

**GREEN SHEETS**

**SUBMITTALS  
FOR CONDITIONAL QUALIFICATION  
CONTROLLER EQUIPMENT**

**PROJECT MANAGER:** \_\_\_\_\_

**PROJECT:** \_\_\_\_\_

**HIGHWAY:** \_\_\_\_\_

**COUNTY:** \_\_\_\_\_

**CONTRACT NO.:** \_\_\_\_\_

**SUBMITTING CONTRACTOR:** \_\_\_\_\_

**DATE SUBMITTED:** \_\_\_\_\_

**CONTRACTOR REPRESENTATIVE:** \_\_\_\_\_

**PHONE:** \_\_\_\_\_

## INSTRUCTIONS

These sheets are to be furnished for each project, by the Project Managers office. They are found on ODOT's Internet site at [http://www.oregon.gov/ODOT/Engineering/Documents\\_TrafficStandards/GreenSheets.pdf](http://www.oregon.gov/ODOT/Engineering/Documents_TrafficStandards/GreenSheets.pdf)  
They should be down-loaded for each project, to insure that they are the most current copy.

These sheets will be accepted as equipment list in accordance with 00960.02 of the Standard Specifications.

### **INITIAL SUBMITTAL**

#### **The Contractor will:**

1. Submit **three** copies of the Green Sheets
2. Fill out the Green Sheets based on the projects requirements
  - a. For materials that are on the project:
    - i. Check the listed brand and circle the model to be used if more than one is listed, or
    - ii. Write in a brand and model proposed for installation based on the project plans and specifications.  
Submit one catalogue cut sheet for initial qualification.
    - iii. Do not mark more than one option per sub-category
  - b. For materials that are NOT on the project: Check the "NOT ON THIS PROJECT" box at the end of each list.

#### **The Inspector will:**

1. Review initial submittal and fill out the INITIAL SUBMITTAL box.
2. Submit write in products to the State Traffic Signal Engineer for approval.  
Call 503-986-3596 or e-mail ([scott.b.cramer@odot.state.or.us](mailto:scott.b.cramer@odot.state.or.us)) to submit cut sheet of the material.
3. Return one copy of the Green Sheets to the Contractor and one copy to TSSU ([Barbara.C.Golden@odot.state.or.us](mailto:Barbara.C.Golden@odot.state.or.us))

### **CONSTRUCTION**

Materials delivered to TSSU shall be clearly marked as to brand and model/part description (verified on materials), or shall be accompanied by supplier's certification as to brand and model/part description (copy attached).

#### **The Contractor will:**

1. Install materials QUALIFIED by the Inspector during the INITIAL SUBMITTAL and APPROVED by TSSU.
2. Install materials per plan and specification.

#### **The Inspector will:**

1. Verify materials installed match the Contractors INITIAL SUBMITTAL.
2. Coordinate with TSSU and Agency Electricians to INSPECT & ACCEPT materials installed
3. Send a final copy to Traffic Engineering Operations Section after construction.

#### **TSSU or Agency Electrician will:**

1. Verify materials installed match the Contractors INITIAL SUBMITTAL.
2. Verify the materials are installed per plan and specification.
3. Fill out the TSSU INITIAL CHAMBER TESTING box for each specific materials page.
4. Fill out the INSPECTED & ACCEPTED ON PROJECT box for each specific materials page.

### **ITS PROJECTS \*\*\*\*\* NEW\*\*\*\*\***

These instructions do not apply to ITS PROJECTS and the category "ITS Cabinet & Subassemblies". The initial submittal is reviewed and approved by the Engineer of Record. The inspection and acceptance is done by the Engineer of Record or ITS Tech. Write in products not allowed for ITS PROJECTS, follow 00960.02 instead.

### CONTROLLER CABINET

BRAND / MANUFACTURER	MODEL
<b>332S Cabinets ****NEW****</b>	
McCain	332S
MoboTrex	332S
Safetran Brand by Econolite	332S
<b>332 Cabinets</b>	
Safetran Brand by Econolite	332
McCain	332A
PSI (Phillips/Sisson Industries)	332
MoboTrex	332
<b>334 Cabinets</b>	
Safetran Brand by Econolite	334
McCain	334
<b>336 Cabinets</b>	
Safetran Brand by Econolite	336A
McCain	336a
<b>336S Cabinets</b>	
Safetran Brand by Econolite	336S
McCain	336s
<b>NONE ON THIS PROJECT</b>	

**INITIAL SUBMITTAL**

**CONDITIONALLY QUALIFIED**

**RETURNED FOR CORRECTION**

Date \_\_\_\_\_

Name \_\_\_\_\_

CTSI Card# \_\_\_\_\_

**TSSU Initial Chamber Testing Acceptance**

Date \_\_\_\_\_

Name \_\_\_\_\_

Oregon BCD License # \_\_\_\_\_

**TSSU/Agency Electrician Inspected & Accepted**

Date \_\_\_\_\_

Name \_\_\_\_\_

Oregon BCD License # \_\_\_\_\_

### CONTROLLER

BRAND / MANUFACTURER	MODEL
<b>2070 Controller 1B</b>	
Safetran Brand by Econolite	2070-1B
McCain	2070-1B
MoboTrex	2070-1B
Peek/ Quixote	2070-1B
Intelight	2070-1B
<b>2070 Controller 1E</b>	
McCain	2070-1E
MoboTrex	2070-1E
Naztec/Traffic Ware	2070-1E
Safetran Brand by Econolite	2070-1E
<b>ATC Controller</b> (Typically ODOT Furnished)	
Intelight	YCT-2070LDX-7A
Intelight (color touch screen)	YCT-2070-X3C
<b>NONE ON THIS PROJECT</b>	

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### CONFLICT MONITOR

	BRAND / MANUFACTURER	MODEL
<input type="checkbox"/>	EDI (Eberle Design Inc.)	210C
<input type="checkbox"/>	PSI (Phillips/Sisson Industries)	210A
<input type="checkbox"/>	McCain	208
<input type="checkbox"/>	Safetran Brand by Econolite	208
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<b>NONE ON THIS PROJECT</b>	

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### LOAD SWITCH

	BRAND / MANUFACTURER	MODEL
<input type="checkbox"/>	TSC (Traffic Sensor Corporation)	200
<input type="checkbox"/>	TSC (Traffic Sensor Corporation)	300
<input type="checkbox"/>	GDI (General Devices & Instruments)	LS200
<input type="checkbox"/>	PDC	SSS-88
<input type="checkbox"/>	PDC	SSS-87
<input type="checkbox"/>	PDC	SSS-85
<input type="checkbox"/>	IDC-SSD	200
<input type="checkbox"/>	EDI (Eberle Design Inc.)	200
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<b>NONE ON THIS PROJECT</b>	

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**FLASHER**

	<b>BRAND / MANUFACTURER</b>	<b>MODEL</b>
<input type="checkbox"/>	TSC (Traffic Sensor Corporation)	204
<input type="checkbox"/>	PDC	SSF-86
<input type="checkbox"/>	PDC	SSF-88
<input type="checkbox"/>	EDI (Eberle Design Inc.)	204
<input type="checkbox"/>	GDI Communications	FL204
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<b>NONE ON THIS PROJECT</b>	

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**DETECTOR AMPLIFIER**

	<b>BRAND / MANUFACTURER</b>	<b>MODEL</b>
<input type="checkbox"/>	Sarasota (Peek Traffic)	222
<input type="checkbox"/>	IDC/ Detector Systems	222
<input type="checkbox"/>	EDI (Eberle Design Inc.)	Oracle 2E
<input type="checkbox"/>	EDI (Eberle Design Inc.)	LM602
<input type="checkbox"/>	EDI (Eberle Design Inc.)	LM222
<input type="checkbox"/>	Reno A & E	Model C
<input type="checkbox"/>	Reno A & E	222
<input type="checkbox"/>	Canoga GTT	9004
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<b>NONE ON THIS PROJECT</b>	

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### ISOLATOR (DC and AC)

BRAND / MANUFACTURER	MODEL
<b><u>DC Isolator - 242</u></b>	
TSC (Traffic Sensor Corporation)	242
GDI (General Devices & Instruments)	242
PDC	DCI-82
EDI (Eberle Design Inc)	242
EDI (Eberle Design Inc)	242L
<b><u>AC Isolator - 252</u></b>	
TSC (Traffic Sensor Corporation)	252
GDI (General Devices & Instruments)	252
PDC	ACI-88/252
<b><u>AC Isolator - 255</u></b>	
PDC	ACI-88/255
<b>NONE ON THIS PROJECT</b>	

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### RADAR DETECTION

BRAND / MANUFACTURER	MODEL
<b><u>NEAR RANGE</u></b>	
Wavetronix w/ Click650/656 & Click112 & SDLC	Matrix
<b><u>FAR RANGE</u></b>	
Wavetronix w/ Click650/656 & Click112 & SDLC	Advance w/Extended Range
<b><u>SIDE FIRE</u></b>	
Wavetronix	HD
<b>NONE ON THIS PROJECT</b>	

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**RELAY (FTR) Generic Model 430**

	<b>BRAND / MANUFACTURER</b>	<b>MODEL</b>
<input type="checkbox"/>		
<input type="checkbox"/>	Midtex (Tyco/CII Technologies)	Type 136
<input type="checkbox"/>	PDC	FTR-91
<input type="checkbox"/>	Magnecraft (Tyco/CII Technologies)	W21ACPX-2
<input type="checkbox"/>	Struthers-Dunn	Type 136
<input type="checkbox"/>	Deltrol Controls	295
<input type="checkbox"/>	Reno A&E	TR-200
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<b>NONE ON THIS PROJECT</b>	

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**COMMUNICATIONS BRACKET**

	<b>BRAND / MANUFACTURER</b>	<b>MODEL</b>
<input type="checkbox"/>		
<input type="checkbox"/>	<b><u>Copper Interconnect</u></b>	
<input type="checkbox"/>	McCain	M46050
<input type="checkbox"/>	URS Electronics	6610872-FPA
<input type="checkbox"/>	Safetran Brand by Econolite	332-1319-5XX
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<b><u>Fiber Optic Interconnect</u></b>	
<input type="checkbox"/>	McCain	M46050-1
<input type="checkbox"/>	URS Electronics	6610247-FPA
<input type="checkbox"/>	Safetran Brand by Econolite	332-1320-5XX
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<b>NONE ON THIS PROJECT</b>	

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**PREEMPTION INTERFACE**

	BRAND / MANUFACTURER	MODEL
<input type="checkbox"/>		
<input type="checkbox"/>	<u>Standard</u>	
<input type="checkbox"/>	Opticom (GTT)	762
<input type="checkbox"/>	Opticom (GTT)	764
<input type="checkbox"/>	Strobecom II (Tomar)	2140
<input type="checkbox"/>	Strobecom II (Tomar)	3140
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<b>NONE ON THIS PROJECT</b>	

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**PREEMPTION DETECTOR (Field)**

	BRAND / MANUFACTURER	MODEL
<input type="checkbox"/>		
<input type="checkbox"/>	<u>Standard Optical</u>	
<input type="checkbox"/>	Opticom (GTT)	711
<input type="checkbox"/>	Opticom (GTT)	721
<input type="checkbox"/>	Opticom (GTT)	722
<input type="checkbox"/>	Strobecom II (Tomar)	2090
<input type="checkbox"/>	Strobecom II (Tomar)	2091
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<u>GPS</u>	
	(Use only if called out in plans)	
<input type="checkbox"/>	Opticom (GTT)	3100
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<b>NONE ON THIS PROJECT</b>	

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### RRFB (Rapid Rectangular Flashing Beacon) SYSTEMS

	BRAND / MANUFACTURER	MODEL
<input type="checkbox"/>	Eltec Corp.	RRFB
<input type="checkbox"/>	Tapco	2180-RRFBXLS
<input type="checkbox"/>	Tapco	2180-RRFBXLAS
<input type="checkbox"/>	Carmanah	R920 (E or F)
<input type="checkbox"/>	Carmanah	SC315-G
<input type="checkbox"/>	JSF	AB-9207
<input type="checkbox"/>	JSF	AB-9407
<input type="checkbox"/>	JSF	AB-9207-AC
<input type="checkbox"/>	JSF	AB-9407-AC
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<b>NONE ON THIS PROJECT</b>	

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**Note: The beacon systems include the solar panel & mount, batteries, charge control system, control system, cabinet & mount, and wiring. In addition the beacon & mount or RRFB & mount are included.**

### Fiber Optic Connection Patch Panel

	BRAND / MANUFACTURER	MODEL
<input type="checkbox"/>	Fiber Connections Inc - GatorPatch SC	G620J012FRB-Y-Z
<input type="checkbox"/>	Fiber Connections Inc - GatorPatch LC	G620U012FRB-Y-Z
<input type="checkbox"/>	Corning - Zeux SC	ZP-00-58-12-E-BZDIX-X
<input type="checkbox"/>	Corning - Zeux LC	ZP-00-02-12-E-BZDIX-X
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<b>NONE ON THIS PROJECT</b>	

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**ITS Cabinet & Subassemblies (FOR ITS PROJECTS ONLY)**

	BRAND / MANUFACTURER	MODEL
	<u>340 Cabinets (Ground mount)</u>	
	McCain	340
	<u>344 Cabinets (Pole mount)</u>	
	McCain	344
	<b>NONE ON THIS PROJECT</b>	

**INITIAL SUBMITTAL (ITS PROJECTS)**

**QUALIFIED BY EOR**

**RETURNED FOR CORRECTION**

Date \_\_\_\_\_

Name \_\_\_\_\_

**EOR/ITS Tech Inspected & Accepted**

Date \_\_\_\_\_

Name \_\_\_\_\_

Note: For ITS projects ONLY. See the project plans and special provisions.

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INITIAL SUBMITTAL - Seek Engineer of Record(EOR) for submittal approval.

\_\_\_\_\_

Inspected & Accepted - Seek Engineer of Record(EOR) or ITS Tech for inspection & acceptance.