PAVEMENT MARKING/MARKER DESIGNER / REVIEWER CHECKLIST

The following checklist provides both the pavement marking/marker designer and the TE/L&D Manager guidelines for preparing marking/marker plans during the different phases of design. The checklist is designed to correlate with the Concurrent Engineering Process discussed in the TEDM Section I – General, Chapter 2.

	Pro	oject I	Name:
	Pro	oject I	No: UPC / PPMS No:
	TE	/L&D	Manager:
			/Markers Designer:
	Ad	vertis	ement Date:
L			
SCC	PIN	IG TI	EAM MEETING DATE OF MEETING:
	>	The Mee	following actions should take place prior to or during the Scoping Team ting.
		1) 2)	Ensure that the limits of survey will accommodate the marking/marker design. Evaluate the conceptual roadway typical section(s) to evaluate the need for special details for Marking/Markers.
		3)	Identify the limits of survey needed to adequately accommodate transitions between new and existing roadways, including side street termini.
		4)	Identify other design elements that require early coordination with the marking/marker design, (traffic signals, signs, etc.).
		5)	Determine the agency and contact person that will own and maintain the pavement marking/markers.
		6)	Determine the agency and contact person that will be responsible for the pavement marking/marker design and plans.
		7)	Prepare project budget estimate.
			g review completed by:eviewed:eviewed:

KELIN	/IIIVA	RY FIELD INSPECTION TEAM MEETING DATE OF MEETING:	
>		following actions should take place prior to or during the Preliminary Field ection Team Meeting.	
	1)	Send the Pavement Marking/Marker Design Questionnaire to the agency responsible for maintaining marking/markers (District, Residency, Municipality, etc). [Appendix IIIB-1]	
		Sent To: Date Sent:	
	2)	Evaluate the roadway geometry and typical sections to ensure that appropriate transitioning is provided for tie-ins to existing roadway.	
	3)	Update project budget estimate.	
	Pre-F.I. review completed by:		
PUBLIC HEARING TEAM MEETING DATE OF MEETING:			
PUBLIC	HE	ARING TEAM MEETING DATE OF MEETING:	
	The	ARING TEAM MEETING DATE OF MEETING: following actions should take place prior to or during the Public Hearing Team sting.	
>	The	following actions should take place prior to or during the Public Hearing Team sting. Perform a pavement marking inventory at all of the projects termini to identify	
<i>></i>	The Mee	following actions should take place prior to or during the Public Hearing Team sting. Perform a pavement marking inventory at all of the projects termini to identify existing tie-ins. Develop marking/marker base plans.	
<i>></i>	The Mee 1)	following actions should take place prior to or during the Public Hearing Team sting. Perform a pavement marking inventory at all of the projects termini to identify existing tie-ins. Develop marking/marker base plans. Develop conceptual marking/marker plans to the extent that major overhead	
>	The Mee	following actions should take place prior to or during the Public Hearing Team sting. Perform a pavement marking inventory at all of the projects termini to identify existing tie-ins. Develop marking/marker base plans. Develop conceptual marking/marker plans to the extent that major overhead and guide sign placements can be determined. Verify roadway geometry and typical sections will accommodate appropriate	
A	The Mee 1) 2) 3) 4)	following actions should take place prior to or during the Public Hearing Team sting. Perform a pavement marking inventory at all of the projects termini to identify existing tie-ins. Develop marking/marker base plans. Develop conceptual marking/marker plans to the extent that major overhead and guide sign placements can be determined. Verify roadway geometry and typical sections will accommodate appropriate transitioning for tie-ins to existing roadway. Ensure coordination of all TCD plans.	
A	The Mee 1) 2) 3) 4)	following actions should take place prior to or during the Public Hearing Team sting. Perform a pavement marking inventory at all of the projects termini to identify existing tie-ins. Develop marking/marker base plans. Develop conceptual marking/marker plans to the extent that major overhead and guide sign placements can be determined. Verify roadway geometry and typical sections will accommodate appropriate transitioning for tie-ins to existing roadway.	

FIELD I	NSP	ECTION TEAM MEETING	DATE OF MEETING:	
>	The Mee	following actions should take place prior to or ting.	during the Field Inspection Team	
Marki	Marking/Marker Plan General Overview			
	1)	Address public hearing comments.		
Marking/Marker Plan Coordination Issues				
	1)	Update conceptual marking/marker design design plans.	plans with most current roadway	
	2)	Update conceptual marking/marker design overhead and guide sign, if necessary.	plans to assist locating major	
Construction Cost Estimate				
	1)	Update project budget estimate		
		iew completed by:eviewed:		

[Appendix IIIA-3]

80% PLAN SUBMITTAL

DATE OF	SUBMISSION:	
	JUDINIJJIUN.	

Advance to preliminary marking/marker design plans for review by Maintaining Jurisdiction, Residency, District and Central Office. Plans are approximately 80% complete such that the reviewer can provide guidance.

80% DESIGN ELEMENTS

Mark	king/N	larker Plan Set General Overview		
S	Stand alone Marking/Marker Plans			
	1 1)			
	1 2)	•		
	1 3)			
		Provide Survey & Alignment Data Sheets, if applicable.		
	5)			
	Requirements for all Marking/Marker Plans			
	1 1)	Use Sheet Cell from the VDOT Cell Libraries.		
	1 2)	Incorporate design guidance provided in Marking/marker Questionnaire.		
		[Appendix IIIB-1]		
	1 3)	Provide Index of Sheets.		
	4)	Provide Insertable Sheets.		
	1 5)	Provide General Notes Sheet.		
	1 6)	Show Project Data on plan sheets, (Project No., Series and Page No., etc.).		
	1 7)	Show Scale, North Arrow, Match Lines, etc.		
	,			
Mark	king/N	larker Plan Coordination Issues		
R	oadw	ay Plans		
	1 1)			
	,	transitioning for lane drops, tie-ins to existing roadway, etc.		
	2)	Update pavement marking/marker plan base sheets with most current roadway		
_	4 ∠)	design plan sheets.		
	3)	Reference associated roadway plan sheets in the reference box on pavement		
_	1 3)			
_	: D	marking/marker plan sheet, (Series No. and Page No.). [Appendix IIIA-3]		
	ign P			
_	1 1)			
		(e.g. stop bars, lane drops or exit only lanes, transitioning out lanes, railroad		
		crossings, and school zones).		
	1 2)	Reference associated sign plan sheets in the reference box on pavement		
		marking/marker plan sheet, (Series No. and Page No.). [Appendix IIIA-3]		
Т	raffic	Signal Plans		
	1 1)	Coordinate pavement marking/marker layout as they relate to the traffic signal		
	•	operations and design.		
	1 2)	Reference associated traffic signal plan sheets in the reference box on		

pavement marking/marker plan sheet, (Series No. and Page No.).

80% PLAN SUBMITTAL (CONTINUED)

: Marking/Marker Plan Layout			
 1) Call out pavement marking type, widths and color. 2) Show a pavement marking typical section on plan sheet, if necessary. 3) Ensure all notes and legends are correct. 			
tion Cost Estimate			
Show all Standard and Non-Standard Pay Items in the Summary of Quantities sheet.			
Unit quantities do not need to be shown on Summary of Quantities sheet for this submittal.			
Prepare construction cost estimate			
an To: (If Applicable)	Contact Person	Date Sent	
Residency District Traffic Engineering CO – Traffic Engineering (L&D) CO – Traffic Engineering Division Scheduling and Construction		_	
	Call out pavement marking type, we Show a pavement marking typical standard and legends are of the Cost Estimate Show all Standard and Non-Standard sheet. Unit quantities do not need to be this submittal. Prepare construction cost estimate an To: (If Applicable) Deality Residency District Traffic Engineering CO – Traffic Engineering (L&D) CO – Traffic Engineering Division Scheduling and Construction	Call out pavement marking type, widths and color. Show a pavement marking typical section on plan sheet, if ne Ensure all notes and legends are correct. Sion Cost Estimate Show all Standard and Non-Standard Pay Items in the Sum sheet. Unit quantities do not need to be shown on Summary of Q this submittal. Prepare construction cost estimate. an To: (If Applicable) Contact Person District Traffic Engineering CO – Traffic Engineering (L&D) CO – Traffic Engineering Division Scheduling and Construction	

QC PLAN S	SUBMITTAL DATE OF SUBMISSION:	
> Ad	lvance the plans to Constructability Review.	
1) 2) 3) 4) 5)	VDOT, Residency VDOT, District Traffic Engineering VDOT, CO – Traffic Engineering (L&D)	
□ 8) Construc □ 1)	FHWA	
Plan Shee ☐ 1) ☐ 2) ☐ 3) ☐ 4)	Finalize General Notes and Plan Notes. Ensure plan sheet call-outs are consistent with Legend and Sumr Quantities pay items, and Transport pay items. Verify each pay item is clearly identified.	·
Plan Deta 1) 2)		
Summary	Cross check measurement and payment for each pay item matches the standard items or non-standard items as discussed in the Specific Special Provisions and/or Special Provision Copied [Sec. I, Chapter 3, 3.8]	cations, Notes.
Construc 1) 2)	ction Cost Estimate Verify TRNS·PORT quantities match Summary of Quantities sheet.	l review

QC PLAN SUBMITTAL (CONTINUED)

1) Title Sheet (Stand alone project)	Title Sheet (Stand alone project)			
☐ 2) Location Map (Stand alone project)	· • /			
☐ 3) Index of Sheets				
4) Revision Data Sheet (Stand alone project)				
5) Survey and Alignment (Stand alone project)	• • • • • • • • • • • • • • • • • • • •			
6) Maintenance of Traffic (Stand alone project)	Maintenance of Traffic (Stand alone project)			
□ 7) General Notes				
□ 8) Insertable Sheets	Insertable Sheets			
9) Summary of Quantities Sheet				
☐ 10) Plan Detail Sheets				
☐ 11) Plan Sheets				
Special Provisions Submitted				
☐ 1) Special Provisions:				
□ 2) Non-Standard Items:				
Jp-Load Plans to Falcon in TIF format. Date complete:				
1) Create Plan Index in Excel format.				
QA review completed by:				

PRE-ADVERTISEMENT CONFERENCE ➤ Advancing 100% design plans and s			
Respond / Incorporate Review Comments From:			
 1) Municipality (if applicable) 2) VDOT, Residency 3) VDOT, District Traffic Engineering 4) VDOT, CO – Traffic Engineering (L&D) 5) VDOT, CO – Traffic Engineering Division 7) VDOT, Scheduling and Construction 8) FHWA 			
Update Plans on Falcon.	Date complete:		
Up-Load Plans to Falcon in TIF format. ☐ 1) Update Plan Index.	Date complete:		
Revise Special Provisions.	Date complete:		
Update TRNS-PORT Cost Estimate. ☐ 1) Verify updated TRNS-PORT qu	Date complete: antities match Summary of Quantities sheet.		
PAC review completed by:			