STAGE I CONSTRUCTABILITY REVIEW RECOMMENDATIONS

PROJECT MANAGER CONTACTS CONSTRUCTION MANAGER, MAINTENANCE MANAGER AND LAND ACQUISITION, UTILITIES, AND ENVIRONMENTAL FUNCTIONAL MANAGERS THREE WEEKS PRIOR TO STAGE I REVIEW TO COORDINATE TIME AND PLACE.

PROJECT MANAGER CONTACTS AREA ENGINEER (CONSTRUCTION MANAGER) THREE WEEKS PRIOR TO THE REVIEW TO COORDINATE TIME AND PLACES.

STAGE 1 PLANS ARE 25% COMPLETE. IN THIS REVIEW THE FOUR CRITERIA ARE PLANS, SITE INVESTIGATION, UTILITIES AND RIGHT OF WAY, AND GENERAL CONSIDERATIONS.

STAGE 1 DOCUMENTS

- STAGE 1 PLANS
- ENVIRONMENTAL SUMMARY (DRAFT DOCUMENT)
- DESCRIPTION OF ALL PERMITS NEEDED
- FIRM LINE/GRADE/GEOMETRIC LAYOUT
- ABBREVIATED ENGINEER'S ASSESSMENT
- Design Exception
- Mainline Culvert Hydraulics Report
- BRIDGE HYDRAULICS REPORT
- BRIDGE STRUCTURE ECONOMIC ANALYSIS
- COST ESTIMATE
- COMMITMENT REPORT

COMMONLY MISSED ITEMS TO CHECK

- THE DESIGNER SHOULD HAVE SOME INDICATION OF WHAT PERMITS WILL BE NEEDED FOR THE CONTRACT AT 25% PLANS. IF THIS INCLUDES THE GEOMETRIC LAYOUT THEN IMPACTS SHOULD BE DETERMINED. THE DESIGNER SHOULD COMPILE A LIST OF PERMITS WHICH MAY BE PERTINENT AT THIS TIME. (USACE, RGP, NWP, ETC) ALTHOUGH THE DESIGNER CANNOT APPLY AT THIS POINT DUE TO THE LIMITED AMOUNT OF DETAILS, ALL PERMITS SHOULD BE DISCUSSED AND LISTED SO THAT ADDITIONAL PERMITS CAN BE ADDED OR OTHER PERMITS CAN BE OMITTED IN THE FUTURE.
- THE EXISTING RIGHT OF WAY (IF APPLICABLE) SHOULD BE SHOWN AT THIS POINT. INDOT SHOULD VERIFY THAT THE RIGHT OF WAY SHOWN ON THE 25% PLANS IS ACTUALLY OWNED BY INDOT. IF NOT, AND THIS DOES HAPPEN, THERE WILL BE TIME TO REMEDY THIS DURING THE NEW RIGHT OF WAY PROCUREMENT.
- VERIFY THE STRUCTURE OF THE EXISTING ROAD WAY, DO CORES OF THE EXISTING PAVEMENT AND SHOULDER NEED TO BE TAKEN?
 IF SO, AT WHAT LOCATIONS SHOULD CORES BE TAKEN? THE EXISTING PAVEMENT MAY AFFECT MOT, PAVEMENT REMOVAL, ETC.



INDIANA DEPARTMENT OF TRANSPORTATION LEVEL 2

PROJECT CONSTRUCTABILITY REVIEW 1 STAGE 1 PREVENTATIVE MAINTENANCE PLAN REVIEW PROJECT MANAGER/CONSTRUCTION MANAGER/MAINTENANCE MANAGER

PRIMARY DES No.	CONTRACT NO	
ROUTE	DISTRICT	
Work Type	RFC DATE	
PROJECT LOCATION		
	Designer	
	MAINTENANCE MANAGER	
Construction Manager	DATE	

EVALUATION OF PROJECT CONSTRUCTABILITY QUALITY

CONSTRUCTABILITY		Y	N	N/A	Note	FLAG
A.	SITE INVESTIGATION					
*	1. Is the location survey complete? Does it include HORIZONTAL AND VERTICAL CONTROL?					
*	2. IS THERE ADEQUATE ACCESS TO THE CONSTRUCTION SITE?					
*	3. ARE THERE AREAS WHERE THE ALIGNMENT CAN BE IMPROVED?					
*	4. If SHOULDER WILL BE USED TO CARRY TRAFFIC DURING STAGED CONSTRUCTION, ARE THEY WIDE ENOUGH? STRUCTURALLY ADEQUATE? OR SHOULD RECONSTRUCTION BE REQUIRED?					
*	5. Does the existing pavement have a concrete base that is not shown?					
*	6. WILL SAWED JOINTS BE REQUIRED FOR PAVEMENT REMOVAL?					
*	7. ARE THERE HAZARDOUS MATERIALS ON THE PROJECT?					
*	8. If STAGED CONSTRUCTION, ARE DETOURS REQUIRED?					
*	9. Does locality have noise limits that restrict night work?					
*	10. What are the locations of Geotech investigations? When were they taken?					
*	11. HAS GEOTECH TAKEN CORES OF THE EXISTING PAVEMENT AND SHOULDER TO VERIFY THE STRUCTURE OF THE EXISTING ROADWAY? WHERE WERE CORES TAKEN?					

^{* -} Item related to consultant designer evaluation

Y - Yes, N - No, NA - Not Applicable, Note - See note number, Flag - Item requires priority attention

Rev 06-)6-03-14	
		Y	N	N/A	Note	FLAG
В.	PLANS					
*	1. Do plans accurately show existing field conditions?					
*	2. ARE CONTROL POINTS INCLUDED AND ARE ACCURATE TO MATCH THE WORK TO EXISTING CONDITIONS?					
*	3. ARE CONTROL POINTS NOTED FROM PROJECT LIMITS TO PROJECT LIMITS?					
*	4. CONTROL POINTS SHOULD BE ON BOTH SIDES OF A STRUCTURE.					
*	5. ARE THE TYPICAL SECTIONS APPROPRIATE?					
*	6. IS THE HORIZONTAL ALIGNMENT APPROPRIATE?					
*	7. IS THE VERTICAL ALIGNMENT APPROPRIATE?					
*	8. WILL ANY RIGHT OF ENTRY OR CONSTRUCTION EASEMENTS BE REQUIRED?					
*	9. HAVE PEDESTRIAN ACCOMMODATIONS BEEN ADDRESSED?					
*	10. ARE THE PROJECT LIMITS APPROPRIATE?					
*	11. CAN OVERLOADS/WIDTHS BE HAULED THROUGH JOB? WHAT IS LOAD LIMIT?					
*	12. IS THE STRUCTURE SIZING AND TYPE SELECTION APPROPRIATE?					
*	13. Is all previous repair work noted on the plans or as-built?					
*	14. DO THE CHANNEL CHANGE LAYOUT DETAILS APPROPRIATELY TIE INTO THE EXISTING CHANNEL AND SURROUNDING TOPOGRAPHY?					
*	15. ARE THE MAINLINE CULVERTS LOCATED APPROPRIATE FOR THE PROJECT AND HAS CONSTRUCTION PHASING BEEN CONSIDERED?					
*	16. Is existing drainage affected by the temporary pavement?					
*	17. Does proposed drainage function during construction phases?					
*	18. Is STORM SEWER DESIGN APPROPRIATE FOR THE PROJECT?					
*	19. HAS OFFSITE DRAINAGE BEEN CONSIDERED (BEYOND CONSTRUCTION LIMITS)?					
*	20. IS THERE SUFFICIENT ROOM FOR ACCESS REQUIREMENTS?					
*	21. ANY EXISTING OR PROPOSED DRAINAGE ISSUES TO BE ADDRESSED?					
C. UTILITIES AND R/W						
*	1. Is UTILITY LOCATION & IDENTIFICATION IN PROGRESS?					
*	2. Is subsurface utility exploration (SUE) APPROPRIATE?					
Щ			I .	1		

^{* -} Item related to consultant designer evaluation
Y - Yes, N - No, NA - Not Applicable, Note - See note number, Flag - Item requires priority attention

					ICV (06-03-14
		Y	N	N/A	Note	FLAG
*	3. Are there utilities that will be impacted?					
*	4. CHECK FOR OVERHEAD UTILITY CONFLICTS.					
*	5. Is existing right-of-way and property line					
	DETERMINATION COMPLETE?					
*	6. IS THERE ENOUGH ROOM FOR ALL PERMANENT RETAINING					
	WALL ELEMENTS TO FIT WITHIN THE PROPOSED R/W?					
*	7. Do the structures fit in the R/W?					
*	8. IS THERE ENOUGH WORK ROOM TO BUILD THE					
	STRUCTURES ON THE R/W?					
D. (GENERAL CONSIDERATIONS					
*	1. HAVE CONFLICTS WITH OTHER PROJECTS IN AREA BEEN IDENTIFIED?					
*	2. Is there adequate access to the construction					
	SITES?					
*	3. CAN ANY IMPROVEMENT BE MADE IN THE ALIGNMENT?					
*	4. Does existing pavement have a concrete base?					
*	5. WILL SAWED JOINTS BE REQUIRED FOR PAVEMENT					
	REMOVAL?					
*	6. IS THERE SUFFICIENT CLEARANCE IN THE WORK ZONE FOR					
	CONSTRUCTION OPERATIONS?					
*	7. If STAGED CONSTRUCTION, WILL DETOURS BE REQUIRED?					
*	8. WILL SCHOOL BUSES, MAIL CARRIERS, FIRE TRUCKS,					
	EMERGENCY VEHICLES, OR OTHER LOCAL TRAFFIC					
	REQUIRE SPECIAL MAINTENANCE OF TRAFFIC OPERATIONS?					
*	9. Are the necessary restrictions (lane closures,					
	HOURS OF OPERATIONS, HOLIDAY, WEEKEND AND MAJOR					
	EVENTS RESTRICTIONS) INDICATED?					
*	10. CAN LEFT OR RIGHT TURN LANES BE MAINTAINED DURING					
	CONSTRUCTION? OR CAN THEY BE CLOSED DURING					
	CERTAIN PHASES?					
*	11. WILL TEMPORARY SIGNALS BE REQUIRED?					
*	12. IS THE PROJECT COMPATIBLE WITH FUTURE WIDENING					
	PROJECTS?					
*	13. Has the desired completion date been identified or					
	LETTING DATE APPROPRIATE?					

^{* -} Item related to consultant designer evaluation
Y - Yes, N - No, NA - Not Applicable, Note - See note number, Flag - Item requires priority attention

Note No.	REVIEWER COMMENTS

^{* -} Item related to consultant designer evaluation
Y - Yes, N - No, NA - Not Applicable, Note - See note number, Flag - Item requires priority attention

Note No.	DESIGNER COMMENTS

(ATTACH ADDITIONAL SHEETS AS NECESSARY)

^{* -} Item related to consultant designer evaluation
Y - Yes, N - No, NA - Not Applicable, Note - See note number, Flag - Item requires priority attention