

## CHECKLIST FOR CONSTRUCTABILITY REVIEW PROJECT DEVELOPMENT PHASE

DISTRIBUTION: Original – Design Project File

CONTROL SECTION	JOB NUMBER
-----------------	------------

PROJECT DESCRIPTION (*Route, Limits*)

### THIS SECTION TO BE COMPLETED BY DEVELOPMENT

	DESCRIPTION	YES	NO	N/A	MORE INFO NEEDED
<b>I</b>	<b>BIDDABILITY</b>				
	<i>Ensure that the major issues are addressed early in the process to facilitate a fair and accurate bid.</i>				
1.	Are agreements and any coordination in place with appropriate agencies/utilities/other affected parties?				
2.	Are permits executed and have all requirements identified been addressed on the plans (MDEQ, Coast Guard, waterway, RR, regulatory, local agency, FAA, etc.)?				
3.	Is the environmental classification complete?				
4.	Is the environmental certification complete?				
<b>II</b>	<b>BUILDABILITY</b>				
	<i>Ensure the accuracy and completeness of the contract plans so that the design as specified on the final plans can be built.</i>				
<b>A.</b>	<b>Site Investigation</b>				
1.	Has a current site survey been completed (horizontal & vertical controls)?				
2.	Was subsurface exploration performed? (soil boring, water table, etc.)				
3.	Was there a utility investigation including overhead lines?				
4.	Are the existing drainage features adequate?				
5.	Has the level/amount of deterioration identified during the original scope been rechecked? <i>A recheck should occur if the original scope is more than 2 years old.</i>				
<b>B.</b>	<b>Right of Way</b>				
1.	Have any special access requirements been addressed?				
2.	Are private facilities located within the R.O.W. that need to be addressed?				
<b>C.</b>	<b>Construction Staging</b>				
1.	Have local ordinances been investigated and permits secured?				
2.	If applicable, have permit requirements been noted?				
<b>D.</b>	<b>Maintenance of Traffic</b>				
1.	Have items been reviewed on the Transportation Management Plan Project Development Checklist to determine what items are needed? (Appendix A of the Work Zone Safety and Mobility Manual)				

	DESCRIPTION	YES	NO	N/A	MORE INFO NEEDED
<b>E.</b>	<b>Schedule</b>				
1.	Have the regulatory permit restrictions been considered?				
<b>F.</b>	<b>Special Materials/Conditions</b>				
1.	Has the presence of asbestos, hazardous waste or toxic materials been identified and addressed?				
<b>G.</b>	<b>Project Budget per Phase</b>				
1.	Have all programmed phase budgets been checked to confirm sufficient funds for each phase has been programmed?				
2.	If funds are insufficient, have adjustments been made to ensure the project will be within the current programmed amount or have arrangements made to secure the necessary funds in the required time frame?				
3.	Have the Construction Engineering (CE) values been calculated to provide a fixed figure amount and not a % of the awarded bid to ensure the full intended amount is held for oversight of the project. Please verify this is the case.				

**THIS SECTION TO BE COMPLETED BY DELIVERY**

<b>I</b>	<b>BIDDABILITY</b>				
	No items for Delivery				
<b>II</b>	<b>BUILDABILITY</b>				
	<i>Ensure the accuracy and completeness of the contract plans so that the design as specified on the final plans can be built.</i>				
<b>A.</b>	<b>Site Investigation</b>				
1.	Has the Engineer performed a site visit?				
2.	Has sufficient field investigation been conducted to ascertain that the proposed contract work can be performed?				
<b>B.</b>	<b>Right of Way</b>				
1.	Is there sufficient R.O.W. available for all operations?				
<b>C.</b>	<b>Construction Staging</b>				
1.	Is the project phased to provide reasonable work areas and access?				
2.	Are widths of work zones and travel lanes adequate?				
3.	Are heights of the work zones and travel lanes adequate?				
4.	Does staging cause special conditions (structural adequacy/stability, etc.)?				
5.	Are any proposed adjacent contracts, restrictions, and constraints identified and accounted for?				
6.	Can the details as shown on the plans be constructed using standard industry practices, operations, and equipment?				
7.	Can construction-staging operations be carried out according to the maintenance of traffic plan?				
8.	Can drainage be maintained through each stage?				
<b>D.</b>	<b>Maintenance of Traffic</b>				
1.	Are there adequate provisions for access for pedestrians and abutting properties?				
2.	Are there adequate provisions for emergency providers?				
3.	Are there adequate provisions for water traffic?				
4.	Have delays been estimated and provisions made to minimize them?				

	DESCRIPTION	YES	NO	N/A	MORE INFO NEEDED
<b>E.</b>	<b>Schedule</b>				
1.	Is the length of time and production rate for work reasonable?				
2.	Are there any restricted hours and have their impact on production been considered?				
3.	Have other contracts in the area been considered and how they affect this project (i.e., trucking routes, accessibility, traffic control)?				
4.	Does the schedule consider long lead-time for ordering materials?				
5.	Is the shop drawing review time considered?				
6.	Are night and weekend work proposed, and if so are the impacts considered?				
7.	Is sequence of construction reasonable?				
8.	Have seasonal limits on construction operations been considered and accounted for?				
9.	Does the utility relocation schedule fit into the overall schedule?				
<b>F.</b>	<b>Special Materials/Conditions</b>				
1.	Are any special (unique/proprietary) materials, methods or technologies required for the contract?				
2.	Have soil erosion/sedimentation issues been addressed?				
3.	Have all environmental constraints been avoided and restrictions been adhered to?				
<b>G.</b>	<b>Staffing</b>				
1.	Are there any special operations that would require inspection specialists?				
<b>H.</b>	<b>Construction Budget (CON &amp; CE)</b>				
1.	Have the CON phase & CE budgets been checked to confirm sufficient funds for each phase has been programmed?				
2.	If funds are insufficient, have adjustments been made to ensure the project will be within the current programmed amount or have arrangements made to secure the necessary funds in the required time frame?				
3.	Have the Construction Engineering (CE) values been calculated to provide a fixed figure amount and not a % of the awarded bid to ensure the full intended amount is held for oversight of the project. Please verify this is the case.				

**DEVELOPMENT**

COMMENTS

		<b>N/A</b>
MDOT	DATE	
CONSULTANT	DATE	

**DELIVERY**

COMMENTS

		<b>N/A</b>
MDOT	DATE	
CONSULTANT	DATE	