

Title: Best Practices for Design	Pennsylvania Asphalt Improvement Network	Document No.: QPM002-05	Effective Date: 2/27/07 Rev: 01	Page: 1 of 3
Owner/Approver:	Reviewed By:	Reviewed By:	Reviewed By:	Reviewed By:

1.0 PURPOSE:

This procedure describes Best Practices to be used during contract development while performing Preliminary Design, Final Design, and Letting. In-house design and consultant resources should apply these as a supplement to other design requirements to ensure final products meet contract requirements.

2.0 SCOPE:

This procedure applies to the design and letting of roadway systems, including bituminous concrete pavements.

3.0 RESPONSIBILITY:

Engineering District office and consultant design personnel

4.0 EQUIPMENT NEEDED:

Not applicable

Title: Best Practices for Design	Pennsylvania Asphalt Improvement Network	Document No.: QPM002-05	Effective Date: 2/27/07 Rev: 01	Page: 2 of 3
Owner/Approver:	Reviewed By:	Reviewed By:	Reviewed By:	Reviewed By:

5.0 **PROCEDURE:**

	Best Practice	Comments
1.	<p>Involve Maintenance in the design process.</p> <p>Solicit information/comment from the maintenance community throughout project development. Invite a maintenance representative to the scoping field view to identify any existing maintenance problems and/or concerns with the proposed project. Have a maintenance representative review the Design Field View (DFV) plans and participate in the DFV meeting. Also have them involved with the Final Design Office Meeting (FDM) if one is held and the constructability review.</p>	
2.	<p>Select appropriate PG binder for Superpave mix design.</p> <p>The Superpave mix is not always developed appropriately during design. District 2 has developed specific policies to address this issue.</p>	
3.	<p>Ensure that appropriate public officials are informed on design progress and overall project status.</p> <p>District personnel should keep public officials informed of project progress/status.</p>	
4.	<p>Ensure that adequate resources are available to complete the design.</p> <p>Establish a process to share design resources and personnel between Districts.</p>	

Notice: This hardcopy document must be used for reference purpose only. The user is responsible for assuring that it is the same as the current document revision level shown online.

C:\Documents and Settings\wgordon\Desktop\QPM002-05 Contract Development - Best Practices 07-02-27 Rev 01.doc

Date Printed 3/23/2007

Title: Best Practices for Design	Pennsylvania Asphalt Improvement Network	Document No.: QPM002-05	Effective Date: 2/27/07 Rev: 01	Page: 3 of 3
Owner/Approver:	Reviewed By:	Reviewed By:	Reviewed By:	Reviewed By:

	<p>5. Ensure that the District Traffic Engineer reviews and approves traffic volumes.</p> <p>Inaccurate traffic volumes may lead to improper pavement designs. Establish a practice that requires the District Traffic Engineer to review and approve traffic volumes used in the pavement design.</p>	
	<p>6. Incorporate recommendations from the Constructability Review and Schedule Management Team (CRSMT).</p> <p>Adopt the recommendations of the Constructability Review and Schedule Management Team (CRSMT). Reference attached memo dated February 2, 2005.</p>	
	<p>7. Utilize Open Plan software to manage the design project schedule.</p> <p>Develop a design project schedule using Open Plan software and then utilize it to manage the design project schedule (preliminary engineering through letting).</p>	

6.0 Revision Log

<u>Revision</u>	<u>Date</u>	<u>Description</u>	<u>Requested By</u>	<u>Completed By</u>
00	1/26/07	Initial Release	PASIN Core Team	WKG
01	2/27/07	Added reference to “design” under item 7	Contract Development Work Group	WKG

Notice: This hardcopy document must be used for reference purpose only. The user is responsible for assuring that it is the same as the current document revision level shown online.

C:\Documents and Settings\wgordon\Desktop\QPM002-05 Contract Development - Best Practices 07-02-27 Rev 01.doc

Date Printed 3/23/2007