

# TECH TIP

#### CREATING AND PUBLISHING A CUSTOM REPORT PRIMAVERA UNIFIER

A custom report provides the flexibility to create high quality reporting within Unifier. The following steps outline how to publish a custom report. The custom report requires a Data View to extract the data and a design layout for the presentation layer. In this example we are looking at a simple custom report which lists the RFIs for a project.

#### 1. SELECT THE DATA VIEW

Data Views allow the user to create data sources which can be used in UDRs, custom reports and shell dashboards.

This example has a Data View already created called 'RFI\_Status'. Data Views are found by going to the Company Workspace > Data Structure Setup > Data Views node. For more information on how to create a Data View please refer to December's Tech Tip: How to Use A Data View in a UDR.

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DRMcNatty  License Manager  Partner Companies  UDesigner  Data Structure Setup  System Modules  Data Cube Definitions	File Edit View	
Data Definitions     Data Elements     Data Indexes	1 Item(s)	ews - Current View: <filtere< th=""></filtere<>
Data Views	Name ARFI_Status	Label Des RFI Status

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Opening the Data View will show the SQL query that retrieves RFI data.

Create a Data View	
Prefix:	unifier
Name:	RFI_Status
Label:	RFI Status
Description:	
SQL Definition:	SELECT project_id,
	record_no, title.
	status FROM unifier_urfi_view

Ensure the Data View is published.

Name 🔺	Label	Description	/	Publish Date	
RFI_Status	RFI Status	(		04/01/2016 01:30 AM	

To test that the Data View is retrieving information correctly, select the Data View record and click the 'Data' button from the Data Views menu. A window will display with the result set. If all looks good, then close the window. If the output is incorrect, you'll need to return to the Data View setup to modify.





#### 2. INITIATE REPORT AND GENERATE XML

The next step will be to create the custom report which can generate a sample XML data file. This XML file will be used in BI Publisher Desktop for Word to create the layout.

Go to Company Workspace > Configuration > Custom Prints and Reports node.

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P Access Control		Description	Type Internal Report	Page 1 Data Model Type Internal
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<ul> <li>Document Manager</li> <li>Portfolio Manager</li> <li>Resource Manager</li> </ul>	Contract Summary Contract Summary with Ac Cost Report		Internal Report Internal Report Internal Report	Internal Internal
Schedule Manager Shell Manager	Daily Reports Design Reviews		Internal Report Internal Report	Internal Internal
	Items Overdue		Internal Report	Internal



Click 'New' and select "Report with Internal Data Model" option.

Note: This example will create a 'Report with Internal Data Model'. The selected option will allow Unifier to handle the Data Model internally for any changes. If 'Report with External Data Model' was selected then the Data Model is managed externally through an XDM file (modified within BI Publisher). "Custom Print..." options are used to generate a single "document" type form, not a summary report.

Company Worksp	
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<ul> <li>DRMcNatty</li> <li>License Manager</li> <li>Partner Companies</li> <li>uDesigner</li> <li>Data Structure Setup</li> <li>Access Control</li> <li>User Administration</li> <li>Gateway</li> <li>Configuration</li> <li>Business Process</li> <li>Document Manager</li> <li>Portfolio Manager</li> <li>Resource Manager</li> <li>Schedule Manager</li> <li>Schell Manager</li> <li>Shell Manager</li> </ul>	File       View       Help         Image: New       Image: Open       Image: Oppy       X       Dec         Custom Print with Internal Data Model       Custom Print with External Data Model       Image: Open       Image: Open



The report window is displayed. Enter Name of the report and select Report Level and Main View values from the drop down.

The Report Level is either 'Program' or 'Project' determined by which level the report will be run. This example is run at the project-level.

The Main View will display a list of all published Data Views available. This example, RFI\_Status is selected.

General Views	Query	Parameters		
	Name:RFI Report		*	
	Description:			
			^	
			$\sim$	
Dat	ta Model Type: Internal		~	
Da	Report Level: Project		*	
	Main View: RFI_Status		*	
	main view.ptt 1_otatus		-	
		Apply OK	Cancel	

In the View tab click the 'Add' button for the 'Views used as data sets' section. In the View Name column select the same Data View. View Type should remain as the 'Main View' and enter an appropriate Data Set Name which will also populate the Data Set Tag column.

If your report uses multiple data sets, you would use the bottom section "Data Links" to create the linking or association between the data sets, but as this report has only one data set, leave this section blank.

Similarly, this example has no query conditions or parameters to include. Their tabs do not need to be modified.

Click the 'Apply' button.



General	Views	Query	Parameters				
Views used as data	sets:						
Row	View Name		View Type	Data Set Name	•	Data Set Tag	
0	RFI_Status		Main View	D\$1		D <b>S1</b>	
Add	Remove						>
Data links: Source Data Set	▲ Source Ele	ement	Target [	Data Set	Target Element		
					1		^
							~
Add	Remove						>
		C	Apply	OK Cancel			

Clicking 'Apply' will result in two new tabs being displayed, the Template File tab and Sample Data tab. Select the Sample Data tab to download the XML data that will be used to create the report design layout.

Select a project from the Sample Project pulldown list and select the number of sample records to bring back (this example is selected for 5 but the other options are 10, 50 or 100) and click the 'Generate' button.

Once data (in XML format) is displayed click the 'Download' button to save the XML data file to an appropriate location.



General Views	Query	Parameters	Template File	Sample Data	
Sample F		nshaw LAX Transit Co	rrid 🗸		
Number of rows to	return: 5	~			
xml version="1.0" encoding="UTF-8"?					
<data_ds></data_ds>					$\hat{}$
<uuu_p_reportbyf></uuu_p_reportbyf>					
<uuu_p_timezonef><th></th><td></td><td></td><td></td><td></td></uuu_p_timezonef>					
<uuu_p_diffminutesf>0<th></th><td></td><td></td><td></td><td></td></uuu_p_diffminutesf>					
<uuu_p_sysytimezoneid><uuu p="" searchconditionf=""></uuu><th></th><td></td><td></td><td></td><td></td></uuu_p_sysytimezoneid>					
<ul> <li><uuu li="" p_search<=""> <li><uuu p_urlf=""></uuu></li> </uuu></li></ul>	ICHCOnulionF>				
<uuu_p_ann> </uuu_p_ann>	>				
<uuu_p_companyregistryf><th></th><td></td><td></td><td></td><td></td></uuu_p_companyregistryf>					
<uuu_p_localef></uuu_p_localef>					
<uuu_p_datetimeformatf><th>eTimeFormatF&gt;</th><td></td><td></td><td></td><td></td></uuu_p_datetimeformatf>	eTimeFormatF>				
<ds1></ds1>					
<project_id>1018</project_id>					
<record_no>RFI-001<th></th><td></td><td></td><td></td><td></td></record_no>					
<title>MH at 60th, Remove &amp; amp; Re&lt;/td&gt;&lt;th&gt;place Paveme</title> <td></td> <td></td> <td></td> <td></td>					
<status>Pending</status>					
<project_id>1018</project_id> <record no="">RFI-002</record> <th>0</th> <td></td> <td></td> <td></td> <td></td>	0				
<title>Remove Banner at Rodeo and&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;math&gt;\checkmark&lt;/math&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;th&gt;Orenoniaw of TheE&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Generate Download&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;Apply OK&lt;/td&gt;&lt;td&gt;Cancel&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;</title>					

#### TE REPORT LAYOUT IN BI PUBLISHER DESKTOP

Next you will be working in Oracle Business Intelligence to create the report layout. This runs inside MS Word. If the BI Publisher Desktop for Word Plug-In has not been installed in MS Word, go to <a href="http://www.oracle.com/technetwork/middleware/bi-publisher/downloads/index.html">http://www.oracle.com/technetwork/middleware/bi-publisher/downloads/index.html</a> to download and install.

Once installed, the plug-in creates a new Bi Publisher tab in MS Word.

File	Home	Insert Page Layout	References	Review	View	Develo	per 🧲	BI Publisher					۵ (	?
Log On	Den View Repo	🐏 Upload Template 😭 Upload Template As rt 💀 Save XML Data	Sample XML	KML Schema	Table Wizard	Pivot Table	Chart	123 Field Table/Form Repeating Group	Conditional Format Conditional Region	Preview	Tools	Options		
	0	nline	Load	Data				Insert						

Click the 'Sample XML' folder icon to load the XML file downloaded from Unifier.

This example will use the Table Wizard (found in the BI Publisher toolbar) to create the report design layout.

Note: Once you are comfortable, you can also use the other BI Publisher commands to create more complex custom reports.

Select Table and click 'Next'.



Table Wizard		
10101.0010 101 101 10101.0010 10101.0010 10101.0010 10101.0011	● Table         ● Form         ● Free Form	at
	Cancel	Next Finish

Keep the Data Set selection the same (this is automatically read from the uploaded XML file) and click 'Next'.

Table Wizard		
	Which grouping field do you want to report on?	
101010010 101 101 101010010 10101011101 10101101	Data Set /DATA_DS/DS1	
	Cancel Back Next Finish	

Select all fields from the left hand pane and click '>>'. This will display all those fields in the report as columns.



Table Wizard				
	Which fields do yo	u want to sh	ow in your report?	
10101.0010 101 101 101 101010010 10101011 101 101011011 101011011	PROJECT_ID RECORD_NO TITLE STATUS	> >> <	PROJECT_ID RECORD_NO TITLE STATUS	^ V
			Running Total	
100110011	Cancel	Back	Next	Finish

Click 'Next' in this window since there is no grouping requirement for this report.

Table Wizard						
		How would	you like to group y	our report?		
10101:0010	Group By	•	Group above	🔲 Data alread	dy sorted	
101			Group left	Break:	No Break	•
	Then By		Group above	🗌 Data alread	ly sorted	
			Group left	Break:	No Break	~
10101:0010	Then By		Group above	🗌 Data alread	dy sorted	
10100011011			Group left	Break:	No Break	-
10011.0011	Then By		Group above	Data alread	lv sorted	
			Group left	Break:	No Break	-
		Cancel	Back	Next	Finish	

Sort data by Record\_No and in Ascending order, then click 'Next'.



Table Wizard		FI REPORT				
	Which fields would you like to use to sort the data?					
10101-0010	Sort By					
101010101	RECORD_NO -	Ascending	O Date/Text			
111		Descending	Number			
	Then By					
	<b>•</b>	Ascending	O Date/Text			
		Descending	Number			
	Then By					
10101011101	· · · · · · · · · · · · · · · · · · ·	Ascending	Date/Text			
10 1004110011		O Descending	Number			
10011.0011	Then By					
	· · · · · · · · · · · · · · · · · · ·	Ascending	Date/Text			
		O Descending	Number			
	Cancel	Back	Finish			

The Table Wizard automatically creates a table with the selected fields and column headings.

The design layout should now be saved in RTF format. This can be done through the File > 'Save As' option of Word, however, another option is to preview the report first (using the uploaded XML data).

The best option is to click the 'Preview' button and select the PDF option. This will automatically prompt you to save in RTF format. If you select File > Save As option, make sure you select the Rich Text (RTF) document type and NOT a standard Word (DOC, DOCX) format.

<b>W</b>   🔛	ງ • ປ  ຸ	RFI_	Report_Template0_1	- Microsoft Word			
File	Home Insert Page Layout	References Review	View Developer	BI Publisher		~	۵ (?)
Log On	Image: Open     Image: Open       Image: Open <th>Sample XML</th> <th>Table Pivot Chart Wizard Table</th> <th>🚝 Repeating Group</th> <th>Conditional Format Conditional Region</th> <th>Preview Tools</th> <th>Options</th>	Sample XML	Table Pivot Chart Wizard Table	🚝 Repeating Group	Conditional Format Conditional Region	Preview Tools	Options
L	Online	Load Data		Insert	5	🔁 PDF 📳	Excel2000
	RFI REPORT						RTF A
· · ·	PROJECT_ F PROJECT_			(TLE TLE	STATUS STATUS E	Word 64b	er Template Builder for it r add-in help.

After saving the design layout in RTF format, the preview PDF window will display.



#### **RFI REPORT**

PROJECT_ID	RECORD_NO	TITLE	STATUS
1018	RFI-001	MH at 60th, Remove &	Pending
		Replace Paveme	
1018	RFI-002	Remove Banner at Rodeo	Pending
		and Crenshaw	
1018	RFI-003	Grade Crossing Gate	Pending
		Equip Offset	_
1018	RFI-004	OCS Clearance to SCE	Pending
		220kV Line at	_
1018	RFI-005	Sec 018961 3.5	Pending
		Performance Req	-

#### 4. UPLOAD RTF LAYOUT TO UNIFIER

The RTF file can now be uploaded into the custom report in Unifier.

Go back to the report in Company Workspace > Configuration > Custom Prints and Reports node.

Open the report and select the Template File tab and click 'Add' button.





In the Add Template and Files window, enter a Template Name. Note: This is the description the user sees.

Select RTF Template Type and locate the RTF file using the 'Browse' button. Click 'OK' on this window and the previous one.

Add Template and Files - Internet Explore	er						
https://unifierdemo15.mlmprojectservices.com/bp/sys/bip/report/template?report_id=15&mode=new&;							
Template							
Template Name:	RFI Report	*					
Template Type:	RTF 🗸 *						
Layout File:	RFI_Report_Template.rtf	*	Browse				
Translated XLIFF files for the Template Chinese (Simplified):			Browse				
Chinese (Simplineu).			Browse				
Dutch:			Browse				
English:			Browse				
French:			Browse				
German:			Browse				
Italian:			Browse				
Japanese:			Browse				
Korean:			Browse				
			Browse				
Portuguese:							
Russian:			Browse				
Spanish:			Browse				
	OK Cancel						

#### 5. PUBLISH THE REPORT

Selecting the report record, publish the report using the 'Status' button.

🗊 New 🔹 🛱 Open 🗈 Copy 🗙 Delete 😰 Status 🔹 Find						
Custom Prints and Reports - Current View: <filtered attributes="" by="" find=""> [Cancel Filter]</filtered>						
1 Item(s) Page 1 of 1						
Name	Description	Туре	Data Model Type	Key	Report Level	Publish Date
RFI Report		Internal Report	Internal	uuu_15	Project	04/01/2016 05:01 AM

#### 6. MAKE REPORT AVAILABLE IN USER MODE

Once the report is published, it has to be made available in Unifier User Mode.

Go to Company Workspace > Configuration > User Mode Navigator node and open the Project/Shell record (this is the Project/shell navigator).



The report is seen in the available list of Available Modules and Business Processes.

Use the left arrow icon to move the report into an appropriate User Mode node. This example will move the report into the default Reports node.



The report is now under the Reports node. Click 'OK'.



After selecting the Project/Shell record click 'Deploy' to make the change available in User Mode.

🗊 New 🗸 🛱 Open 🗸 Error Check 👔 Deploy 📎 Delete 🔍 Find							
User Mode Navigator - Current View: All							
2 Item(s)							
Name	Last Saved	Last Deployed					
Company Workspace	11/07/2012 02:05 PM	11/07/2012 02:06 PM					
Project / Shell	04/01/2016 08:32 AM	03/03/2016 09:07 AM					



#### 7. SET PERMISSIONS FOR THE REPORT

The final step is to add the permissions for the report in the appropriate project. This will be completed by using the Shell Template to push the changes to the project.

Go to Company Workspace > Templates > Shells to locate the shell template to use.

Open the shell template.

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🛧 🔇 Navigate To		1	🖌 🕨 Cor
ACME General Construction     License Manager     I     Partner Companies	File Edit View Help ☐ New B Copy 2 0		
Designer     Data Structure Setup	Projects Templates - Current View: <filtered attribute:<br="" by="" find="">1 Item(s)</filtered>		
Access Control     Ser Administration     Seconfiguration	Project Number PT-001	Project Name PROJECT TEMPLATE	Status Active
Standards & Libraries			
Templates			
✓ A Shells ✓ Projects			
PROJECT TEMPLATE			

Select the Access Control node of the shell template and locate the report from the Reports node.

Note: Log out and then log back in if the report cannot be initially seen in the Reports node.

Select the report and a Permissions Settings window will appear.

Check the Group(s) required to access the report and click 'Modify'.





In the new window check the View setting and click 'OK'.

Permissions Setting f	or: RFI Report	
Select Users/Groups		
First Name 🔺	Last Name	Company/Manager
All Project Users	Company Administrator	
Permission Settings:	Add Users/Groups	
✓ View		
	OK Can	cel

Click 'Update Shells' to open up the module permission list. Locate and select the User Mode Access for the 'RFI Report'.

🗊 New 🖆 Open 🤍 Find 🗳 Update Shells 🖺 Access Information							
Access Control							
🦉 🦲 Update Projects/Shells - Internet Explorer							
https://unifierdemo15.mlmprojectservices.com/bp/admin/updateproje							
Update Shells 🛛 🖾 Close Window							
User Mode Access / Project Delivery / All / Lessons Learned							
User Mode Access / Project Delivery / All / Meeting Minutes							
User Mode Access / Project Delivery / All / Monthly Updates							
User Mode Access / Project Delivery / All / Notices to Proceed							
User Mode Access / Project Delivery / All / Project Closeout							
User Mode Access / Project Delivery / All / Punchlist							
User Mode Access / Project Delivery / All / Requests for Information (RFI)							
User Mode Access / Project Delivery / All / Submittal Register							
User Mode Access / Project Delivery / All / Submittals							
User Mode Access / Project Delivery / All / Transmittals							
User Mode Access / Project Delivery / All / Warranties							
User Mode Access / Reports / All Projects Contract Summary							
User Mode Access / Reports / Audit							
User Mode Access / Reports / RFI Report							
User Mode Access / Reports / User-Defined							
User Mode Access / Schedule Manager / Custom Calendars							
User Mode Access / Schedule Manager / Schedule Sheets							
User Mode Access / uMail / Public Items							



Click 'Update Shells' > Shells... from this window.

🖆 Update Shells 🔹 🗖 Close Window	
Module _ Shells	
User Mode Acce: All Shells ivery / All / Lessons Learned	~
User Mode Acces History ivery / All / Meeting Minutes	
User Mode Access roject delivery / All / Monthly Updates	
User Mode Access / Project Delivery / All / Notices to Proceed	
User Mode Access / Project Delivery / All / Project Closeout	
User Mode Access / Project Delivery / All / Punchlist	
User Mode Access / Project Delivery / All / Requests for Information (RFI)	
User Mode Access / Project Delivery / All / Submittal Register	
User Mode Access / Project Delivery / All / Submittals	
User Mode Access / Project Delivery / All / Transmittals	
User Mode Access / Project Delivery / All / Warranties	
User Mode Access / Reports / All Projects Contract Summary	
User Mode Access / Reports / Audit	
User Mode Access / Reports / RFI Report	_
User Mode Access / Reports / User-Defined	
User Mode Access / Schedule Manager / Custom Calendars	
User Mode Access / Schedule Manager / Schedule Sheets	~
User Mode Access / uMail / Public Items	

Select the project(s) this report will appear in and click 'Update Shell(s)' > Selected Shells from projects list window.

Update Shell(s)	Close V	Vindow	
Projects - Current	Selected Shell(s)	ibutes> [Cancel Filter]	
4 Item(s)	All Filtered Shells	Page 1 o	f 1 Disp
Project Number	Project Name	Status	<ul> <li>Location</li> </ul>
865512	Crenshaw LAX T	ransit Cor Active	/Los Angeles
405556	Crenshaw Enviro	nmental F Active	/Los Angeles
865512PE	Crenshaw LAX T	ransit Pre Active	/Los Angeles
465512	Crenshaw Conce	ptual Eng Active	/Los Angeles

Click 'Yes'.





#### 8. TEST REPORT PRINTING

The report now should be available and ready to test.

Go to the project in User Mode and select the Reports node. Select the report and click 'Open'.



The report query window now appears. The template uploaded has already been selected. Choose pdf for the format. Click the 'Report' button to run the report.

Note: The Search Parameters and Additional Parameters sections are blank since query conditions and additional parameters were not included.



RFI Report Query	
Search Parameters	
Additional Parameter	
Template:	RFI Report
Format:	PDF CExcel ORTF Text
	Report Close

The report will display in PDF format once the data has been retrieved. The report can now be saved or printed.

Note: You may also output reports in other formats (i.e. Excel, RTF, Text) depending upon your needs. Also in this example, we built ONE layout template for the report; however, you also have the option to build multiple layouts for the same base report should the layout needs change for different users/projects.



	RFI REPORT				
PROJECT ID	RECORD NO	TITLE	STATUS		
1018	REI-001	MH at 60th, Remove & Replace Paveme	Pending		
1018	RFI-002	Remove Banner at Rodeo and Crenshaw	Pending		
1018	RFI-003	Grade Crossing Gate Equip Offset	Pending		
1018	RFI-004	OCS Clearance to SCE 220kV Line at	Pending		
1018	RFI-005	Sec 018961 3.5 Performance Reg	Pending		
1018	RFI-006	AMc 0002 TPSS No. 1	Pending		
1018	RFI-007	TPSS 10 Build Out	Pending		
1018	RFI-008	Emergency Power Receptacles	Pending		
1018	RFI-009	Confirmation of Knock-out Panel	Pending		
1018	RFI-010	Crenshaw-MLK Station Confirmation	Pending		
1018	RFI-011	Electromagnetic Interference Rpt	Pending		
1018	RFI-012	Conad Dir to Remove Sig Fdn at Arli	Pending		
1018	RFI-013	Traffic Signal Loop Detect Costs	Pending		
1018	RFI-014	MLK Sta-Unknown SD Conflict with Ex	Approved		
1018	RFI-015	Changed SS Disposition & Conflict	Approved		
1018	RFI-016	MLK Water Vault	Approved		
1018	RFI-017	"Betterments" Requested LADOT	Approved		
1018	RFI-018	UG Struc-Air Entrained Conc Pct and	Pending		
1018	RFI-019	Status of Right of Entry	Pending		
1018	RFI-020	Acceleration vs Speed Curves/Table	Pending		
1018	RFI-021	Expo Temp Sewer Line 820 Align	Approved		
1018	RFI-022	Removal of Remaining UG Struct MLK	Pending		
1018	RFI-023	Excavation Support Monitoring Point	Pending		
1018	RFI-024	Excavation Support Monitoring Point	Approved		
1018	RFI-025	2in Buried Water Hose - Vernon	Approved		
1018	RFI-026	Resp From LABOE for Expo Temp line	Pending		
1018	RFI-027	Pole Mounted OCS Disconnect Switch	Pending		
1018	RFI-028	Brynhurst 21in Storm Drain UID 1364	Approved		
1018	RFI-029	Slauson Ave Widening Existing Pwr	Pending		
1018	RFI-030	La Brea review by LABOE	Approved		
1018	RFI-031	Clarify Gas Membrane Requirement	Approved		
1018	RFI-032	Gas Line at TPSS 4	Approved		
1018	RFI-033 RFI-034	Greenline Ex Plinth Removal Demo	Approved		

