LEAP Library Configuration

1. The 4 LEAP configuration files

(LBC_IA.Ibclib, .BeamRebarPatterns.xml, .StirrupPatterns.xml, .StrandPatterns.xml) are available in the Iowa DOT ProjectWise standards at pw:\\NTPwint1.dot.int.lan:PWMain\Documents \Resources\ClientWorkspaces\IowaDOT\IowaDOTProduction\Organization-Civil\IowaDOT_Standards \Bridge Templates\ or can be downloaded from the website.

2. Export the four files from ProjectWise or download from the website and overwrite current version's of these files in the Library folder

C:\ProgramData\Bentley\LEAP Bridge Concrete OBD 10.XX\Lib\

3. Start LEAP Bridge Concrete. Click Options menu and select "Preferences"

Preferences		>
ProjectWise Preferences		
ProjectWise Login on Startup		
Program Preferences		
Default working folder:		
ABC Data Sets file:	C:\ProgramData\Bentley\LEAP Bridge Concrete OBD 10.10\Lib'	
Drawing Levels Sets file:	C:\Program Files\Bentley\OpenBridge Designer CE 10.10\LEAF	
Project tab "By" default value:	T. McDermott	
Check version updates by RS	s	
Library Setup		
Main Library Path	C:\ProgramData\Bentley\LEAP Bridge Con\LBC_IA.lbclib	
MicroStation Seed Files		
Seed 2D		
Seed 3D		
	ОК	Cancel

Navigate to LBC_IA.lbclib file location on C: .

Defining Stirrups

Click "Rebar Pattern"

rrups Rebars in Beam	Neg. Moment Contin	uity Steel									
Insert	Number of Legs	Stirrup S	ize	Stirrup Area (in^2)	Stin	rup Spacing (in)	Extends to Deck	Start (ft)		End (ft)	-
Copy	• 2	US#4[M13]	-	0.400		9.00	Yes	0.1043		3.1043	
Delete	2	US#5[M16]	-	0.620		9.00	× No	0.5000		2.7500	
Delete	2	US#5[M16]	-	0.620		9.75	× No	2.7500		3.5630	
Сору То	2	US#5[M16]	-	0.620		11.25	× No	3.5630		4.5098	
Make Symmetrical	2	US#4[M13]	•	0.400		10.50	Yes	3.1043		3.9793	
	2	US//4[M13]	•	0.400		12.00	Yes	3.9793		8.9793	
Delete All	2	US#4[M13]	-	0.400	-	18.00	Yes	8.9793		27.0207	
	2	US#4[M13]	-C30		^	12.00	Yes	27.0207		32.0207	1
ize: US#3[M10] V ags: 2 Auto-Design	1 00 1 66 1 44 1 22 1 00 0 88 0 0.0 0 0 44 0 22		C67 C71 C80 C75 D35 D40 D45 D50 D55 D60 D65 D70 D75 D80 D85 D80 D85			14.00 17.5	0 21.00 24	50 20.00 3	1.50 35.00	Anh rg roquired	
	0.00	0.00	095								

On "Stirrup" tab select the appropriate pattern from list and click "load"

Defining Rebar (top flange of beam)

Click "Rebar Pattern"

On "Rebars in Beam" tab select the appropriate pattern from list and click "load"



Defining Strands

Click "Strand Pattern"

Check box "Save/Load Strand Patterns"



Select the appropriate pattern from list and click "load"

