

# **Creating Incident Bypass Signs in MicroStation**

20A-3

Traffic and Safety Manual Chapter 20 Instructions Originally Issued: 05-01-18 Revised: 07-01-18

## Place Blank Incident Bypass Sign

To create an Incident Bypass Sign, it is necessary to first place a blank Incident Bypass Sign.

### In the trfeng-INCIDENT\_BYPASS\_SIGNING cell library

(pw:\\projectwise.dot.int.lan:PWMain\Documents\Standards\TrafficAndSafety\Microstation\Cells\trfeng-INCIDENT\_BYPASS\_SIGNING.cel), select the \_Blank INCIDT. Sign\_ cell and place it where you need it. This blank sign is where the separate Cardinal Direction, Route shield, and Directional Arrow components of the Incident Bypass Sign will be placed. These components can be placed in any order.

Ele					
<u>U</u> se Shared Cells Dis	play All Cells In Path			Display: Wireframe	•
Martin	Description	Type _		A	
Blank INCIDT. Sign_	_Blank INCIDT. Sign_	Grph	Lbry		
Cardinal_cox	Cardinal East	0.1	LUIY	TO	
Cardinal_North	Cardinal_North	Grph	Lbry		
Cardinal_South	Cardinal_South	Grph	Lbry		
Cardinal_West	Cardinal_West	Grph	Lbry	للقراصار المراجع	
Interstate 129	Interstate 129	Grph	Lbry	0212-0	
Interstate 235	Interstate 235	Grph	Lbry	Electricity of the second second	
Interstate 280	Interstate 280	Grph	Lbry	BEERENTLE OF 10 second BEERENTLE OF 10 second	
Interstate 29	Interstate 29	Grph	Lbry	The base of the ba	
Interstate 35	Interstate 35	Grph	Lbry		
Interstate 380	Interstate 380	Grph	Lbry		
Interstate 480	Interstate 480	Grph	Lbry		
Interstate 680	Interstate 680	Grph	Lbry		
Interstate 74	Interstate 74	Grph	Lbry		
Interstate 80	Interstate 80	Grph	Lbry		
Interstate 80N	Interstate 80N	Grph	Lbry		
lowa Highway 1	lowa Highway 1	Grph	Lbry		
lowa Highway 10	lowa Highway 10	Grph	Lbry		
lowa Highway 100	Iowa Highway 100	Grph	Lbry		
Iowa Highway 102	Iowa Highway 102	Grph	Lbry		
Iowa Highway 110	Iowa Highway 110	Grph	Lbry		
Iowa Highway 116	Iowa Highway 116	Grph	Lbry		
Iowa Highway 117	Iowa Highway 117	Grph	Lbry		
Iowa Highway 12	Iowa Highway 12	Grph	Lbry		
Iowa Highway 122	Iowa Highway 122	Grph	Lbry		
Iowa Highway 127	Iowa Highway 127	Grph	Lbry		
Iowa Highway 128	Iowa Highway 128	Grph	Lbry		
Iowa Highway 13	lowa Highway 13	Grph	Lbry		
Iowa Highway 130	Iowa Highway 130	Grph	Lbry		
Iowa Highway 136	Iowa Highway 136	Grph	Lbry		
Iowa Highway 137	lowa Highway 137	Grph	Lbry		
Iowa Highway 139	Iowa Highway 139	Grph	Lbry		
Iowa Highway 14	Iowa Highway 14	Grph	Lbry		
Iowa Highway 140	Iowa Highway 140	Grph	Lbry		
Iowa Highway 141	Iowa Highway 141	Grph	Lbry		
Iowa Highway 143	Iowa Highway 143	Grph	Lbry	*	
Active Cells					
Placement _Blank INCIDT. Se	gn_ Point E	ement		<u>E</u> dit	Delete
Terminator MONIT	Pattern	ONE		Create	Channe

## **Place Cardinal direction**

#### In the trfeng-INCIDENT\_BYPASS\_SIGNING cell library

(pw:\\projectwise.dot.int.lan:PWMain\Documents\Standards\TrafficAndSafety\Microstation\Cells\trfeng-INCIDENT\_BYPASS\_SIGNING.cel), select the North cell (or another cardinal direction cell as needed) and place in the top empty space on the \_Blank INCIDT. Sign\_ cell. Place by clicking the top left corner of the empty space. The size of the cardinal direction cell should match up exactly with the empty space.

🔍 Cell Library: [\trfeng-INCID	DENT_BYPASS_SIGNING.cel]			- • ×
Ble				
Use Shared Cells	Display All Cells In Path	Display: Wireframe		
Name ^	Description	Туре	1 Where	A
Blank INCIDT_Size		Genh	Lbry	
in the second second	Cardinal_East	Grph	and the second se	Line House
Cardinal_North	Cardinal_North	Grph	Lbry	
1 Couth	Cardinal_South	Grph	1	
Cardinal_West		Gipti	Lbry	-
Interstate 129	Interstate 129	Grph	Lbry	
Interstate 235	Interstate 235	Grph	Lbry	
Interstate 280	Interstate 280	Grph	Lbry	
Interstate 29	Intenstate 29	Grph	Lbry	parts and
Interstate 35	Interstate 35	Grph	Lbry	
Interstate 380	Interstate 380	Grph	Lbry	
Interstate 480	Interstate 480	Grph	Lbry	
Intentate 680	Interstate 680	Grph	Lbry	
Interstate 74	Interstate 74	Grph	Lbry	
Intentate 30	Interstate 80	Grph	Lbry	
Interstate 80N	Interstate 80N	Grph	Lbry	
Iowa Highway 1	Iowa Highway 1	Grph	Lbry	
Iowa Highway 10	Iowa Highway 10	Grph	Lbry	
Iowa Highway 100	Iowa Highway 100	Grph	Lbry	
Iowa Highway 102	Iowa Highway 102	Grph	Lbry	
Iowa Highway 110	Iowa Highway 110	Grph	Lbry	
Iowa Hichway 116	Iowa Hichway 116	Gmh	Lbry	
Iowa Highway 117	Iowa Highway 117	Grph	Lbry	
Iowa Highway 12	Iowa Highway 12	Grph	Lbry	
Iowa Highway 122	Iowa Highway 122	Grph	Lbry	
Iowa Highway 127	Iowa Highway 127	Groh	Lbry	
Iowa Highway 128	Iowa Highway 128	Groh	Lbry	
Iowa Hichway 13	Iowa Highway 13	Grph	Lbry	
Iowa Hichway 130	Iowa Highway 130	Gmh	Lbry	
Iowa Hichway 136	Iowa Hichway 136	Groh	Lbry	
Iowa Hichway 137	Iowa Hichway 137	Gmh	Lbry	
Iowa Hichway 139	Iowa Hichway 139	Gmh	Lbry	
Iowa Hichway 14	Iowa Hichway 14	Gmh	Lbry	
Iowa Highway 140	Iowa Highway 140	Grph	Lbry	
Iowa Highway 141	Iowa Highway 141	Groh	Lbry	
Iowa Highway 143	Iowa Highway 143	Grph	Lbry	•
Active Cells				
Placement Cardinal_North	Pgint Be	ment		Edt Delete
Terminator NONE	Pattern NO	NE		Greate Share



## Place Route Shield

In the trfeng-INCIDENT\_BYPASS\_SIGNING cell library

(pw:\\projectwise.dot.int.lan:PWMain\Documents\Standards\TrafficAndSafety\Microstation\Cells\trfeng-INCIDENT\_BYPASS\_SIGNING.cel), select the Interstate 35 cell (or another Route Shield cell as needed) and place in the middle empty space on the \_Blank INCIDT. Sign\_ cell. Place by clicking the top left corner of the empty space. The size of the route shield cell should match up exactly with the empty space.





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## **Place Directional Arrow**

In the trfeng-INCIDENT\_BYPASS\_SIGNING cell library

(pw:\\projectwise.dot.int.lan:PWMain\Documents\Standards\TrafficAndSafety\Microstation\Cells\trfeng-INCIDENT\_BYPASS\_SIGNING.cel), select the Diagonal Left Arrow cell (or another directional arrow cell as needed) and place in the bottom empty space on the \_Blank INCIDT. Sign\_ cell. Place by clicking the top left corner of the empty space. The size of the directional arrow cell should match up exactly with the empty space.

Ele					
C Use Shared Cells Displa	y Al Cells In Path				Display: Wreframe
Name ^	Description	Type A	Where	^	
lowa Highway 906	Iowa Highway 906	Grph	Lbry		
lowa Highway 92	lowa Highway 92	Grph	Lbry		
Iowa Highway 922	Iowa Highway 922	Grph	Lbry		12.000
Iowa Highway 93	Iowa Highway 93	Grph	Lbry		and the second se
lowa Highway 930	Iowa Highway 930	Grph	Lbry		E.J
lowa Highway 946	Iowa Highway 946	Grph	Lbry		
lowa Highway 96	Iowa Highway 96	Grph	Lbry		
Iowa Highway 965	Iowa Highway 965	Grph	Lbry		
Left Arrow	Left Arrow	Grph	Lbry		A 44 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Left Arrow-45 Decree	Lab terms (E.D. sure	Giph	Lbry		
Low-30 Degree	Left Arrow-90 Degree	Copper-	Lbry		
Left Arrow-Diagonal	Left Arrow-Diagonal	Grph			
Doubt Arrow	Right Arrow	Gmb	sony		
Right Arrow-wo beginse		Grph	Lbry		
Right Arrow-90 Degree	Right Arrow-90 Degree	Grph	Lbry		
Right Arrow-Diagonal	Right Arrow-Diagonal	Grph	Lbry		
Straight Arrow	Straight Arrow	Grph	Lbry		
US Highway 136	US Highway 136	Giph	Lbry		
US Highway 151	US Highway 151	Grph	Lbry		
US Highway 169	US Highway 169	Grph	Lbry		
US Highway 18	US Highway 18	Grph	Lbry		
US Highway 20	US Highway 20	Grph	Lbry		
US Highway 218	US Highway 218	Grph	Lbry		
US Highway 275	US Highway 275	Grph	Lbry		
US Highway 30	US Highway 30	Grph	Lbry		
US Highway 34	US Highway 34	Grph	Lbry		
US Highway 52	US Highway 52	Giph	Lbry		
US Highway 59	US Highway 59	Giph	Lbry		
US Highway 61	US Highway 61	Grph	Lbry		
US Highway 63	US Highway 63	Grph	Lbry		
US Highway 65	US Highway 65	Grph	Lbry	=	
US Highway 67	US Highway 67	Grph	Lbry		
US Highway 69	US Highway 69	Grph	Lbry		
US Highway 71	US Highway 71	Grph	Lbry		
US Highway 75	US Highway 75	Giph	Lbry		
US Highway 77	US Highway 77	Grph	Lbry	*	
Active Cells					
Elacement Left Arrow-Diagonal	Point Be	ement			Edt Delete
Terminator NONE	Pattern M	NE			Create Share



## Sign Details

In each of the components of the Incident Bypass Sign and the blank Incident Bypass Sign, there are levels dedicated to sign details.



When these components are placed into the blank Incident Bypass sign, these Sign details of the components should line up with the sign details of the blank Incident Bypass Sign. This is so that when the sign is completed, all details of the sign will be shown.





## **Incident Bypass Component Details**

For each Incident Bypass Component, there are sign details specifically for that component. These sign details are located on level trf\_sign\_Details\_Dimensions\_2 and are mainly used for when sheeting. This level should be turned off when presenting the entire Incident Bypass Sign with all the components attached.



