selected on the Quick Check-T. The Colored Box next to the Wire Size indicates the paint color of the overwrap on the guy wire cable (Blue in the 1/2" cable example below).



When connected to Tower Application, the mobile device is considered the master. If the Wire selection is changed on the Quick Check-T, the mobile device will set it back to the size selected in the application automatically within a few seconds.





8. Press the white box next to **Anchor** to choose the Anchor selection. The selected Anchor will show up on the Wire Tension screen as well as the Quick Check-T's screen.





9. Press the white box next to **Guy Level** to choose the Guy Level (Wire) selection. The selected Guy Level will show up on the Wire Tension and the Quick Check-T's screens.







It is important to have an Anchor & Guy Level selected, as the Pre Tension and Post Tension readings are stored with reference to the chosen selections.

10. Enter in the Tower Measurements (Attachment Elevation, Guy Radius, Guy Drop/Rise) by pressing the white boxes next to the labels.



- At this time, you can also change the Wire Type from Extra High Strength (EHS) to Bridge Strand (BS) and set the Initial Tension%.
 - Guy Drop/Rise: Default is 0
 - Wire Type: Default is EHS
 - Initial Tension%: Default is 10%

11. Once the Tower Measurements are entered, the Target, Min, and Max Tensions are calculated and displayed under the live tension reading. The Red Live Tension reading indicates the Tension is outside the Min/Max values of the Target tension. Once the Wire is within the Min/Max values, the Tension reading will be white.

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Wire Tension		W	ire Tension	
Device Name - Quick Check-T	Devi	ce Name – Qui	ck Check-T	
Capacity: 10000 lbf 4/6/21 3:46 PM SN: 107134 Site ID: Dillon-12345 Cal Due: 4/10/2022 Cal Check: No	56 SN: Call	acity: 10000 lbf 107134 Due: 4/10/2022	4/6/21 3:46 Site ID: Dillo Cal Check: N	PM n-123456 No
Target Min Max 2405 2165 264 Select Wire 1/2' 1-7 1/2' 1-7	x T -6 Set	24 Farget 2405 lect Wire 1/2" 1	Min 2165	of Max 2646
Sheave Position: P	She	eave Position: F	2	
Anchor A Guy 1	And	chor A	Guy Level	1
PRE TENSION		PRE TENSION		
Temp Wind	Ter	mo Win	nd	572
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12. The Temperature and Wind Speed are displayed on the Wire Tension screen and used to calculate the Target/Min/Max tension. By pressing the **Edit** icon, you can change whether the Temperature and Wind Speed are **Keyed in Manually** or updated automatically from the **Weather Service**.

• Weather Service (Default)

• The Tower App uses the OpenWeather API to gather local weather information (Temperature and Wind Speed). This does require that the mobile device has a data connection (WiFi or Cellular) and location services enabled.

• Key in Manually

• This allows the end-user to key in Temperature and Wind Speed into the Wire Tension screen.



13. Press the **OK** button when finished to return to the Wire Tension screen.

14. Pressing the **Pre Tension** button will store the initial Guy Wire Tension reading to the Anchor and Guy Level selection made. The value of the Pre Tension reading will show where the Pre Tension button used to me.



- 15. After a Pre Tension Reading has been stored, Screenshots and/or Photos can be attached to an Anchor & Guy Level record.
 - Pressing the Screenshot button at the bottom of the Wire Tension screen will store the current screen to the record. Multiple screenshots can be stored for each record.

 Pressing the Photo button brings up a screen to select either Camera or Photo Gallery for the source of the photo.



16. After the Guy Wire has been tensioned to target, the **Post Tension** button can be pressed to store the final tension to the Anchor and Guy Level selected. The value of the Post Tension reading will show where the Post Tension button used to be.



- 17. Additional Screenshots or Photos can be stored to this record as well by pressing the **Screenshot** or **Photo** buttons.
- 18. Once a Pre Tension reading has been stored, the GPS coordinates will be visible on the Wire Tension screen for that Anchor and Guy Level selection. By pressing the **Edit** icon, the user can change whether the GPS readings are from the mobile device or the built in GPS in the Quick Check-T.



19. Once selected, press **Close** to return to the Wire Tension screen.

Wire Tension Readings

7 Viewing Stored Records



- 1. Click on the Dillon Tower icon on your Android or iOS mobile device:
- 2. From the **Site Inspections** screen, select the inspection you would like to view the stored records on.

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		Dittan	
Site Inspections		Site Information	
Dillon-123456 Dillon Test Site	4/6/21 ×	Site ID	
		Dillon-123456	J
		Site Name	
		Dillon Test Site	
		Site Address	
	- 1	1000 Armstrong Dr Fairmont, MN 56031	
		Inspection Date	
		4/6/2021	
		Contractor Name	
		Dillon Tower Specialists	
		Inspected By	
		John Doe	
		Tower Specifications	
DEVICES	WINSPECTION	GPS Latitude	
III O	<	III O <	



4. This screen shows a summary of all the Pre Tension (Pre Tn) and Post Tension (Post Tn) records stored for each Anchor and Guy Level.



5. By clicking on the Photo icon, the associated Screenshots and Photos can be viewed. By pressing the **X**, the screenshot and photo will be deleted from the record. Press **OK** to return to the Store Records screen.



6. By pressing any of the store records, the Wire Tension screen will be brought up with the selected Anchor and Guy Level settings already loaded. The intent is the user will periodically go to the Stored Records screen to see a summary of the guy tension measurements and jump to the selected Anchor and Guy Level to complete the Post Tension measurements after adjustments have been made.



8 Adding Maintenance Items to a Site Inspection Report



- 1. Click on the Dillon Tower icon on your Android or iOS mobile device:
- 2. From the **Site Inspection** screen, select the Inspection you would like to add the Maintenance Items to.





, then press Maintenance Log.

4. Press Add New Record.

4:09 🖬 🖬 🛄	•		₩ % ~ / 77% ■
	Mainte	nance L	og
Site ID: Dillon-1	23456	Site Nam	re: Dillon Test Site
1			
1		ADI	D NEW RECORD
III		0	<

- 5. Enter the Maintenance Information into the Description box. You can also use the Camera and Photo Gallery button to add a single photo of the maintenance item. If additional photos are needed, just add additional maintenance records for those photos.
 - **Camera -** this button pulls up the mobile device's camera application.
 - **Photo gallery -** this button pulls up the mobile device's photo gallery to search for a photo that has already been taken.

• **Delete Photo -** this removes the current photo so another can be taken in its place.



6. Press **OK** to save Maintenance Record.



9 Exporting the Site Inspection Report



- 1. Click on the Dillon Tower icon on your Android or iOS mobile device:
- 2. From the **Site Inspections** screen, select the Inspection you would like to export the report from.





, then press **Summary**.

4. A preview of the Report will be shown on the screen. The preview is pan-able to enable the user to see the full report.

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Summary		(=)	Summary			Su	mmary		
Dillon	Test S	Dillon-123456 Dillon Test Site 1000 Armstrong	Dr Fairmont,	MN 56031	07134 0000 /1/0001	12:00:00 A	M		
Site ID	Dillon-12345	Dillon Tower Spe	cialists		rue				_
Site Name	Dillon Test S	John Doe			GUY T	ENSION MI	ASUREN	IENTS	
Site Address	1000 Armstr	4/6/2021 3:24:3	7 PM					GPS Lati	tude
Contractor Name	Dillon Tower	4.61 mph						GPS Longi	itude
Inspected By	John Doe	ESE							
Inspection Date	4/6/2021 3:							Courses of	
Wind Speed	4.61 mph	TOWER S	PECIFICATIO	NS	Туре	Size	Temp	Pre Tn	Mir
Wind Direction	ESE	ABC inc.			EHS	1/2' 1-7	73 °F	2400 lbf	lbf
		25 Series Guyed							
	TOWE	450 ft			ANCHO	R AND GUY	LEVEL I	MAGES	
Tower Manufacturer Name	ABC inc.	3.145 ft					Anchor	A Guy Lev	el 1
Tower Type	25 Series Gu	43.6522					Interior		
Tower Structure Height	450 ft	-94.4611		_					
Face Width	3.145 ft			_				Wite Tensing	
GPS Latitude	43.6522	DILLON	QUICK CHECK	(-Т			Gentue Mar	e pasi theat	240 PM
GPS Longitude	-94.4611	Dillon-107134					SN 107154	STEID	Dilon 12
EXPORT AS PDF		EXP	ORT AS PDF			EXPO	IRT AS PDI	k	
EXPORT DATA FOR EX	CEL	EXPORT	DATA FOR EXC	EL		EXPORT D	ATA FOR E	XCEL	
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- 5. Press the **Export as PDF** button. This brings up the sharing options that are available on the mobile device.
 - Press Email to send the Site Report via email.
 - Press Save to Drive to save the Site Report to your Google Drive account. (This can be used if the size of the PDF is too large to email).



The exported PDF contains all the Site Information, Wire Pretension "initial" (Pre Tn) and Post Tension (Post Tn) readings, Guy Wire photos & screenshots, and the Maintenance items and photos.

Dillon Test Site (Dillon-123456)

Site ID	Dillon-123456	
Site Name	Dillon Test Site	
Site Address	1000 Armstrong Dr Fairmont, MN 56031	
Contractor Name	Dillon Tower Specialists	
Inspected By	John Doe	DILLUN
Inspection Date	4/6/2021 3:24:37 PM	
Wind Speed	4.61 mph	
Wind Direction	ESE	

TOWER SPECIFICATIONS		
Tower Manufacturer Name	ABC inc.	
Tower Type	25 Series Guyed	
Tower Structure Height	450 ft	
Face Width	3.145 ft	
GPS Latitude	43.6522	
GPS Longitude	-94.4611	

	DILLON QUICK CHECK-T ne Dillon-107134 107134 10000 1/1/0001 12:00:00 AM 1/1/0001	
Dillon Device Name	Dillon-107134	
Serial#	107134	
Capacity	10000	
Cal Due	1/1/0001 12:00:00 AM	
Cal Check	True	

GUY TENSION MEASUREMENTS										
Anchor	(1.0.0.)						GPS Latit	ude		44.112793
Anchor	(Leg)		A GPS Latitude 44.112793 GPS Latitude 44.112793 GPS Longitude -94.234278 adius Drop- Rise Type Size Temp Pre Tn Min Max Post Tn 50 ft 0 ft EHS 1/2° 1-7 73 °E 2400 lbf lbf lbf 2500 lbf							
Guy Level	Elev.	Radius	Drop- Rise	Туре	Size	Temp	Pre Tn	Min	Max	Post Tn
1	150 ft	650 ft	0 ft	EHS	1/2" 1-7	73 °F	2400 lbf	lbf	lbf	2500 lbf

- 6. Press the **Export Data For Excel** button. This brings up the sharing options that are available on the mobile device.
 - Press **Email** to send the Site Report via email.
 - Press **Save to Drive** to save the Site Report to your Google Drive account.

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	Summary	
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TowerIn	spectionExport.cs	sv
Share the or Nearly Share	e instantly with peopl ther person's device, oy Share is turned on	e nearby. On make sure that in the quick
Б	Drive	
Quick Share	mail Save to Dri	ve Bluetooth
	0	<

The exported file is a CSV (Comma-Separate Vales) file that can be imported into a spreadsheet program like Microsoft Excel. The file contains all the Site Information, Wire Pre Tension (Pre Tn) and Post Tension (Post Tn) readings, and text descriptions of the Maintenance Log.

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SITE INFORMATION							1				-		
Site ID	Dillon-123456												
Site Name	Dillon Test Site												
4 Site Address	1000 Armstrong Dr Fairmont, MN 56031												
Contractor Name	Dillon Tower Specialists												
5 Inspected By	John Doe												
Inspection Date	4/6/2021 15:24												
Wind Speed	4.61 mph												
Wind Direction	ESE												
0													
1 TOWER SPECIFICATIONS													
2 Tower Manufacturer Name	ABC inc.												
3 Tower Type	25 Series Guved												
4 Tower Structure Height	450 ft												
5 Face Width	3.145 ft												
6 GPS Latitude	43.6522												
7 GPS Longitude	-94.4611												
8													
9 DILLON QUICK CHECK-T													
0 Dillon Device Name	Dillon-107134												
1 Serial#	107134												
2 Capacity	10000												
3 Cal Due	1/1/0001 12:00:00 AM												
4 Cal Rod	TRUE												
5													
6 GUY TENSION MEASUREMENTS													
7													
8 Anchor (Leg)	GPS Latitude	GPS Long	i Guy Level	Elevation	Guy Radi	u Guy Drop	Wire Typ	eSize	Tempera	at Pre Tri	Min	Max	Post Tn
A	44.112793	-94.2343	1 1	150 ft	650 ft	Oft	EHS	1/2" 1-7	73 F	240	0		2500
2													
1													
2													
3 MAINTENANCE LOG													
4 Fix Gate													
5 Improper guy wire safety 8 on a	4												
6													