





## CONNECT Levels

The levels used for CONNECT workspace projects are provided in various level libraries. The main library for Bridge projects is lowaDOT\_Bridge\_Features\_Levels\_Elem Temp Imperial.dgnlib.





Placement of elements on levels is controlled by selection of features in several instances. For additional information refer to [CONNECT Feature Definitions](#).

The levels are shown below through views of Level Manager organized by application and use. The name, color, style, weight, and transparency of the levels are provided.






OpenBridge Modeler levels for decorations for placement or information for the bridge features. These levels have the plot attribute turned off.

Name				
OBD_D_Barrier_Outline	144	0	0	0
OBD_D_Beam_End	195	0	2	0
OBD_D_Beam_Layout	39	0	1	0
OBD_D_Beam_Layout_Text	135	0	0	0
OBD_D_Beam_PL_Offset	64	2	0	0
OBD_D_Bridge_Decorations	0	0	0	0
OBD_D_CrossFrames	156	0	0	0
OBD_D_Diaphragm_Concrete	0	0	0	0
OBD_D_Field_splice	0	0	0	0
OBD_D_Reports_Lines	36	0	0	0
OBD_D_Segmental_Deck_Outline	0	0	0	0
OBD_D_Segmental_Lines_Text	0	0	0	0
OBD_D_Shear_studs	0	0	0	0
OBD_D_Stiffeners	41	0	2	0
OBD_D_Sub	145	0	0	0
OBD_D_Sub_Text	135	0	0	0
OBD_D_Super	195	0	0	0
OBD_D_Super_Text	135	0	0	0
OBD_D_Unit_Label	34	0	0	0

OpenBridge Modeler levels for modeling bridge features. These levels have the plot attribute turned on except level OBD\_Construction\_Line.





















Name				
Auxiliary	2	0	2	0
BridgeExistingStructure	234	0	1	0
BridgeSubstructure	65	0	8	0
BridgeSuperStructure	3	0	8	0
Dirt	28	0	4	0
FlowableMortar	197	0	4	0
Neoprene	79	0	3	0
OBD_Barrier	190	0	6	0
OBD_Bridge_Piling	57	0	4	0
OBD_Construction_Line	0	0	1	0
OBD_Excavation	28	3	4	0
OBD_Field_Splice	7	0	0	0
OBD_Point	4	0	0	0
OBD_Support_Line	5	4	0	0
OBD_Tendon	200	0	3	0
OBD_Tendon_Centerline	0	3	1	0
PVC	73	0	3	0
Shading	233	0	0	60

ProStructures levels for elements modeled in ProStructures and rebar placement.

Name					
PC_BEAM	9	0	0	0	0
PC_COLUMN	8	0	0	0	0
PC_CONCRETE	4	Continuous	0	0	0
PC_COVER	9	0	0	0	0
PC_MARKER	6	0	0	0	0
PC_OBJECT	2	0	0	0	0
PC_PADFOOTING	134	0	0	0	0
PC_REBAR	5	Continuous	0	0	0
PC_REBAR_ABUT	4	0	2	0	0
PC_REBAR_APPROACH	4	0	2	0	0
PC_REBAR_BARRIER	4	0	2	0	0
PC_REBAR_CULVERT_CIP	4	0	2	0	0
PC_REBAR_CULVERT_PC	4	0	2	0	0
PC_REBAR_DECK	4	0	2	0	0
PC_REBAR_DIAPHRAGM	4	0	2	0	0
PC_REBAR_FOOTING	4	0	2	0	0
PC_REBAR_PIER	4	0	2	0	0
PC_REBAR_SLAB	4	0	2	0	0
PC_REBAR_WALL	4	0	2	0	0
PC_REBAR_WINGWALL	4	0	2	0	0
PC_SLAB	41	0	0	0	0
PC_STRIPFOOTING	4	0	0	0	0
PC_WALL	150	0	0	0	0
PS_BOLT	4	Continuous	0	0	0
PS_CONST	2	Continuous	0	0	0
PS_DAWA	5	Continuous	0	0	0
PS_HANDRAIL	69	0	2	0	0
PS_HATCH	3	Continuous	0	0	0
PS_HIDDEN	2	HIDDEN	0	0	0
PS_KOTE	4	Continuous	0	0	0
PS_MID	5	CENTER	0	0	0
PS_OBJECT	2	Continuous	0	0	0
PS_PLATE	1	Continuous	0	0	0
PS_POS	1	Continuous	0	0	0
PS_SHAPE	3	Continuous	0	0	0
PS_SOLID	7	Continuous	0	0	0
PS_WELD	1	Continuous	0	0	0
PS_WORKFRAME	6	Continuous	0	0	0

Additional levels used for CONNECT workspace projects are provided in lowaDOT\_FeatureDefinitions\_ElementTemplates\_Annotation\_Levels.dgnlib. These are primarily for use with OpenRoad Designer processes.

These levels may be used for modeling or detailing structures also. Those listed below are levels more typically used for structure projects. This is not intended to be an all-inclusive list. Levels available that are logical for placement of various elements can be used. These levels have the plot attribute turned on.

Name				
Aluminum	 194	———— 0	———— 4	0
BentoniteSlurry	 197	———— 0	———— 4	0
BridgeSubstructureExisting	 234	———— 0	———— 0	0
BridgeSubstructureProposed	 3	———— 0	———— 0	0
BridgeSuperStructureExisting	 234	———— 0	———— 0	0
BridgeSuperStructureProposed	 3	———— 0	———— 0	0
BridgeTemporaryStructure	 15	———— 0	———— 3	0
CulvertExisting	 234	———— 0	———— 0	0
CulvertProposed	 3	———— 0	———— 0	0
Joints	 31	———— 0	———— 3	0
Removals	 228	----- 2	———— 3	0
Revetment	 206	———— 0	———— 1	0
Revisions	 0	———— 0	———— 0	0
Steel	 57	———— 0	———— 4	0
Timbers	 6	———— 0	———— 4	0
WireMesh	 71	———— 0	———— 3	0