

Appendix A-2

CHECKLISTS

REVIEWING YOUR WORK

The following pages include a copy of the TEDD Design Checklists which include four Sections: Signing and Pavement Marking, Lighting, Traffic Signals and Document Preparation. These checklists can be used as design aids as well as for quality control reviews. They outline all the major areas of a plan which should be verified by both the designer and the reviewer. TEDD requires that the appropriate checklists are completed for all projects by the designer and are submitted with the PS&E package along with the signed Cover Letter.

CHECKING YOUR PS&E PACKAGE

In addition to checking the design, it is important to verify that the PS&E package is complete and contains all the information and approvals necessary to construct the project. Three checklists have been developed to assist TEDD Project Manager's with this: the "TEDD Areawide Checklist," "TEDD Developer Checklist" and the "TEDD Insert Checklist." As projects progress, TEDD Project Managers should keep these checklists updated to help ensure that the final submission package will be complete.



TEDD Design Checklist

Project Identification			
TIMS Number:		District:	
Designer:		Review Date:	
Project Name:			
Type of Project:	<input type="checkbox"/> Areawide	<input type="checkbox"/> Insert/Advertised	

Complete all applicable sections of the TEDD Design Checklist as outlined below. Note required revisions, errors and omissions. Submit checklist with PS&E package to Team Leader for approval.

Section	Pages	Complete	N/A
Section 1 – Signing and Pavement Marking	1 - 10	<input type="checkbox"/>	<input type="checkbox"/>
Section 2 – Lighting	11 - 18	<input type="checkbox"/>	<input type="checkbox"/>
Section 3 – Traffic Signals	19 - 25	<input type="checkbox"/>	<input type="checkbox"/>
Section 4 – Document Preparation	26 - 30	<input type="checkbox"/>	<input type="checkbox"/>

Reviewer Notes:

Consultant Design Engineer:

Signature: _____ Name: _____

Date: _____

TEDD Project Manager:

Signature: _____ Name: _____

Date: _____

TEDD Team Leader:

Signature: _____ Name: _____

Date: _____

SECTION 1 – SIGNING AND PAVEMENT MARKING – Complete Section 1 for projects that include signing and pavement marking design.

SECTION 1 – SIGNING AND PAVEMENT MARKING				
	Yes	No	N/A	Comments
GENERAL NOTES AND PROPOSALS SHEET (SN-1)				
<i>The following are correctly noted on the General Notes and Proposal Sheet:</i>				
• Appropriate standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign orientation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Overhead sign alignment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Project requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Project-specific exceptions to standard criteria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Project approvals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Project title	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• TIMS number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
PLAN SHEETS (SN-2)				
<i>The following items are included and shown correctly on the Plan Sheets:</i>				
• Existing and proposed conditions (Only pertinent information should be shown on plans. All other levels should be turned off.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Limits of work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Base mapping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• North arrow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Directional arrows with destinations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Match lines with sheet numbers or letters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Baseline / Stationing with labels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct scale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Key / Legend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pavement Marking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Project notes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Street names shown on cross streets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Route numbers with cardinal direction (e.g. I-70 (WBL)) and road name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Right-of-way lines and labels (existing and proposed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Current Borders / Signature / Revision block	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Consultant logo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• TIMS Number and Construction Contract Number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Existing Sign Information				
<i>The following existing sign information is included and shown correctly on the Plan Sheets:</i>				
• Existing sign structure and message at correct location	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Type of sign structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Overhead sign structure number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 1 – SIGNING AND PAVEMENT MARKING				
	Yes	No	N/A	Comments
• Sign messages on plan sheet oriented to read in direction of travel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Designations for existing signs to remain, to be relocated, or to be removed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Information is provided for sign disposal or salvage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• The following signs to be reused are correctly placed and have appropriate messages to fit proposed conditions:				
o Guide signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Lane Use signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Turn restriction signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Parking restriction signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Other signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Proposed Sign Information				
<i>The following proposed sign information is included and shown correctly on the Plan Sheets:</i>				
• Proposed sign structure and message at correct location	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Stations or measurements from a fixed object	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign numbers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Cantilever signs: C-1, C-2, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Overhead signs: OH-1, OH-2, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Bridge mount signs: BM-1, BM-2, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Ground mount signs: GM-1, GM-2, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Regulatory and warning signs: 1,2,3, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Multiple signs on a single structure are numbered independently using letters (e.g. OH-1A, OH-1B, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o All signs are numbered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Each sign is assigned only one number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign size and designation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Proper sign orientation (noted as required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign messages on plan sheet oriented to read in direction of travel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign sizes match functional classification of roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign locations comply with minimum lateral offset requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signs are located as far from the traveled roadway as possible to provide adequate recovery area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Cantilever signs are situated above the shoulder or over lane drop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Maintenance activities can take place off the traveled roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 1 – SIGNING AND PAVEMENT MARKING				
	Yes	No	N/A	Comments
• Sign locations provide adequate sight distance from downstream and upstream signalized intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All non-breakaway sign structures are located outside of clear zone or protected with traffic barrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Adequate clearance from overhead and underground utilities is provided (overhead utility line heights are shown on plan)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Plan sheet items match legend and legend only includes symbols used in project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regulatory signs are included and comply with the following design requirements:				
• Size, shape and color of regulatory signs are in accordance with the MdMUTCD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Warning signs are included and comply with the following design requirements:				
• Size, shape and color of warning signs are in accordance with the MdMUTCD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Fluorescent Yellow-Green for school signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Fluorescent Yellow for warning signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Warning sign placement provides adequate PIEV time in accordance with the MdMUTCD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Guide signs for conventional roads are included and comply with the following design requirements:				
• Shape and color of guide signs are in accordance with the MdMUTCD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct control cities are identified with consistent spelling and abbreviations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The following guide sign types have been correctly shown on the Plan Sheets:				
• Route signs / assemblies (advance and confirmatory)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Destination and distance signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Street name signs (advance and intersection)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• General service signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Reference location signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• General information signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Parking Area / Park and Ride signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Rest Area / Scenic Area signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Weigh Station signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 1 – SIGNING AND PAVEMENT MARKING				
	Yes	No	N/A	Comments
<i>Guide signs for freeways and expressways are included and comply with the following design requirements:</i>				
• Shape and color of guide signs are in accordance with the MdMUTCD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign spreading / spacing is used correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• 800' minimum spacing is provided between guide signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Special requirements for diagrammatic signs are addressed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct control cities are identified with consistent spelling and abbreviations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Arrow sizes, types and orientations are correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Left exits are properly signed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Exit numbers and letters are correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• CHART				
○ Special requirements for changeable message signs are addressed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Senior Staff Engineer contacted to confirm need	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ DMS structures are located outside of clear zone or protected with traffic barrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ 800' minimum spacing is provided between DMS structures and adjacent guide signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>The following guide sign types have been correctly shown on the Plan Sheets:</i>				
• Route signs / assemblies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Distance signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Interchange guide signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Advance Guide signs (1 mi., ½ mi.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Exit Direction signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Next Exit supplemental signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Exit Gore signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Interchange Sequence signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• General Service signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Rest and Scenic Area signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Tourist Information and Welcome Center signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Mile markers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Weigh Station signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Preferential Only lane signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 1 – SIGNING AND PAVEMENT MARKING				
	Yes	No	N/A	Comments
<i>Specific service signs are included and comply with the following design requirements:</i>				
• Businesses / services are eligible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign placement follows correct order (Gas-Food-Lodging-Camping-Attractions, moving back from gore)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Distances (if needed) are included	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Exit numbers (if required) are correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>Recreational and cultural interest area signs are included and comply with the following design requirements:</i>				
• Byways, community gateways, dedication signing, TAC, MD history, rivers, attractions are included as appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>Bicycle lane signing is included and complies with the following design requirements:</i>				
• Size, shape and color of bicycle lane signs are in accordance with the MdMUTCD and the Maryland SHA Bicycle and Pedestrian Design Guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• BIKE LANE (R3-17) sign is used only in conjunction with marked bicycle lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>Signs with signals are included and comply with the following design requirements:</i>				
• Hazard Identification Beacons (HIBs) are included as appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Highway Advisory Radios (HARs) are included as appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General Signing Information				
<i>All signing complies with the following design requirements:</i>				
• Appropriate design criteria are used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Opportunities to reduce sign clutter are identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Proposed and/or existing grades are suitable for installation of foundations and trenching of conduit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Impacts to existing signing on mainline and cross streets are addressed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signing design corresponds with pavement markings and traffic signal operations and design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Level of signing is appropriate for roadway type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Route numbers, names, destinations and exit numbers are accurate and consistent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Supplemental destinations are addressed and trailblazed, as necessary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Service signs are applicable and consistent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 1 – SIGNING AND PAVEMENT MARKING				
	Yes	No	N/A	Comments
• Unexpected or unusual circumstances that require signing have been identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Tree trimming noted where required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signs are located outside of clear zone (if possible)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign visibility is not impeded by physical obstructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pavement Marking Information				
<i>The following pavement marking information is included and shown correctly on the Plan Sheets:</i>				
• Existing pavement markings to be removed (shown and labeled)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing markings to be replaced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Crosswalk revisions required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Stop lines revisions required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Lane marking revisions required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Turning path revisions required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pavement and Curb Markings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Centerlines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Edge Lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Lane Lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Channelizing Lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Auxiliary Lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Obstruction Markings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Stop Lines and Yield Lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Hatched (school zones, ramps, free right turns and midblock)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pavement Word and Symbol Markings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Symbols (to be crossed referenced with R3-7 (1) R & L signs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Arrows	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Legend (ONLY)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Bicycle Markings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Railroad Crossing Markings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Dimensions for placement of arrow, symbol and legend markings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Raised Pavement Markers (RPM's)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Recessed (District 6 only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Object Markers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Concrete Barrier Delineators (wall markers)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Delineators (post mounted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Delineators on at least one side of interchange ramps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Contrast markings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Rumble strips	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• W-beam barrier markers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pavement Marking Legend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Dimensions for lane widths	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Dimensions for taper lengths	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 1 – SIGNING AND PAVEMENT MARKING				
	Yes	No	N/A	Comments
• Locations for tie-ins to existing markings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Passing zones on two way undivided highways (determined by District office)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All pavement markings comply with the following design requirements:				
• Pavement marking widths, colors, patterns and materials are in accordance with MdMUTCD and MDSHA Pavement Marking Policy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pavement marking call-outs specify size, type and color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Lane drops and transitions are marked	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pavement markings correspond with sign placement and traffic signal operations and design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pavement markings correspond with current roadway design / typical sections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Traffic Barrier Details and Design				
The traffic barrier details and design comply with the following design requirements:				
• Traffic barrier is warranted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Appropriate type of traffic barrier is indicated on plans (per MDSHA guidelines)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Lateral location and elevation of traffic barrier are correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Length of need calculations are submitted and correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Appropriate end treatment is indicated on plans (per MDSHA guidelines)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Non-breakaway supports within the clear zone are protected by traffic barrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing barrier can be extended to meet project need	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Barrier protects traffic in both directions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing traffic barrier end treatments meet current standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
FABRICATION DETAIL SHEETS (SN-3)				
The following information is included and shown correctly on the Fabrication Detail Sheets:				
• Appropriate text sizes and series	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• FHWA Highway Gothic font	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Appropriate text spacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct spelling and abbreviations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct exit numbers and letters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Appropriate message combinations (e.g. Supplemental signs are not combined with standard guide signs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Appropriate symbol sizes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Standard FHWA / SHA arrows and shields	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 1 – SIGNING AND PAVEMENT MARKING				
	Yes	No	N/A	Comments
• Correct MD shield for guide sign use vs. independent use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct arrow types, dimensions, directions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Angle of diagonal arrows	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Details for any non-standard arrows	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct border	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Double borders used between different background colors (i.e. EXIT ONLY panels)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Extruded or sheet aluminum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Cardinal directions aligned with top of shield	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• TO aligned with center of shield	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Mounting details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Appropriate Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Width	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Height (extruded signs have even foot increments)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Square foot area matches height/width dimensions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Line spacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct sign colors / color codes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct sign sheeting type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All sign messages match what is shown on plan sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All sheet aluminum signs are 4'x8' or smaller	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Overlays are clearly defined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
GROUND MOUNTED SIGN SUPPORTS SHEET (SN-4)				
<i>The following information is included and shown correctly on the Ground Mounted Sign Supports Sheet:</i>				
• Steel Beam Chart for guide signs is complete and correct and includes the following information:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Post size, length and distance from edge of sign and between posts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Breakaway/non-breakaway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Object offset codes specific to conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Steel post sizes in accordance with TRANSPO breakaway design software	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Square tube used in narrow concrete median (for signs 30"x30" or smaller)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Wood Support Chart for guide signs is complete and correct and includes the following information:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Post size, length and distance from edge of sign and between posts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Breakaway / non-breakaway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Object offset codes specific to conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 1 – SIGNING AND PAVEMENT MARKING				
	Yes	No	N/A	Comments
• All ground mounted signs meet vertical clearance requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All sheet aluminum signs are placed on wood supports	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All wood post sizes are in accordance with Support Selection Charts (Traffic Control Devices Design Manual) and MDSHA Book of Standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• No more than (2) 4x4 or (2) drilled 4x6 wood posts are used within a 7-foot distance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• 7' minimum spacing between supports provided for all 6x6 or 6x8 breakaway wood posts (inside edge of support to inside edge of support)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• 7' minimum spacing between supports provided for all breakaway steel supports (inside edge of support to inside edge of support)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All gore signs are installed on breakaway steel supports	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All information on SN-4 sheet matches plan sheets and sign detail sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
OVERHEAD SIGN SUPPORTS SHEETS (SN-8 and SN-9)				
<i>The following information is included and shown correctly on the Overhead Sign Supports Sheets:</i>				
• Structure and foundation details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Overhead structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Cantilever structures (no more than 2 signs; 46' maximum offset)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Bridge-mount structures (Special permission obtained from SHA Bridge Design Unit)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Butterfly structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Post-top structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All overhead sign structures meet vertical clearance requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Proposed signs are within design sign dimensions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
SUMMARY OF QUANTITIES SHEETS (SN-11)				
<i>The following information is included and shown correctly on the Summary of Quantities Sheets:</i>				
• Item descriptions and units of measure match corresponding category code items and estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All columns are completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All project items are included	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Only items being used are listed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pavement marking items are listed last on each sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 1 – SIGNING AND PAVEMENT MARKING				
	Yes	No	N/A	Comments
• Item totals are listed at bottom of sheet and are correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 1B – SIGN LIGHTING
Refer to “Section 2 – Lighting” for Sign Lighting Checklist.

SECTION 2 – LIGHTING – Complete Section 2 for projects that include lighting and/or sign lighting design.

SECTION 2 – LIGHTING				
	Yes	No	N/A	Comments
GENERAL				
<i>The following items are included and shown correctly on the Plan Sheets:</i>				
• Existing and proposed conditions (Only pertinent information should be shown on plans. All other levels should be turned off.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Limits of work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Base mapping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• North arrow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Directional arrows with destinations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Match lines with sheet numbers or letters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Baseline / Stationing with labels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct scale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Key / Legend (as defined in MD Book of Standards)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Equipment list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Project notes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Street names shown on cross streets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Route Numbers with cardinal direction (e.g. I-70 (WBL)) and road names	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Right-of-way lines and labels (existing and proposed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• TIMS number and Construction Contract number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Consultant logo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Current Borders / Signature / Revision block	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
EXISTING LIGHTING INFORMATION				
<i>The following existing lighting and electrical information is included and shown correctly on the Plan Sheets:</i>				
• Existing light poles at correct locations and oriented properly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing electric / utilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Designations for existing light poles and electrical equipment to remain, to be relocated, or to be removed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• List of lighting to be removed with power company number (where applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
PROPOSED LIGHTING INFORMATION				
<i>The following proposed lighting and electrical information is included and shown correctly on the Plan Sheets:</i>				
• Proposed light poles at correct locations and oriented properly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 2 – LIGHTING				
	Yes	No	N/A	Comments
• Light pole call-outs—including pole number, mounting height, arm length, circuit number, station, offset, quantity and type of connector kits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Circuit call-outs—including wire type and size and conduit type and size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Overhead sign structures to be lighted at correct locations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign lighting call-outs—including structure number, circuit numbers, station, offset, quantity and type of connector kits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Proposed utility information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Proposed electrical equipment (e.g. lighting cabinets, service pedestals, junction boxes, manholes / handholes, transformers, ground rods, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Manhole call-outs—including manhole number, station, offset, quantity and type of connector kits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>The proposed lighting and electrical design complies with the following design requirements:</i>				
• Lighting design is in agreement with functional classification of roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Appropriate lighting design criteria are used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Photometric calculations have been submitted and approved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Call-outs use letters defined in legend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Proposed and existing grades are suitable for installation and maintenance of lighting equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Plan sheet items match legend and legend only includes items used in project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Non-breakaway structures are protected by traffic barrier when in the clear zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Input has been received from District Traffic Office and TEDD Team Leader	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Lighting design meets requirements of the Design Request	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Special design considerations are addressed (e.g. underpasses, roundabouts, signing, pedestrians, tunnels, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Design meets photometric criteria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Photometric design is in accordance with IES and SHA standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Interchange Lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If Yes, explain why justified below. If No, skip this section.
• Verify interchange lighting is warranted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Indicate which of the following are used for this project:				
o Partial interchange lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 2 – LIGHTING				
	Yes	No	N/A	Comments
○ Full interchange lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ High mast lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Low level lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Continuous lighting (along the mainline roadway)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Decision points are illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Conflict points are illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Critical roadway features (e.g. sharp curves, reverse curves, etc.) are illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Underpasses and tunnels are illuminated (as required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Crosswalks are illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Verify illumination levels meet recommended criteria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Description/Justification:				
Continuous Mainline Lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If Yes, explain why justified below. If No, skip this section.
• Verify continuous mainline lighting is warranted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Verify illumination levels meet recommended criteria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Underpasses are illuminated (as required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Description/Justification:				
Intersection Lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If Yes, check for each intersection. If No, skip this section.
• Verify intersection lighting is warranted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All signalized intersections are illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Conflict points are illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Crosswalks are illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All roundabouts are illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Conflict points are illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Crosswalks are illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Unsignalized intersections are illuminated per Design Request	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Arms and luminaires are oriented correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Illumination is adequate on crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Wiring and conduits are boxed at intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 2 – LIGHTING				
	Yes	No	N/A	Comments
• Verify that illumination levels meet recommended criteria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Leased lighting has been coordinated with utility company	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Description/Justification:				
Streetscape / Pedestrian Lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If No, skip this section.
• MOU has been signed and approved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Illumination of pedestrian facilities meets IES requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Veiling luminance on adjacent roads falls within acceptable values	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pole details are provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sign Lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If No, skip this section.
Verify the following design requirements for existing sign lighting and sign structures:				
• Existing overhead signs retain existing sign lighting and/or new lighting is provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Maintenance activities for existing sign lighting can take place off the traveled roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Item for luminaire supports is provided for new signs on existing structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Verify the following design requirements for new sign lighting and sign structures:				
• New overhead and cantilever signs are illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Standard luminaires and Supports	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Overhead	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Cantilever	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Luminaire spacing is correct in accordance with TEDD Design Manual charts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Number and wattage of luminaires are consistent with standard Sign Lighting Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign lighting corresponds with signing design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign lighting details are included on lighting plans (for insert projects)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Proper LED type is being specified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Locations are noted where LED luminaires are used on 480V systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Description/Justification:				

SECTION 2 – LIGHTING				
	Yes	No	N/A	Comments
	Yes	No	N/A	Comments
ELECTRICAL AND CONTROL SYSTEMS				
<i>The following lighting and electrical information is included and shown correctly on the Plan Sheets:</i>				
• Cabinet type (pole or base mounted) and location	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Electric meter socket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Disconnect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Photoelectric control specified for individual luminaires (as required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Junction boxes, manholes, handholes and conduit location, size and type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Conduit and circuitry at proposed locations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Connector Kits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Electrical tags filled in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Correct types used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Circuits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Existing amperage adequate for additional loads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o New circuits numbered correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Current does not exceed breaker capacity (80% of breaker size)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Manholes (Electrical tag filled in)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Structure Conduit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Size meets fill requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Type of conduit is noted (flexible or rigid)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o #6 AWG or larger cable used in bridges and walls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Conduit attachment / support details are included	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Availability of electrical power determined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Power location and feed coordination with utility company complete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Confirm cabinet / service pedestal / electrical service equipment locations are constructable as shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Confirm service load is available (SHA prefers 120/240 voltage service with 100 amp cabinet; 480V operating voltage is not to be used for new construction)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Verify all luminaires and illuminated signs are connected to a power supply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Voltage Drop Calculations submitted and correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Minimum of two (2) separate circuits used, alternating circuits between adjacent lights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 2 – LIGHTING				
	Yes	No	N/A	Comments
○ Cable size correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Cable ampacity sufficient	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Underground conduit: the following type of installation is required:				
○ Trenched	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Slotted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Bored	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Conduit used beneath roadway; duct cable used elsewhere	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Conduit sizes accommodate fill requirements (25% maximum fill for new construction, 40% for modifications)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
GROUNDING				
• Ground rods are provided for all light poles, illuminated signs and manholes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Electrical service drop is grounded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Continuous ground wire is provided from each luminaire, pole, illuminated sign, and manhole to power supply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
UTILITIES				
• Utility relocations coordinated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Utility company has approved service location	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pole number is shown on plans for service drop location	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Utility poles for leased lighting are clearly shown with pole numbers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

POLE SCHEDULE

The following are clearly and correctly shown in the pole schedule:

• Lateral location (offset)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pole height and type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Bracket arm length (matches sizes provided in MDSHA Book of Standards)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Luminaire wattage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Poles with breakaway bases indicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

PANEL SCHEDULE

The following are clearly and correctly shown in the panel schedule:

• All luminaires and signs on panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Amperage loads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Main breaker and contactor ratings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 2 – LIGHTING				
	Yes	No	N/A	Comments
• Luminaire operating voltage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Number, type and wattage of luminaires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SIGN LIGHTING SCHEDULE				
<i>The following are clearly and correctly shown in the sign lighting schedule:</i>				
• All illuminated overhead and cantilever sign structures are included (as appropriate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Luminaire quantity, type, wattage, and operating voltage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct luminaire spacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign lighting system (where required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Circuit numbers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign panel sizes agree with signing plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• 2 circuits are used per structure, alternated between adjacent luminaires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
SAFETY CONSIDERATIONS				
<i>The following safety considerations have been addressed:</i>				
• Poles are located outside roadside clear zone or suitable protection or breakaway bases are provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• High mast structures are located outside of clear zone or protected by traffic barrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pole locations and luminaire placement allow for maintenance activities to take place off the traveled roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pole locations provide adequate safety clearance (100' minimum) in gore areas of exit / entrance ramps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pole locations minimize interference with driver's sight distance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Poles are not placed within 50' of a sign structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Poles are not placed on traffic side of traffic barrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Poles behind traffic barrier provide necessary clear distance for barrier deflection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Required clearance is provided to existing and proposed underground and overhead utilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
OTHER DESIGN CONSIDERATIONS				
<i>The following design considerations have been addressed:</i>				
• Pole locations conform to ADA requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Design reflects consideration of light pollution (i.e. glare, light trespass, sky glow)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Design reflects aesthetic considerations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 2 – LIGHTING				
	Yes	No	N/A	Comments
<ul style="list-style-type: none">Design considers annual cost of energy and maintenance, maintenance capability, and responsibility for maintenance of the lighting system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 3 – TRAFFIC SIGNALS – Complete Section 3 for projects that include signal design.

SECTION 3 – TRAFFIC SIGNALS				
	Yes	No	N/A	Comments
PLAN SHEETS				
<i>The following items are included and shown correctly on the Plan Sheets:</i>				
• Existing and proposed conditions (Only pertinent information should be shown on plans. All other levels should be turned off.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Limits of work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Base mapping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• North arrow / North arrow note	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct scale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Utility legend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Consultant logo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Revision letter matches TS number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Right-of-way lines and labels (existing and proposed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Equipment within Right-of-Way	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Overhead utilities (heights indicated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Log mile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• General Notes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Street names	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Directional arrows with destinations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Route numbers with cardinal direction (e.g. I-70 (WBL)) and road names	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• TIMS number and Construction Contract number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Current borders / signature / revision block	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Construction details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Existing Signal Information				
• Existing signal plans have been verified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Site characteristics have been inventoried and examined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing signals are to be replaced with LED modules	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing signals to be removed are noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Proposed Signal Information				
<i>The following signal items are included and shown correctly on the Plan Sheets:</i>				
• Appropriate signal structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Appropriate signal structure configuration / placement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Lateral clearance requirements are met	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Alternative pole configurations are used where applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Breakaway bases or couplings are used for pedestal poles and median pedestal poles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 3 – TRAFFIC SIGNALS				
	Yes	No	N/A	Comments
• Signal controller cabinet location and type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Cabinet location permits safe access by maintenance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Cabinet is located near a power source (if possible)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Cabinet is protected (if needed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Cabinet does not restrict driver visibility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signal heads are numbered and placement is correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Distances from stop line are acceptable (40' to 120'; up to 180' with near side)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Minimum of two signal heads are provided for each movement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Near side signals are provided (if required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Vertical signal head clearance requirements are met	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Adequate signal visibility is provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Appropriate signal head size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Appropriate signal head sections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Countdown pedestrian signals and APS pushbuttons follow Design and Installation Guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Countdown signal located near and visible within crosswalk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Pushbuttons located correctly and readily accessible from 60"x60" level landing area on the sidewalk (maximum 10 feet from curb)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Availability of electrical power determined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Power location and feed coordination with utility company complete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Confirm cabinet / service pedestal / electrical service equipment locations are constructable as shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Metered service pedestal (preferred)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Overhead service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Underground service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Utility pole or transformer number labeled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
○ Confirm service load is available (SHA prefers 120/240 voltage service with 100 amp cabinet)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Photoelectric control specified for individual luminaires (as required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signal equipment meets clear zone requirements (SHA & AASHTO criteria)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Handholes and manholes are appropriately located	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 3 – TRAFFIC SIGNALS				
	Yes	No	N/A	Comments
• Handholes, conduit and wire are correct size and type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Conduit sizes accommodate fill requirements (25% maximum fill for new construction, 40% for modifications)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signal preemption provided (if required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Numbering (including signs) is correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signal legend matches plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Signs				
<i>The following signing items are included and shown correctly on the Plan Sheets:</i>				
• Street name signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o 20" max on span wire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Back to back on mast arm if over 32"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Dual-faced if 16" or 20"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Advance street name signs (NEXT SIGNAL)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Route marker / shield assemblies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signal warning signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Turn prohibitions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o LTOR / RTOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Lane use control signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Remove Stop / Stop Ahead signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pedestrian pushbutton and sign (oriented correctly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Special sign layouts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign legend matches plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• New signal warning signs with NEW plaque and flags	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signs on signal plans match signing plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pavement Markings				
<i>The following pavement marking items are included and shown correctly on the Plan Sheets:</i>				
• Arrow / Only for lane drops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Stop lines (perpendicular to curb)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Edgelines, centerlines, lane lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Turn bays (arrows for double movements only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Hatched (school zones, ramps, free right turns and midblock)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Other markings per MdMUTCD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NEMA Phasing				
• Correct orientation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Flashing operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Matches phase chart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Solid / Dash lines shown correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Notes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Preemption	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 3 – TRAFFIC SIGNALS				
	Yes	No	N/A	Comments
• Pedestrian phases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Split phasing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dimensions / Stationing				
<i>Dimensions or Station/Offset are provided for the following items:</i>				
• Pavement Markings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signals and Signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Detectors (presence and advanced)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Poles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Controller cabinet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Breaklines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Detectors				
• Detection included and applied properly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Location of presence detection (1' behind stop line) is correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Location of system detection is correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sizes and locations are correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Side road advance detection is warranted (if used)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Inductive loops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Micro-loop probes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Non-invasive micro-loop probes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Detector sleeves conduit for loops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Video detection equipment locations are correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Dilemma zone at correct distance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Geometrics				
• Stop line set back adequate distance for turning vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Crosswalk curb ramps are correctly located and ADA compliant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pad or sidewalk provides access to pedestrian push button	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Detectable Warning Surfaces (DWS) are applied correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Traffic Barrier Details and Design				
<i>The traffic barrier details and design comply with the following design requirements:</i>				
• Traffic barrier is warranted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Appropriate type of traffic barrier is indicated on plans (per MDSHA guidelines)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Lateral location and elevation of traffic barrier are correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Length of need calculations are submitted and correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Appropriate end treatment is indicated on plans (per MDSHA guidelines)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Non-breakaway supports within the clear zone are protected by traffic barrier (if	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 3 – TRAFFIC SIGNALS				
	Yes	No	N/A	Comments
warranted)				
• Existing barrier can be extended to meet project need	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Barrier protects traffic in both directions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing traffic barrier end treatments meet current standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
GENERAL INFORMATION SHEET				
Project Description				
• Reconstruction / Modification / New installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Road direction – North / South or East / West	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Street lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Controller requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Interconnect (fiberoptic / copper)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Check phasing with plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Special notes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• APS button message special note	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Equipment List “A”				
• Cabinet (Base / Pole Mount)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Controller Equipment – Specifics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Mast-arm / pole / span wire mounted signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Special Signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Video Detection Interface Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Amplifiers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Equipment List “B”				
• Items match construction details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Items match wiring diagram	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Test pit (for conduit bore)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Install equipment from Equipment List “A”	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Equipment removal for disposal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Correct item numbers as per areawide contract or category codes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Verify all items applied and used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Equipment List “C”				
• Equipment to be Removed and Salvaged (e.g. Controller)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wiring Diagram				
• Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Detectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing cables to be reused	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Ground wire and rods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Legend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 3 – TRAFFIC SIGNALS				
	Yes	No	N/A	Comments
• North arrow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Power service with pole number / transformer number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Interconnect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Phase Chart				
• Check signals with plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Check movements versus indications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Preemption	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pedestrian phase	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• North arrow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Flashing operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Maintenance of Traffic				
• Standards specified as needed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
OTHER DESIGN CONSIDERATIONS				
<i>The following design considerations have been addressed:</i>				
• ADA requirements are met	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Median disturbance is minimized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Design addresses environmental concerns (if present)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Design addressed unique construction problems (if present)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Design adheres to driver expectancy for the corridor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Equipment locations do not hinder maintenance activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Other facilities within the project limits that require traffic signal devices (i.e. schools) are noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Railroad signal interconnect is provided (if required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signal design meets the requirements of the Design Request	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signal is not in conflict with any utilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Special design considerations such as HIBs, pedestrians, preemption or interconnection are addressed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signal will work as a system with the roadway, signing and marking design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Design is in accordance with Federal and SHA standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
UTILITIES				
• Overhead utility conflicts avoided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Underground utility conflicts avoided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Special signal poles detailed (if needed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 3 – TRAFFIC SIGNALS				
	Yes	No	N/A	Comments
• Special pole foundations detailed (if needed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Utility relocations coordinated				
○ Utility relocation details provided (if required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Overhead clearance callouts at cable crossing with signal structure are provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RIGHT-OF-WAY				
• Adequate right-of-way is available for proposed pole locations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Required right-of-way acquisitions are noted (if needed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Easement for special purpose is noted (if needed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION 4 – DOCUMENT PREPARATION – Complete the following sections for all projects.

FORMS				
	Yes	No	N/A	Comments
SIGNING				
• Structure design request (input sheets and x-sections for new overhead and cantilever sign structures)				
o Complete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Submitted to Structural Design Section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Structure verification sheet (for modifications to an existing sign structure)				
o Complete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Submitted and approved by Structural Design Section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

PROJECT COORDINATION				
	Yes	No	N/A	Comments
HIGHWAY DESIGN				
<i>Verify that the following coordination with Highway Design has been completed:</i>				
• Traffic barrier is provided where required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Signing/lighting/signal design corresponds with current roadway design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Locations of curb ramps correspond to crosswalks, pedestrian signals, pushbuttons, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Proposed and/or existing grades allow for correct installation of foundations and equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Cross sections show that TCDs are not installed in ditches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• No conflicts exist with landscaping, drainage structures and adjacent construction projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Check project limits against pavement marking plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
STRUCTURE DESIGN				
<i>Verify that the following coordination with Structure Design has been completed:</i>				
• Conflicts with noisewalls / retaining walls have been resolved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All signing / lighting / signal equipment located on bridges has been coordinated with structure and bridge designer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All conduits / junction boxes located in parapets or barrier / retaining walls have been coordinated with structure and bridge designer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

PROJECT COORDINATION				
	Yes	No	N/A	Comments
UTILITIES				
• Utility conflicts or impacts have been resolved (overhead and underground, drainage ditches, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Power source location and available service have been confirmed with utility company	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Telephone line and power source have been confirmed with the power/phone company	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Service application completed and submitted to power company	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
RIGHT-OF-WAY				
• Verify that all work will be completed within SHA Right of Way (ROW)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• ROW needs submitted to Plats and Surveys	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing and proposed ROW clearly indicated on plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
TRAFFIC				
• Sign numbers and messages match on plan sheets and detail sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Quantities items match on Sign Supports Sheets (SN-4, SN-8 and SN-9), Summary of Quantities sheets (SN-11), and Engineer's Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All bid items and quantities are included on Summary of Quantities Sheet (SN-11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Pavement markings correspond to signing and signal operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All bid items and quantities are included on Engineer's Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Lighting details match on plan sheets, detail sheets, and schedules	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sign lighting information is included on appropriate plans (Signing or Lighting)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Wording and quantities match in Special Provisions and Category Codes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SPECIAL PROVISIONS				
	Yes	No	N/A	Comments
Verify that the following items are included in the Special Provisions:				
• State Highway Administration (SHA) Contract Number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• 950 Material Specs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Project Description	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SPECIAL PROVISIONS				
	Yes	No	N/A	Comments
• Clearinghouse and Shelf Specs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Correlate to items on Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Shelf typicals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• 900 Specs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Verify that Special Provisions correlate to items on SN-11 Sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

ENGINEER'S ESTIMATE				
	Yes	No	N/A	Comments
• Estimate includes category code number, item description, unit of measure, quantity, unit cost and total cost for each item	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Current category codes / item codes are used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All necessary bid items are included	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Unit of measurement matches category code / specification for each item	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Cost estimate consistent with SHA Price Index, areawide contract and/or industry trends	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Cost share breakdown (county/state/federal) included	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Appropriate contingency added (no contingency for PS&E submittal)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Breakout is provided for federally funded and SHA supplied items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Cabinets 900000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
o Signing (mast-arm/pole/span wire mounted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

	Yes	No	N/A	Comments
SIGNING				
• One breakaway base support system is supplied for each sign post	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Aluminum angles quantity is included for mounting signs on existing steel supports	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Concrete quantity is included for foundations for steel supports and overhead / cantilever sign structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Item for removal of signs, sign supports and sign structures is included in quantities / estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

	Yes	No	N/A	Comments
PAVEMENT MARKING				
• Pavement marking words and symbols are measured in SF (not EA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Item for removal of pavement markings is included in quantities / estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

ENGINEER'S ESTIMATE				
	Yes	No	N/A	Comments
<ul style="list-style-type: none"> Quantities are separated by line width, color, and material 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
LIGHTING				
<ul style="list-style-type: none"> Pole height is included in measurements when a pole is used to transport electrical cable from overhead to underground 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Connector kits are quantified 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Cable estimate accounts for total measured quantity plus 10-20% for excess in handholes, cable slack, connections, splices, and drip loops 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Ground rod quantity is included 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	No	N/A	Comments
SIGNALS				
<ul style="list-style-type: none"> Span wire quantity accounts for sag and extra wire at each end 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Pole height is included in measurements when a pole is used to transport electrical cable from overhead to underground 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Loop wire estimate accounts for the number of turns per sawcut, plus two times the distance from the detector to the handhole, plus 5% to account for twisted cable 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Cable estimate accounts for total measured quantity plus 10-20% for excess in handholes, cable slack, connections, splices, and drip loops 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Loop detector lead-in cable quantity is included 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Detector Cable quantity for signal preemption accounts for extra 20% in the length for slack, coil, connections, etc. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Test pits quantity is included 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

FIELD REVIEW				
	Yes	No	N/A	Comments
<ul style="list-style-type: none"> Existing signing, pavement markings, lane configurations, traffic barrier, etc. are as shown on the plans 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Existing signing equipment to be reused is in good condition and accommodates intended use as shown on plans 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Existing traffic patterns, including lane drops, reductions, transitions, etc. are as shown on the plans 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

FIELD REVIEW				
	Yes	No	N/A	Comments
• Existing lighting, electrical systems, drainage elements, overhead and underground utilities, existing power service, etc. are as shown on the plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing lighting and electrical equipment to be reused is in good condition and accommodates intended use as shown on plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing signals and associated equipment (e.g. cabinet, conduit runs, detection, signal structures, signal heads, etc.) are as shown on the plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing signal equipment to be reused is in good condition and accommodates intended use as shown on plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing roadway geometrics, drainage elements, sidewalks / ramps, traffic barrier, etc. are as shown on the plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Posted speed corresponds with design speed used for the project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Project limits are correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Adequate right of way and/or easements have been provided for signing, lighting, and signal installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Existing bicycle facilities have been retained in the proposed design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Proposed power feeds and telephone lines are available for service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Heights of overhead utilities will not conflict with proposed signing, lighting and signal installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Proposed structures / foundations are not located in drainage facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Locations exist where existing guardrail may be extended rather than new guardrail installed, as proposed in the plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All physical constraints that may prevent traffic control device installation are shown on the plans (e.g. trees, shrubbery)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• There are no obvious special conditions that have been omitted from the plans (e.g. on-street parking, bus lanes / stops)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Digital photographs of the project site have been submitted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Maryland Department of Transportation State Highway Administration Traffic Engineering Design Division Areawide Checklist

Contract No.: _____ TIMS No.: _____ Designer: _____
 Scheduled PSE: _____ Location: _____
 Description: _____
 Project Type: _____

Tasks	Dates		Comments
	Requested/ Began	Received/ Completed	
Contact DR Preparer			
Obtain Existing Plans – Construction/ROW			
Environmental Review Request w/ Site Map			
Field Review			
Power Location Requested			
Request Structure Design			
Utility Conflicts Cleared?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Final Review			
FR Minutes (to Team Leader from Designer for concurrence)			
Modified 25C to CFD w/ map Note: Cost Sharing			
PSE Package for Signature			
PSE Submittal			
If APS, approved APS Message Worksheet emailed to Edward Rodenhizer?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		

PSE Package Contains the Following			Final Cost: _____		
	Yes	N/A		Yes	N/A
Transmittal Letter	<input type="checkbox"/>	<input type="checkbox"/>	Environmental Review Request	<input type="checkbox"/>	<input type="checkbox"/>
Work Description	<input type="checkbox"/>	<input type="checkbox"/>	Final Review Letter	<input type="checkbox"/>	<input type="checkbox"/>
Independent Review	<input type="checkbox"/>	<input type="checkbox"/>	Modified 25C- CPD	<input type="checkbox"/>	<input type="checkbox"/>
Power Confirmation	<input type="checkbox"/>	<input type="checkbox"/>	CD	<input type="checkbox"/>	<input type="checkbox"/>
Traffic Barrier Include	<input type="checkbox"/>	<input type="checkbox"/>	Partial Reimbursements - Logo projects	<input type="checkbox"/>	<input type="checkbox"/>
Structure Details	<input type="checkbox"/>	<input type="checkbox"/>	Consultant Report Card	<input type="checkbox"/>	<input type="checkbox"/>
Signing & Lighting Details	<input type="checkbox"/>	<input type="checkbox"/>	LED Tracker	<input type="checkbox"/>	<input type="checkbox"/>
Engineer's Estimate	<input type="checkbox"/>	<input type="checkbox"/>	UPS Tracker	<input type="checkbox"/>	<input type="checkbox"/>
Checked by Team Leader (signature)					

**Maryland Department of Transportation
State Highway Administration
Traffic Engineering Design Division Insert Checklist**

Contract No.: _____ TIMS No.: _____ Designer: _____
 Scheduled PSE: _____ Location: _____
 Description: _____
 Project Type: _____

Tasks	Dates		Comments
	Requested/ Began	Received/ Completed	
Field Review			
Request Structure Design			
Power Location Requested			
Utility Conflicts Cleared?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	
Final Review			
FR Minutes (to Cedric Ward from Chief for concurrence)			
PSE Package for Signature			
PSE Submittal			
If APS, approved APS Message Worksheet emailed to Edward Rodenhizer?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	

PSE Package Contains the Following			Final Cost: _____		
	Yes	N/A		Yes	N/A
Transmittal Letter	<input type="checkbox"/>	<input type="checkbox"/>	Final Review Letter	<input type="checkbox"/>	<input type="checkbox"/>
Work Description	<input type="checkbox"/>	<input type="checkbox"/>	CD	<input type="checkbox"/>	<input type="checkbox"/>
Signal Plan & SP Info – GI	<input type="checkbox"/>	<input type="checkbox"/>	Consultant Report Card	<input type="checkbox"/>	<input type="checkbox"/>
Power Confirmation	<input type="checkbox"/>	<input type="checkbox"/>	Design Checklist	<input type="checkbox"/>	<input type="checkbox"/>
Traffic Barrier Include	<input type="checkbox"/>	<input type="checkbox"/>	LED Tracker	<input type="checkbox"/>	<input type="checkbox"/>
Structure Details	<input type="checkbox"/>	<input type="checkbox"/>	UPS Tracker	<input type="checkbox"/>	<input type="checkbox"/>
Signing & Lighting Details	<input type="checkbox"/>	<input type="checkbox"/>			
Engineer's Estimate	<input type="checkbox"/>	<input type="checkbox"/>			
Checked by Team Leader (signature)					

**Maryland Department of Transportation
State Highway Administration
Traffic Engineering Design Division Developer Checklist**

Contract No.: _____ TIMS No.: _____ Designer: _____
 Scheduled PSE: _____ Location: _____
 Description: _____
 Project Type: _____

Tasks	Dates		Comments
	Requested/ Began	Received/ Completed	
Field Review			
Utility Conflicts Cleared?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	
Final Review			
FR Minutes (to Team Leader from Designer for concurrence)			
PSE Package for Signature			
PSE Submittal			
If APS, approved APS Message Worksheet emailed to Edward Rodenhizer?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	

PSE Package Contains the Following:

Final Cost: _____

	Yes	N/A
Transmittal Letter:	<input type="checkbox"/>	<input type="checkbox"/>
Work Description:	<input type="checkbox"/>	<input type="checkbox"/>
Traffic Barrier Include:	<input type="checkbox"/>	<input type="checkbox"/>
Structure Details:	<input type="checkbox"/>	<input type="checkbox"/>
Signing & Lighting Details:	<input type="checkbox"/>	<input type="checkbox"/>
Engineer's Estimate:	<input type="checkbox"/>	<input type="checkbox"/>

	Yes	N/A
Final Review Letter:	<input type="checkbox"/>	<input type="checkbox"/>
CD:	<input type="checkbox"/>	<input type="checkbox"/>
Consultant Report Card:	<input type="checkbox"/>	<input type="checkbox"/>

Checked by Team Leader (signature)