

# Exhibit U

# QSI MATERIALS INCORPORATED INTO JMRI SOFTWARE

QSI Published Manual  
 dated 16 February 2005, page 161  
 Copyright TX 6-445-094

Jacobsen  
 Court Doc 237-31, Exhibit AD, page 10  
 October 2008

Feature ID	Feature	Signal Type	Allowed States	Feature ID	Feature	Signal Type	Allowed States
0	Null Output		All	102	Directional Mars Light	LA Toggled	All
1	Whistle	LA Toggled	All	103	Mars Light	LA Toggled	All
3	Bell	LA Toggled	All	104	Strobe Mars Light	LA Toggled	All
5	Dynamic Brakes	LA-SD Toggled	All	105	Number Board Lights	LA Toggled	All
8	Blower Hiss/Diesel Cooling Fans	LA Toggled	All	107	Directional Headlight + Directional Mars Light	LA Toggled	All
9	Long Air Let-off	TA Momentary	All	108	Directional Headlight + Directional Ditch Lights	LA Toggled	All
10	Short Air Let-off	TA Momentary	All	109	Directional Ditch Lights	LA Toggled	All
12	Pop-off	TA Momentary	FFF/NFR	110	Ditch Lights	LA Toggled	All
13	Blow Down	TA Momentary	FFF/NFR	111	Strobe Ditch Lights	LA Toggled	All
14	Injector	TA Momentary	FFF/NFR	144	Start Up	PA Momentary	FFF/NFR
64	Mute	LA-SD Toggled	All	145	Shut Down	PA Momentary	FFF/NFR
65	Doppler Shift	TA Momentary	FWD/REV	176	Air Brakes	TA/SD Toggled	FWD/REV
96	Directional Headlight	LA Toggled	All	178	Status Report	TA Momentary	FWD/REV
97	Directional Reverse Light	LA Toggled	All	177	Brise Control	TA-SD Toggled	FWD/REV
98	Headlight	LA Toggled	All	211	Coupler Effect	TA Enable and TA Momentary	All
99	Dim Headlight	LA Toggled	All	215	Squealing Brakes	TA Momentary	FWD/REV
100	Reverse Light	LA Toggled	All	216	Squealing Brakes + Air Brakes	TA Momentary	FWD/REV
101	Automatic Cab Lights	LA Toggled	All	217	Pumps	LA Toggled	FFF/NFR

```

<variables label=" - Neutral Only" CVName="33.8.1" CV="53" PI="8" SI="1"
default="144" comments="QSI" item="CV53.8.1">
<enumVal>
<enumChoice choice="Dynamic Brakes" value="5"/>
<enumChoice choice="Long Air Let-Off" value="9"/>
<enumChoice choice="Short Air Let-Off" value="9"/>
<enumChoice choice="Mute" value="64"/>
<enumChoice choice="Headlight" value="98"/>
<enumChoice choice="Dim Headlight" value="98"/>
<enumChoice choice="Reverse Light"/>
    
```

Case 3:06-cv-01905-JSW Document 237-31 Filed

Jacobsen  
 Court Doc 237-31, Exhibit AD, page 11  
 October 2008

```

<enumChoice choice="Automatic Cab Lights"/>
<enumChoice choice="Directional Mars Light"/>
<enumChoice choice="Mars Light"/>
<enumChoice choice="Number Board Lights"/>
<enumChoice choice="Directional Headlight + Directional Mars Light" value="178"/>
<enumChoice choice="Directional Headlight + Directional Ditch Lights"/>
<enumChoice choice="Ditch Lights"/>
<enumChoice choice="Strobe Ditch Lights"/>
<enumChoice choice="Start Up" value="144"/>
<enumChoice choice="Shut Down"/>
<enumChoice choice="Scale mph Report and Status Report" value="178"/>
<enumChoice choice="Coupler Effect" value="211"/>
<enumChoice choice="Pumps" value="217"/>
    
```