

PROJECT SCHEDULE BRIDGE (VERSION 2.0.0) INSTRUCTIONS

Project Schedule (Bridge) is an Excel Worksheet created using *Microsoft office 2003 Professional or Microsoft Excel 2003*.

I. HOW TO DOWNLOAD THIS EXCEL FILE FOR YOUR PROJECT?

Download the **Field Inspection & Report Submission Schedule** file from our webpage at <http://www.state.nj.us/transportation/eng/structeval/downloads.shtm>. After the download is complete, change the name of this file as:

GGGG_YYYYMMDD_PSNN_XX.xls

where, ***GGGG*** are the four to five characters of **Group Number** (e.g., ***21B7***)

YYYYMMDD is the current **Submission Date** of this schedule (e.g., ***20070131***)

PS stands for Project Schedule

NN indicates the **Project Agreement, Mod/Add.** (e.g. “00” for Original Agreement)

XX indicates the **Submission Sequence Number** (e.g., ***01, 02...***)

Note: This name must be **UNIQUE**. The same method is used for naming exported XML files, except extension is changed from “*.xls*” to “*.xml*”.

II. WHAT TO DO WITH THIS EXCEL FILE?

The Excel file contains three main sections, shown and described below:

Button Bar Section: Performs actions necessary to complete the spreadsheet.

Add NEW Row	Delete LAST Row	Delete SELECT Row	Insert NEW Row	Sort LIST	Export XML	Import XML	Print Preview	PROJECT SCHEDULE BRIDGE
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Project Information Section: Information common for all inspections in the project.

Project*						FOR STATE USE ONLY	
Consultant*				*Notice to Proceed Date		PDF CD Received by State	
Agreement*				*Preliminary Reports Due Date		Working Files CD Received by State	
Group*	*Agreement Date			*Final Reports Due Date		Database CD Received by State	
Total Insp:	*Modification/Addendum Code			Authorized Time Extension Date		Final Invoice Received by State	
* Required Fields							

Inspection Schedule Section: Contains one row for each inspection in the project.

Insp Type (LR)	Route	Structure Number	Previous Insp Date	Approved Inspection Date	Actual Inspection Date	Initial PDI Submission Date	Prelim. and/or 90Days PDI Sub (which-ever is less)	Approved Prelim. Report Submission Date	Actual Prelim. Report Received by State	State/County Comments Received by Consultant	Final PDI Submission Date	Final Report Received by State	Insp Equip/ MOT/ Diving Services Required	Remarks
A*	B*	C*	D*	E*	F*	G*	H*	I*	J*	K*	L*	M*	N*	O*

Instructions:

Fill in the **Project Information Section** according to the details of the project. Some cells contain built-in data validation rules that require the user input data in a certain format (example: date fields must be in the form MM/DD/YYYY). If data of an improper format is entered, an error message will be displayed indicating to the user the proper format to input. DO NOT enter any data in the shaded red area marked “**FOR STATE USE ONLY**”.

After completing the **Project Information Section**, complete the **Inspection Schedule Section**. Each separate inspection will require its own row. Use the buttons contained in the **Button Bar Section** as follows:


Add NEW Row	Add a new row to the bottom of the <i>LIST</i> .
Insert NEW Row	Insert a new row at a desired location within the <i>LIST</i> .
Delete LAST Row	Delete the bottom row contained in the <i>LIST</i> , except first the row.
Delete SELECT Row	Delete any row at a desired location within the <i>LIST</i> , except the first row.
Sort LIST	Sort the <i>LIST</i> first by <i>Inspection Type</i> , then by <i>Previous Inspection Date</i> , and last by <i>Structure Number</i> .
Export XML	Exports <i>XML</i> data file. File naming convention is same as mention above (e.g. “XS9A_20091212_PS00_01.xml”)
Import XML	Imports initial <i>XML</i> data file provided by the department to populate <i>Route</i> , <i>Structure Number</i> and <i>Previous Inspection Date</i> .
Print Preview	Button to enter the Microsoft Office print preview screen.

Fill in both the sections according to your project and inspection schedule. **TYPE-IN ALL THE NECESSARY DATA INTO THE EXCEL SPREADSHEET; and/or if the following applies.**

- If the Excel is **not setup** for *XML* and *LIST* objects, then see “[How to setup the downloaded Excel file for XML and LIST tools?](#)”
- If **Initial XML data file** is provided to you by the Department, then see “[How to fill in information using Initial XML data file?](#)”

III. HOW TO CREATE AN XML DATA FILE USING EXCEL SPREADSHEET?

Once all required information has been entered in the Excel spreadsheet, generate an *XML* data file for State submission using following instructions.

- a. Create *XML* data file for your Project Schedule by clicking the  Button.
- b. The *XML* file is saved as same name as Excel file except with **.xml** extension:

GGGG_YYYYMMDD_PSNN_XX.xml

where, *GGGG* is the four character Group Number (e.g., *21B7*)

YYYYMMDD is the current submission date in this schedule (e.g. *20090215*)

PS stands for Project Schedule

NN indicates the **Project Agreement, Mod/Add.** (e.g. “00” for Original Agreement)

XX indicates the Submission Sequence Number (e.g., *01, 02...*)

Note: This name must be **UNIQUE**.

- c. Email this *XML* data file as an attachment to the Department Project Manager.
Include file name in the subject of this email.

Note: See sample below.

PROJECT SCHEDULE BRIDGE									
Add	Delete	Delete	Insert	Sort	Export	Import	Print		
NEW Row	LAST Row	SELECT Row	NEW Row	LIST	XML	XML	Preview		
FOR STATE USE ONLY									
Project*		Some Project			*Notice to Proceed Date			5/1/2009	
Consultant*		ABS Consultants			*Preliminary Reports Due Date			1/1/2010	
Agreement*		2009BH123Z			*Agreement Date			4/15/2009	
Group*		GGGG			*Modification/Addendum Code			00	
Total Invs		6			*Modification/Addendum Date			5/1/2010	
* Required Fields									
Insp Type (I/R)	A	B	C	D	E	F	G	H	I
A	B	C	D	E	F	G	H	I	J
K	L	M	N	O	P	Q	R	S	T
U	V	W	X	Y	Z	AA	AB	AC	AD
AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH
BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR
BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB
CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
CW	CX	CY	CA	CB	CC	CD	CE	CF	CG
CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
CR	CS	CT	CU	CV	CW	CX	CY	CA	CB
CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
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CW	CX	CY	CA	CB	CC	CD	CE	CF	CG
CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
CR	CS	CT	CU	CV	CW	CX	CY	CA	CB
CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
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CW	CX	CY	CA	CB	CC	CD	CE	CF	CG
CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
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CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
CW	CX	CY	CA	CB	CC	CD	CE	CF	CG
CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
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CR	CS	CT	CU	CV	CW	CX	CY	CA	CB
CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
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CW	CX	CY	CA	CB	CC	CD	CE	CF	CG
CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
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CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
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CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
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CR	CS	CT	CU	CV	CW	CX	CY	CA	CB
CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
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CR	CS	CT	CU	CV	CW	CX	CY	CA	CB
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CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
CR	CS	CT	CU	CV	CW	CX	CY	CA	CB
CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
CW	CX	CY	CA	CB	CC	CD	CE	CF	CG
CH									

XML Sample



```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
- <root>
- <root_info>
  <project_name>Some Project</project_name>
  <consultant>ABS Consultants</consultant>
  <agreement>2009BI123Z</agreement>
  <group_number>GGGG</group_number>
  <total_inspections>6</total_inspections>
  <agreement_date>2009-04-15</agreement_date>
  <mod_add_code>00</mod_add_code>
  <mod_add_date />
  <ntp_date>2009-05-01</ntp_date>
  <preliminary_reports_date>2010-01-01</preliminary_reports_date>
  <final_reports_date>2010-05-01</final_reports_date>
  <auth_time_ext_date />
  <pdf_cd_received_date />
  <work_files_cd_received_date />
  <database_cd_received_date />
  <final_invoice_received_date />
</root_info>
- <root_row>
  <insp_type>R</insp_type>
  <userbrdg_route>1</userbrdg_route>
  <bridge_structure_number>xxxx101</bridge_structure_number>
  <previous_insp_date>2007-02-07</previous_insp_date>
  <app_insp_date>2009-02-07</app_insp_date>
  <actual_insp_date />
  <initial_pdi_sub_date />
  <prelim_90_days_pdi_sub_date />
  <app_prelim_report_date />
  <actual_prelim_report_received_date />
  <State_county_comments_date />
  <final_pdi_date />
  <final_report_received_date />
  <insp_equip_mot_diving />
  <remarks />
</root_row>
- <root_row>
```

What are XML and LIST objects?

An **XML** file is a data sharing file. This is how it looks when opened in Internet Explorer:

```
<?xml version="1.0" encoding="UTF-8" standalone="no" ?>
- <root>
- <root_row>
  <userbrdg_route>9011</userbrdg_route>
  <bridge_structure_number>1100012</bridge_structure_number>
  <previous_insp_date>2007-05-15</previous_insp_date>
</root_row>
- <root_row>
  <userbrdg_route>9011</userbrdg_route>
  <bridge_structure_number>1100015</bridge_structure_number>
  <previous_insp_date>2007-05-30</previous_insp_date>
</root_row>
- <root_row>
  <userbrdg_route>9011</userbrdg_route>
  <bridge_structure_number>1100017</bridge_structure_number>
  <previous_insp_date>2007-05-31</previous_insp_date>
</root_row>
- <root_row>
  <userbrdg_route>9011</userbrdg_route>
  <bridge_structure_number>1100018</bridge_structure_number>
  <previous_insp_date>2007-05-31</previous_insp_date>
</root_row>
- <root_row>
  <userbrdg_route>9011</userbrdg_route>
  <bridge_structure_number>1100037</bridge_structure_number>
  <previous_insp_date>2007-05-21</previous_insp_date>
</root_row>
- <root_row>
  <userbrdg_route>9011</userbrdg_route>
  <bridge_structure_number>1100041</bridge_structure_number>
  <previous_insp_date>2007-05-15</previous_insp_date>
</root_row>
```

A **LIST** is Excel object which includes self-controlled list of records. This is where we are using a list in our Excel file:

	Insp Type (LR)	Route	Structure Number	Previous Insp Date	Approved Inspection Date	Actual Inspection Date	Initial PDI Submission Date	Prelim. and/or 90Days PDI Sub (which-ever is less)	Approved Prelim. Report Submission Date	Actual Prelim. Report Received by State	State/ County Comments Received by Consultant	Final PDI Submission Date	Final Report Received by State	Insp Equip/ MOT/ Diving Services Required	Remarks
9															
10	A*	B*	C*	D*	E*	F	G	H	I	J	K	L	M	N	O
11															
12															
13															
14	*														
15															
16															
17															

List of Data rows for various fields in the column

How to setup the downloaded Excel file for XML and LIST tools?

The initial setup is done internally in Version 2.0.0 by using the Excel programming.

How to fill in information using Initial XML data file?

Initial ***XML*** data file is provided by the Department. It contains previous inspection data: *Route*, *Structure Number*, and *Previous Inspection Date*.

<i>Structure Number</i>	<i>Previous Insp Date</i>	<i>Approved Inspection Date</i>
C+	D+	E+

To import this file, do the following:



Click on this button and browse the file to import.