

Note: If the Selection response is No or N/A for a Checklist Identifier Line Item, then please provide an explanation as to why the selection is No or N/A in the respective line item comment section. The comments provided herein are for information and should not be considered the product of a comprehensive review. The Engineer of Record retains full responsibility for the overall quality and accuracy of the final deliverable(s).

90% FINAL PLAN REVIEW CHECKLIST					
Checklist Identifier	Designer Selection	Designer Comments	General	Reviewer Selection	Reviewer Comments
090.001.001			Are the title blocks filled out on each sheet with correct JP information? Are stamps in the upper right hand corner correspond to the correct plan submittal ( <i>Final Field Meeting</i> )?		
090.001.002			Have all comments from previous meetings been addressed?		
090.001.003			Using estimates located in ProjectWise, is the variance between the 60% Construction Estimate and the 90% Construction Estimate less than 10%? If not, please explain in Comments.		
090.001.004			If FAA permit is needed for airports, is it provided? ( <a href="https://www.faa.gov/forms/index.cfm/go/document.information/documentid/186273">https://www.faa.gov/forms/index.cfm/go/document.information/documentid/186273</a> )		

Checklist Identifier	Designer Selection	Designer Comments	Design	Reviewer Selection	Reviewer Comments
090.002.001			Has Final Pavement Design been signed by Chief Engineer and incorporated into plans and placed in Projectwise? (see Projectwise File Structure tab)		
090.002.002			Has Final Geotechnical Report been approved, placed in Projectwise, and have significant findings been incorporated into design? Review "Recommendations" section from Geotechnical Report. (see Projectwise File Structure tab)		

Checklist Identifier	Designer Selection	Designer Comments	Title Sheet	Reviewer Selection	Reviewer Comments
090.003.001			Were any updates made to Title Sheet from the 60% review? If so, go back and evaluate 60% Preliminary review checklist. Design Traffic Data and Federal Project Number are of particular interest.		
090.003.002			For Title Sheets that do not include separate Index of Sheets and Standards, perform check for Index of Sheets and Standards for Title Sheet.		

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Checklist Identifier	Designer Selection	Designer Comments	Index of Sheets and Standards	Reviewer Selection	Reviewer Comments
090.004.001			Do sheet numbers match requirements for ProjectWise submittals? ( <a href="https://www.odot.org/wp_projectwise/sheet-naming-convention">https://www.odot.org/wp_projectwise/sheet-naming-convention</a> )		
090.004.002			Are sheet numbers sequential and not repeated?		
090.004.003			Do sheet names on index match the sheet names on the sheets?		
090.004.004			Do standards on sheet match exactly with what is shown on Office Engineer list? ( <a href="https://oklahoma.gov/odot/business-center/construction/construction-engineering.html">https://oklahoma.gov/odot/business-center/construction/construction-engineering.html</a> )		
090.004.005			Are standards called out as 2009 or 2019?		
090.004.006			If traffic signals are included in the project, is the footing design standard (CFD1-2-latest version) included?		
090.004.007			If overhead signs are included in the project, are the new ODOT Monotube standards included?		

Checklist Identifier	Designer Selection	Designer Comments	Typical Sections	Reviewer Selection	Reviewer Comments
090.005.001			Do Typical Section Sheets match the Final Pavement Design?		
090.005.002			Is the stationing consistent with the summaries, details, and mass diagrams?		
090.005.003			Is the initial grading width dimensioned?		

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Checklist Identifier	Designer Selection	Designer Comments	Summary of Pay Items and Notes - Bridge	Reviewer Selection	Reviewer Comments
090.006.001			Are summary column totals correct?		
090.006.002			Is stationing in all summaries consistent with all applicable sheets?		
090.006.003			Are station extents correct? (no gaps or overlaps)		
090.006.004			Are right and left designations correct?		
090.006.005			Are pay items shown exactly as found in the current pay quantity database including units and codes? ( <a href="https://www.odot.org/contracts/itemlist.htm">https://www.odot.org/contracts/itemlist.htm</a> )		
090.006.006			Do lump sum (LSUM) pay items have a quantity of one (1.00)?		
090.006.007			Are pay items listed in order by item number?		
090.006.008			Do summary totals match those listed in the pay quantity table?		
090.006.009			Do pay items categories on the plans match pay item categories in AWP? (200-Bridge; 600-Staking; 640-Construction, etc.)		
090.006.010			If there are multiple categories, do they have a unique number? (200-Bridge A, 201-Bridge B, 202-Bridge C, etc.)		
090.006.011			Are any referenced standards written correctly? ( <a href="https://www.odot.org/bridge/standards.htm">https://www.odot.org/bridge/standards.htm</a> )		
090.006.012			Are pay quantity notes and general construction notes for current specifications used and are notes tied to the correct pay items?		
090.006.013			Are special provisions required, and if so, do they match the current list shown on Office Engineer website? ( <a href="https://www.odot.org/c_manuals/specprov2019/oe_sp_2019-list.pdf">https://www.odot.org/c_manuals/specprov2019/oe_sp_2019-list.pdf</a> )		
090.006.014			Do the values and descriptions for the bridge hydraulic drainage structures match with those on the PNPs and cross sections?		
090.006.015			If there are Non-Participating items, are there notes to clarify who is paying for those items and are they in the 900 category?		
090.006.016			Do summary totals match those listed in the bridge sheets?		
090.006.017			For widening and/or rehabilitation of existing structures, are proposed new bearing assemblies specified to match existing bearing assemblies, in kind? If applicable, will existing bearing assemblies require repair/rehabilitation?		
090.006.018			For new bridge construction, are stainless steel bearing assemblies specified? If not, is the bridge owner agreeable to another material?		
090.006.019			Do elements in General Plan and Elevation sheets have associated pay items?		

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Checklist Identifier	Designer Selection	Designer Comments	Summary of Pay Items and Notes - Bridge (Continued)	Reviewer Selection	Reviewer Comments
090.006.020			If retaining walls are shown, is the appropriate type used? For retaining walls less than 10' high, use Cast in Place (CIP). For retaining walls more than 10' high, use Mechanically Stabilized Earth (MSE).		
090.006.021			Review the Pay Item List and Compare to the Plan & Profile sheets to confirm all pay items are accounted for. ( <a href="https://www.odot.org/contracts/itemlist.htm">https://www.odot.org/contracts/itemlist.htm</a> )		

Checklist Identifier	Designer Selection	Designer Comments	Summary of Pay Items and Notes - Environmental	Reviewer Selection	Reviewer Comments
090.007.001			Using the NEPA Document, are the notes called out in the NEPA Summary shown correctly on the Notes Sheet? (Environmental Documents)		

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Checklist Identifier	Designer Selection	Designer Comments	Summary of Pay Items and Notes - Intelligent Transportation Systems	Reviewer Selection	Reviewer Comments
090.008.001			Are summary column totals correct?		
090.008.002			Is stationing in all summaries consistent with all applicable sheets?		
090.008.003			Are station extents correct? (no gaps or overlaps)		
090.008.004			Are right and left designations correct?		
090.008.005			Are pay items shown exactly as found in the current pay quantity database including units and codes? ( <a href="https://www.odot.org/contracts/itemlist.htm">https://www.odot.org/contracts/itemlist.htm</a> )		
090.008.006			Do lump sum (LSUM) pay items have a quantity of one (1.00)?		
090.008.007			Are pay items listed in order by item number?		
090.008.008			Do summary totals match those listed in the pay quantity table?		
090.008.009			Do pay items categories on the plans match pay item categories in AWP? (300-Traffic, 600-Staking; 640-Construction; etc.)		
090.008.010			Are any referenced standards written correctly? ( <a href="https://oklahoma.gov/odot/business-center/construction/construction-engineering.html">https://oklahoma.gov/odot/business-center/construction/construction-engineering.html</a> )		
090.008.011			Are pay quantity notes and general construction notes for current specifications used and are notes tied to the correct pay items?		
090.008.012			Are special provisions required, and if so, do they match the current list shown on Office Engineer website? ( <a href="https://www.odot.org/c_manuals/specprov2019/oe_sp_2019-list.pdf">https://www.odot.org/c_manuals/specprov2019/oe_sp_2019-list.pdf</a> )		
090.008.013			If there are Non-Participating items, are there notes to clarify who is paying for those items and are they in the 900 category?		
090.008.014			Review the Pay Item List and Compare to the Plan & Profile sheets to confirm all pay items are accounted for. ( <a href="https://www.odot.org/contracts/itemlist.htm">https://www.odot.org/contracts/itemlist.htm</a> )		

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Checklist Identifier	Designer Selection	Designer Comments	Summary of Pay Items and Notes and Summary Sheets - Roadway	Reviewer Selection	Reviewer Comments
090.009.001			Are summary column totals correct?		
090.009.002			Is stationing in all summaries consistent with all applicable sheets?		
090.009.003			Are station extents correct? (no gaps or overlaps)		
090.009.004			Are right and left designations correct?		
090.009.005			Are pay items shown exactly as found in the current pay quantity database including units and codes? ( <a href="https://www.odot.org/contracts/itemlist.htm">https://www.odot.org/contracts/itemlist.htm</a> )		
090.009.006			Do lump sum (LSUM) pay items have a quantity of one (1.00)?		
090.009.007			Are pay items listed in order by item number?		
090.009.008			Do pay items categories on the plans match pay item categories in AWP? (100-Roadway; 600-Staking; 640-Construction, etc.)		
090.009.009			Are any referenced standards written correctly? ( <a href="https://oklahoma.gov/odot/business-center/construction/construction-engineering.html">https://oklahoma.gov/odot/business-center/construction/construction-engineering.html</a> )		
090.009.010			Are special provisions required, and if so, do they match the current list shown on Office Engineer website? ( <a href="https://www.odot.org/c_manuals/specprov2019/oe_sp_2019-list.pdf">https://www.odot.org/c_manuals/specprov2019/oe_sp_2019-list.pdf</a> )		
090.009.011			If there are Non-Participating items, are there notes to clarify who is paying for those items and are they in the 900 category?		
090.009.012			Using <a href="#">Number Formatting/Rounding Chart</a> , do pay items have the correct unit of measure?		
090.009.013			Do summary totals match those listed in the pay quantity table?		
090.009.014			Are notes tied to the correct pay items and are any additional note quantities included in calculated pay items? Check Roadway R-notes to ensure latest available notes are being used. ( <a href="https://oklahoma.gov/odot/business-center/pre-construction-design/roadway-design.html">https://oklahoma.gov/odot/business-center/pre-construction-design/roadway-design.html</a> )		
090.009.015			Are removals and saw cutting accounted for in pay items and notes? Do drainage pipes designated as temporary in the summaries have an R-note tied for removal?		
090.009.016			Do erosion control pay items include contingency quantities, if requested from the field district?		
090.009.017			Do they include the pay item for Clearing and Grubbing?		
090.009.018			Does the pay item for borrow have sufficient quantity?		

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Checklist Identifier	Designer Selection	Designer Comments	Summary of Pay Items and Notes and Summary Sheets - Roadway (Continued)	Reviewer Selection	Reviewer Comments
090.009.019			Do the values and descriptions for the drainage structure summary match with those on the PNPs and cross sections?		
090.009.020			Are drain end treatments accounted for and are safety grates called out in summary?		
090.009.021			Using the provided as-built plans, has reconnaissance on previous project been performed to ensure that removal items are accounted for?		
090.009.022			Are rock quantities identified in the Geotechnical Report calculated 500' before and after the identified point and are rock excavation quantity tied to a note?		
090.009.023			Using the Final Geotechnical Report placed in Projectwise, are quantities added for settling/overburden? (see Projectwise File Structure tab)		
090.009.024			Review the Pay Item List and Compare to the Plan & Profile sheets to confirm all pay items are accounted for. ( <a href="https://www.odot.org/contracts/itemlist.htm">https://www.odot.org/contracts/itemlist.htm</a> )		

Checklist Identifier	Designer Selection	Designer Comments	Summary of Pay Items and Notes - Railroad	Reviewer Selection	Reviewer Comments
090.010.001			Railroad Pay Items will be included on Traffic Summary of Pay Items and Notes. Railroad Notes will be provided by Multimodal Division where necessary. Are Railroad Notes included?		

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Checklist Identifier	Designer Selection	Designer Comments	Summary of Pay Items and Notes - Traffic	Reviewer Selection	Reviewer Comments
090.011.001			If Lump Sum Traffic Control shown, is approval from Chief Engineer provided? If allowed, is LSUM quantity 1.00?		
090.011.002			Are summary column totals correct?		
090.011.003			Is stationing in all summaries consistent with all applicable sheets?		
090.011.004			Are station extents correct? (no gaps or overlaps)		
090.011.005			Are right and left designations correct?		
090.011.006			Are pay items shown exactly as found in the current pay quantity database including units and codes? ( <a href="https://www.odot.org/contracts/itemlist.htm">https://www.odot.org/contracts/itemlist.htm</a> )		
090.011.007			Are pay items listed in order by item number?		
090.011.008			Do summary totals match those listed in the pay quantity table?		
090.011.009			Do pay items categories on the plans match pay item categories in AWP? (300-Traffic, 600-Staking; 640-Construction; etc.)		
090.011.010			Are any referenced standards written correctly? ( <a href="https://oklahoma.gov/odot/business-center/construction/construction-engineering.html">https://oklahoma.gov/odot/business-center/construction/construction-engineering.html</a> )		
090.011.011			Are special provisions required, and if so, do they match the current list shown on Office Engineer website? ( <a href="https://www.odot.org/c_manuals/specprov2019/oe_sp_2019-list.pdf">https://www.odot.org/c_manuals/specprov2019/oe_sp_2019-list.pdf</a> )		
090.011.012			Do sign day (SD) traffic control pay items have a TC-84 note (or equivalent) associated?		
090.011.013			Are pay quantity notes and general construction notes for current specifications used? Are notes tied to the correct pay items?		
090.011.014			Is pavement marking removal accounted for? (Quantity in 4" equivalent)		
090.011.015			Do the totals within each traffic stripe note match what is in the pay quantity table?		
090.011.016			Review the Pay Item List and Compare to the Traffic Plan sheets to confirm all pay items are accounted for. ( <a href="https://www.odot.org/contracts/itemlist.htm">https://www.odot.org/contracts/itemlist.htm</a> )		
090.011.017			If an at-grade Railroad crossing is included in the project, is NON-BIDDABLE (SP) FLAGGING pay item and note used with the correct number of flagger days?		
090.011.018			If signals are included in the project, do the traffic signal quantities match summary tables?		
090.011.019			If signals and/or lighting are included in the project, is the Service Pole Pay Item included? Is the power company contact information note included with the pay item?		
090.011.020			If signals are included in the project, are all necessary Push Button Pedestrian Pay Items included? Is a note provided that Accessible Pedestrian signals (APS) are required?		
090.011.021			When video, radar, or other detection and controllers are included, is the corresponding note detailing specific instructions included?		



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Checklist Identifier	Designer Selection	Designer Comments	Summary of Pay Items and Notes - Traffic	Reviewer Selection	Reviewer Comments
090.011.022			If existing signal and/or lighting equipment is being removed, is there a note indicating what to do with the existing equipment?		
090.011.023			Has the maintenance agreement been signed and finalized? Check with Traffic Division.		
090.011.024			If raised pavement markers (RPMs) are included with striping, is there a note tied to the pay item specifying that they are to be installed between the end of March to the end of September?		

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Checklist Identifier	Designer Selection	Designer Comments	Summary of Pay Items and Notes - Miscellaneous	Reviewer Selection	Reviewer Comments
090.012.001			Are summary column totals correct?		
090.012.002			Is stationing in all summaries consistent with all applicable sheets?		
090.012.003			Are station extents correct? (no gaps or overlaps)		
090.012.004			Are right and left designations correct?		
090.012.005			Are pay items shown exactly as found in the current pay quantity database including units and codes? ( <a href="https://www.odot.org/contracts/itemlist.htm">https://www.odot.org/contracts/itemlist.htm</a> )		
090.012.006			Do lump sum (LSUM) pay items have a quantity of one (1.00)?		
090.012.007			Are pay items listed in order by item number?		
090.012.008			Do summary totals match those listed in the pay quantity table?		
090.012.009			Do pay items categories on the plans match pay item categories in AWP? (100-Roadway; 200-Bridge; 300-Traffic, 600-Staking; 640-Construction; etc.)		
090.012.010			If there are multiple categories, do they have a unique number? (200-Bridge A, 201-Bridge B, 202-Bridge C, etc.)		
090.012.011			Are any referenced standards written correctly? ( <a href="https://oklahoma.gov/odot/business-center/construction/construction-engineering.html">https://oklahoma.gov/odot/business-center/construction/construction-engineering.html</a> )		
090.012.012			Are pay quantity notes and general construction notes for current specifications used and are notes tied to the correct pay items?		
090.012.013			Are special provisions required, and if so, do they match the current list shown on Office Engineer website? ( <a href="https://www.odot.org/c_manuals/specprov2019/oe_sp_2019-list.pdf">https://www.odot.org/c_manuals/specprov2019/oe_sp_2019-list.pdf</a> )		
090.012.014			If there are Non-Participating items, are there notes to clarify who is paying for those items and are they in the 900 category?		
090.012.015			Review the Pay Item List and Compare to the Plan & Profile sheets to confirm all pay items are accounted for. ( <a href="https://www.odot.org/contracts/itemlist.htm">https://www.odot.org/contracts/itemlist.htm</a> )		

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Checklist Identifier	Designer Selection	Designer Comments	Bridge - General Plan	Reviewer Selection	Reviewer Comments
090.013.001			Were any updates made to General Plan Sheets from the 60% review? If so, go back and evaluate 60% review checklist.		

Checklist Identifier	Designer Selection	Designer Comments	Bridge - Elevation	Reviewer Selection	Reviewer Comments
090.014.001			Were any updates made to General Plan Sheets from the 60% review? If so, go back and evaluate 60% review checklist.		
090.014.002			Do removal quantities in Elevation Sheets match Removal column totals in the summaries?		

Checklist Identifier	Designer Selection	Designer Comments	Bridge - Data and Index	Reviewer Selection	Reviewer Comments
090.015.001			Were any updates made to Bridge items from General Plan and Elevation sheets from the 60% review? If so, go back and evaluate 60% review checklist.		
090.015.002			Do sheet numbers match requirements for ProjectWise submittals?		
090.015.003			Are sheet numbers sequential and not repeated?		
090.015.004			Do sheet names on index match the sheet names on the sheets?		

Checklist Identifier	Designer Selection	Designer Comments	Bridge - Aesthetics	Reviewer Selection	Reviewer Comments
090.016.001			Are aesthetic design details required for this project?		
090.016.002			Have aesthetic specifications or details been provided by the artist or stakeholder?		
090.016.003			Are aesthetic details and/or provisions sheets provided?		
090.016.004			Do provided aesthetic details and/or provisions meet current design standards?		

Checklist Identifier	Designer Selection	Designer Comments	Environmental	Reviewer Selection	Reviewer Comments
090.017.001			Is the 404 Permit Compliance Sheet included in the plans? (Should be included even if no permit is required)		

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Checklist Identifier	Designer Selection	Designer Comments	Intelligent Transportation Systems	Reviewer Selection	Reviewer Comments
090.018.001			Is the project considered a "Significant Project" based on the ODOT Work Zone Safety and Mobility Program Policy. Is a Smart Work Zone needed?		
090.018.002			What ITS infrastructure is currently available (DMS structure, camera pole, cabinets, electrical source and line, fiber optics line)?		
090.018.003			What ITS infrastructure is needed (DMS structure, camera pole, cabinets, electrical source and line, fiber optics line)?		
090.018.004			Where will Dynamic Message Signs be located and how will they be powered?		
090.018.005			Are state-owned fiber lines correctly identified?		
090.018.006			Do preliminary ITS locations work within the proposed ROW and Utility footprint?		

Checklist Identifier	Designer Selection	Designer Comments	Roadway - Geometric Layouts	Reviewer Selection	Reviewer Comments
090.019.001			Are Geometric Layout Sheets included and numbered correctly?		

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Checklist Identifier	Designer Selection	Designer Comments	Roadway - Plan and Profile	Reviewer Selection	Reviewer Comments
090.020.001			Are the Plan and Profile Sheets included and numbered correctly?		
090.020.002			Were any updates made to Plan and Profile Sheets from the 60% review? If so, go back and evaluate 60% review checklist.		
090.020.003			Are structures and structure notes consistent between the Plan and Profile and Summaries?		
090.020.004			Are sawing cutting locations accounted for and clearly labeled?		
090.020.005			Do removal quantities in Plan and Profile Sheets match Removal column totals in the summaries?		
090.020.006			Is detour/shoo-fly information consistent with Summaries?		
090.020.007			Is guardrail included and are lengths correct? Are end treatments used placed appropriately?		
090.020.008			Are barricades/guardrail shown and labeled? Use length of need calculation from Roadside Design Guide. (P. 5-49)		

Checklist Identifier	Designer Selection	Designer Comments	Roadway - Sequence of Construction	Reviewer Selection	Reviewer Comments
090.021.001			Are the Sequence of Construction Sheets included and numbered correctly?		
090.021.002			Were any updates made to Sequence of Construction Sheets from the 60% review? If so, go back and evaluate 60% review checklist.		
090.021.003			Is each phase shown with a different hatch and does that hatch match the cross sections?		

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Checklist Identifier	Designer Selection	Designer Comments	Roadway - Stormwater Management Plan	Reviewer Selection	Reviewer Comments
090.022.001			Is a Stormwater Permit needed? If project area disturbs more than 1.0 acres, a Stormwater Management Plan must be included. Use provided ODEQ NOI form to determine disturbed area. If ODEQ NOI form not included, use approximate area by caluating right of way fence to right of way fence for project length.		
090.022.002			Using the ODOT website, is the most current version of the Stormwater Management Plan used? ( <a href="https://oklahoma.gov/content/dam/ok/en/odot/programs-and-projects/projects/environmental/Storm%20Water%20Management%20Plan_August%202022-Default.pdf">https://oklahoma.gov/content/dam/ok/en/odot/programs-and-projects/projects/environmental/Storm%20Water%20Management%20Plan_August%202022-Default.pdf</a> )		
090.022.003			Is "SITE DESCRIPTION" information complete and is "NAME OF RECEIVING WATERS" listed?		
090.022.004			Using 2019 Roadway Design Standard Drawings R1-R14, are applicable erosion and sediment control practices selected? ( <a href="https://www.odot.org/roadway/roadway2019/IndexStandards2019.htm">https://www.odot.org/roadway/roadway2019/IndexStandards2019.htm</a> )		
090.022.005			Are items checked under "SOIL STABILIZATION PRACTICES" reflected in the Pay Items Summary?		
090.022.006			Are items checked under "STRUCTURAL PRACTICES" reflected in the Pay Items Summary?		
090.022.007			Are items checked under "OFFSITE VEHICLE TRACKING" reflected in the Pay Items Summary?		

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Checklist Identifier	Designer Selection	Designer Comments	Roadway - Erosion Control	Reviewer Selection	Reviewer Comments
090.023.001			Using the Best Management Practices (BMP) for Erosion Control shown in the Roadway Design Standard Drawings (R1-R14), are the appropriate BMPs included? ( <a href="https://www.odot.org/roadway/roadway2019/IndexStandards2019.htm">https://www.odot.org/roadway/roadway2019/IndexStandards2019.htm</a> )		
090.023.002			Does erosion control match the construction sequence and phasing?		
090.023.003			Are existing buildings and houses shown without notes?		
090.023.004			Are existing and new drives shown without notes?		
090.023.005			Is existing fence and present right-of-way shown?		
090.023.006			Is proposed right-of-way shown without stationing?		
090.023.007			Are alignments shown and labeled along with stations?		
090.023.008			Are existing and proposed structures shown?		
090.023.009			Is the top of cut/toe of slope lines shown and labeled?		
090.023.010			Are drainage areas noted on the Erosion Control Sheets and shown in a table for sediment basin determination?		
090.023.011			Are drainage arrows showing the direction of water flow shown from survey?		
090.023.012			Are sheet scale and north arrow shown?		
090.023.013			Is the erosion control legend shown with devices used on plans?		
090.023.014			Are summaries of erosion control and sediment controls completed and do they match the plans?		
090.023.015			Is the disturbed area and Best Management Practices device summary shown?		

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Checklist Identifier	Designer Selection	Designer Comments	Roadway - Joint Layouts (PC projects only)	Reviewer Selection	Reviewer Comments
090.024.001			Is legend shown and does it match the scale and symbology of the sheet?		
090.024.002			Are sheet scale and north arrow shown?		
090.024.003			Are roadway dimensions shown		
090.024.004			Are all roadways labeled?		
090.024.005			Are matchlines shown and do they match other sheets?		
090.024.006			Are the joint spacing dimensions shown?		
090.024.007			Are any transitions shown and labeled? Are tapers and dimensions shown?		

Checklist Identifier	Designer Selection	Designer Comments	Roadway - Drainage Structure Design Record & Drainage Area Map	Reviewer Selection	Reviewer Comments
090.025.001			Have ponds been checked for being encompassed by proposed right-of-way or easement or drained?		
090.025.002			Using the <a href="#">FEMA flood map</a> , Is there any impact to FEMA special flood hazard area and/or regulatory floodway?. To convert GPS coordinates to longitude latitude coordinates, the following website can be used " <a href="#">Coordinate Converter</a> ", and remember to make longitude a negative number.		
090.025.003			Is receiving waters shown on the drainage area map?		
090.025.004			Are the drainage areas shown on the drainage area map?		
090.025.005			Are the structures listed in the drainage structure design record shown on the drainage map?		
090.025.006			Are all values in the summaries in the correct column?		
090.025.007			Are structures listed in the drainage structure design record cross referenced with the Plan and Profiles and Cross Sections?		



Note: If the Selection response is No or N/A for a Checklist Identifier Line Item, then please provide an explanation as to why the selection is No or N/A in the respective line item comment section.

Checklist Identifier	Designer Selection	Designer Comments	Roadway - Mass Diagrams	Reviewer Selection	Reviewer Comments
090.026.001			Does the Mass Diagram follow the sequence of construction and hatching shown in the cross sections?		
090.026.002			Is stationing consistent with any applicable sheets?		
090.026.003			Is sheet estimate stationing in summary consistent with phase construction information?		
090.026.004			Are stations, labeling and earthwork totals on diagram consistent with summary?		
090.026.005			Are row and column totals correct?		
090.026.006			Is a compaction factor included (standard compaction factor is 1.15)?		
090.026.007			Is the listed scale correct?		
090.026.008			Do the sheet estimate arrows align with beginning or ending sheet estimate stationing?		
090.026.009			Are balance points labeled? Does earthwork used for balancing come from a later phase of construction?		
090.026.010			Are bridge and/or other earthwork exceptions labeled?		
090.026.011			Are equations labeled?		
090.026.012			Is "MASS DIAGRAM PROVIDED FOR BIDDING PURPOSES" note shown?		
090.026.013			Do cut and fill volume totals from the mass diagram equal totals from summary?		

Checklist Identifier	Designer Selection	Designer Comments	Railroad	Reviewer Selection	Reviewer Comments
090.027.001			Are approved Railroad Detail Sheets included and numbered correctly?		

Checklist Identifier	Designer Selection	Designer Comments	Survey	Reviewer Selection	Reviewer Comments
090.028.001			Are the Survey Sheets included and numbered correctly?		

Note: If the Selection response is No or N/A for a Checklist Identifier Line Item, then please provide an explanation as to why the selection is No or N/A in the respective line item comment section.

Checklist Identifier	Designer Selection	Designer Comments	Traffic - Traffic Control Plans	Reviewer Selection	Reviewer Comments
090.029.001			Does advanced signing shown match MUTCD or new Traffic Standards?		
090.029.002			Are traffic control sheets consistent with the sequence of construction?		
090.029.003			Does the detour route/shoo-fly shown match all applicable sheets?		
090.029.004			Does the traffic control plan reflect the extents of the projects ( <i>vertical curvature, horizontal curvature, length of work zones, etc.</i> )?		
090.029.005			Is temporary striping or tabs shown?		
090.029.006			Are sheet scale and north arrow shown?		
090.029.007			Are all roadways labeled?		
090.029.008			Are matchlines shown and do they match other sheets? Are the sheet numbers provided at the matchline if they sheets aren't consecutive?		
090.029.009			Are drums or channelizers shown with spacing labeled? Is their symbol provided in the legend? (FYI Drums are used for tapers and cones or vertical panels are used for tangents)		
090.029.010			Are impact attenuators shown? Is their symbol provided in the legend?		
090.029.011			Are traffic directional arrows shown? (Shown before and after any change in traffic control/closure/shift, in both directions)		
090.029.012			Are vertical panels shown if needed? (FYI Used with unsurfaced edge/grass median and placed in the ground or along the temporary travelway edge)		
090.029.013			Is precast median barrier/portable longitudinal barrier wall shown?		
090.029.014			If the portable longitudinal barrier wall is flared outside the clearzone (no impact attenuator is needed), is the taper shown?		
090.029.015			If the traffic control crosses a Railroad, does the traffic control meet MUTCD standards (Chapters 4, 5, and 8) at the crossing?		
090.029.016			If temporary traffic signals are used for one-lane flow, are the following included: - travel speed - length of one-lane section - red clearance time (length)		
090.029.017			If temporary traffic signals are used for an intersection, are the following included for each phase of construction: - plan view showing signal supports (span wire, poles, guy wires, temporary signal arms) - label signal ID, phases & overlaps, and detection (if applicable) - signal type table - ring & barrier diagram - overlap definitions and - coordination schemes (if applicable)		

Note: If the Selection response is No or N/A for a Checklist Identifier Line Item, then please provide an explanation as to why the selection is No or N/A in the respective line item comment section.

Checklist Identifier	Designer Selection	Designer Comments	Traffic - Signing and Striping Plans	Reviewer Selection	Reviewer Comments
090.030.001			Are street and/or highway names shown?		
090.030.002			Are sheet scale and north arrow shown?		
090.030.003			Is striping width, color and material labeled?		
090.030.004			Is there a sign summary? Does the summary include the following: <ul style="list-style-type: none"> <li>- signs numbered and stations</li> <li>- sign description &amp; designation (e.g. Stop Sign R1-1)</li> <li>- sign material (i.e., sheet aluminum, extruded panel or overhead ext. panel),</li> <li>- sign post(s) type with length and spacing (if applicable),</li> <li>- footing type with concrete and reinforcing steel and</li> <li>- sign removal or remove and reset?</li> </ul>		
090.030.005			Are the sign type and locations shown and labeled on the plan sheets? Do they match the sign summary table, station, LT or RT, etc.?		
090.030.006			Is the appropriate sign posted used? If (2) square tube posts are used without a slip base, are they less than or equal to 2" in size (per <a href="#">ODOT Traffic STD SSP1-1-02</a> )		
090.030.007			Are striped turn arrows or text shown?		
090.030.008			Are route assembly details shown?		
090.030.009			Are any special sign details shown? Are the special sign details consistent with what is in the MUTCD and Standard Highway Signs Manual?		
090.030.010			Are the overhead sign types and locations shown and labeled?		
090.030.012			For overhead signs, is the total square footage less than the allowable?		
090.030.013			Is the overhead sign elevations view shown? Are footing elevations provided for monotube structures? Is the approximate distance from the monotube upright to the first sign shown? Are overhead signs over the correct lane(s), as applicable?		
090.030.014			If ramps are included, is the Wrong Way detail followed?		
090.030.015			Any "Do Not Impede" signs should be removed if still existing. The R4-3 signs "SLOWER TRAFFIC KEEP RIGHT" should be located at their current location on the outside shoulder regardless of urban or rural interstate. For the rural interstates (south of Purcell, east of Shawnee, north of Guthrie, west of El Reno) use a R4-16 sign, "KEEP RIGHT EXCEPT TO PASS" on the inside shoulder across from the R4-3 sign. Along the urban interstate, a R4-3 sign may be used on the inside shoulder but it is not required, verify with the district.		

Note: If the Selection response is No or N/A for a Checklist Identifier Line Item, then please provide an explanation as to why the selection is No or N/A in the respective line item comment section.

Checklist Identifier	Designer Selection	Designer Comments	Traffic - Signal Plans	Reviewer Selection	Reviewer Comments
090.031.001			Is a signal plan included for each intersection that requires a new signal or modifications to an existing signal? Is the alignment with stationing shown? Are existing and proposed ROW lines shown?		
090.031.002			Are all summary tables (Signal Heads, Mast Arm & Poles, Electrical Cable, and Mast Arm Mounted Signs) included for each signalized intersection? Do the mast arm lengths match what's in the table, does the foundation size		
090.031.003			On each Signal Plan sheet, are the following shown/labeled: - Controller 'A', - Poles (typ. 'B, C, D', etc.) - Signal heads (typ. '1, 2, 3', etc. Signal heads usually start with Pole B and go clockwise around the intersection) and - Signal head spacing between each signal and from the pole upright?		
090.031.004			On the signal plan: are street and highway names labeled and is the posted speed for each labeled? Is there a north arrow and scale shown? Are the existing utilities shown and the controller and pole locations do not conflict? Are the conduits and their size and type shown?		
090.031.005			Are the phases and overlaps labeled for each movement/signal head? Are the detection areas labeled? Is the type of detection labeled?		
090.031.006			Is the Phasing Diagram and Sequence Chart or Ring and Barrier Diagram included for each signalized intersection?		
090.031.007			Is the Pedestrian Phasing included in the Phasing Diagram?		
090.031.008			Are the push buttons within a distance of the wheel chair ramp that is ADA compliant? (See figure 4I-2 on pg. 721 of latest MUTCD)		
090.031.009			Is the Signal Wiring Diagram or Cable Termination Chart included for each signalized intersection?		
090.031.010			Is the conductor size appropriate for the signal head? (Signal heads with 2 - 3 sections/lights require 5C wire, 4 - 5 sections/lights require 7C wire.)		
090.031.011			Is there a special sign detail for the street name signs? Does it follow the MUTCD & Standard Highway Sign manual? Is there a summary table showing the mast arm mounted signs with Pole, Sign Designation, Sign Square Footage (SF) and totals mast arm mounted sign SF shown?		

Note: If the Selection response is No or N/A for a Checklist Identifier Line Item, then please provide an explanation as to why the selection is No or N/A in the respective line item comment section.

Checklist Identifier	Designer Selection	Designer Comments	Traffic - Lighting Plans	Reviewer Selection	Reviewer Comments
090.032.001			Is a Lighting Pole Schedule Summary table shown? Does it provide the following: - sheet number, - station, - light pole number, - foundation type, - breakaway base, - pole mounting height, - mast arm length, - conduit and quantity of wire (inside pole) - luminaire type and - lightning arrestor?		
090.032.002			On the lighting plans, are the following shown: - light poles and number - conduits and circuits, - pull boxes and - service pole(s) location(s)?		
090.032.003			Are roadways labeled? Is there a north arrow and scale shown? Are the existing utilities shown and the pole locations do not conflict?		
090.032.004			Are the poles and conduits to be removed shown on the lighting plans or demolish/removal sheets?		
090.032.005			Is there a service pole table available? Does it provide the following: - circuits, - metered or not metered, - electrical phasing (typically 3), - conduit and quantity of wire (from service pole to light poles) - amperage for each circuit and - voltage drop %?		

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Checklist Identifier	Designer Selection	Designer Comments	Cross Sections	Reviewer Selection	Reviewer Comments
090.033.001			Are the Cross Section Sheets included and numbered correctly?		
090.033.002			Are the earthwork hatching and quantities shown per phase?		
090.033.003			Were any updates made to Cross Section Sheets from the 60% review? If so, go back and evaluate 60% review checklist.		