



Final Design Checklist Project Management

Project Name: _____

Project No.: _____

Designer: _____

Project Manager: _____

Submittal Date: _____

	Reviewer		
	Quality Assurance		
GENERAL:	N/A	Yes	No
Design and construction references have been checked, are appropriate and specifically identified by date and/or edition number.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Issues raised and errors found in the review processes (30%, 60%, 95%, 100%) are reconciled and/or corrected in the final documents. Consensus has been reached. Comment Resolution sheets have final dispositions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drainage report has been completed and reviewed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bridge Selection Report has been completed and reviewed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The spatial datum (benchmark) has been identified, properly referenced and located in the field, and adjacent existing improvements are referenced to the same datum.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geotechnical Report and Pavement design has been reviewed and approved.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Certification that the plans have been reviewed for constructability (reviewed by the Construction Manager who will be responsible for the oversight of the construction).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cost Estimate is current and accurate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The IGA, if any, has been fully executed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ADOT/FHWA obligation letter approving the use of federal funds has been completed and on file. (Federally funded projects only).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Possible need for updated public notice or involvement has been evaluated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Design to Construction hand-off meeting completed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PS&E quality has been verified. Plan assembly (PS&E) has been reviewed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plans have been checked by design team in the field within the previous 60 calendar days prior to issue for bid signatures and any resulting issues have been resolved.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plan-in-hand review in the field by the design team.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Specifications are not in conflict with the plans. In those instances where plans need to contain specifications for clarification of the design, IGA, construction, phasing, etc...the project manager will verify the reference is identified with the specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Bridge Plan & Elevation Sheets

Project Name: _____

Project No.: _____

Designer: _____

Project Manager: _____

Submittal Date: _____

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GENERAL INFORMATION:	N/A	Yes	No
Use standard MCDOT plan and profile border	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Compile plan and elevation on the same sheet (exceptions may be granted by MCDOT)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Follow MCDOT CADD and Drafting Guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EXISTING PLAN REFERENCES:	N/A	Yes	No
Show existing control information such as section lines, corners, monuments and benchmarks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing right-of-way and easements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing parcel boundaries and ownership	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing features pertaining to pavement, drainage and vegetative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing roadway features such as pavement, driveways, guardrail, signs and signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing drainage features such as riprap, streams, pipes, culverts and structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing houses and improvements features such as mailboxes, decks, patios, fences, walls and gazebos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing utility features such as poles, lines, utility boxes and structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing contours (at 1' interval) (exceptions may be granted by MCDOT)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPOSED PLAN DETAILS:	N/A	Yes	No
Show proposed alignments such as mainline and crossroads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show important points such as POB, PC, PI, PT, POE, and station equations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show proposed right-of-way and easements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show proposed design features pertaining to bridge design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show proposed roadway design features such as pavement, driveways, guardrail and cut/fill limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show proposed drainage design features such as riprap, pipes, culverts, ditches and structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAN ANNOTATION AND DIMENSIONING:	N/A	Yes	No
Annotate proposed alignments such as mainline and crossroads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annotate important points such as POB, PC, PI, PT and POE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Bridge Plan & Elevation Sheets

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Provide taper rates, begin and end project callouts, tangent length, bearings and station equations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show curve data (PI, Δ, D, T, L and R)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dimension bridge, pavement and right-of-way widths	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annotate existing and proposed features such as pavement, drainage, driveways, medians and barriers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide match lines with matching station and sheet number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Include North arrow and scale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ELEVATION DETAILS:	N/A	Yes	No
Show existing ground along the roadway centerline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show proposed bridge superstructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show proposed bridge substructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ELEVATION ANNOTATION AND DIMENSIONING:	N/A	Yes	No
Annotate existing ground and proposed deck elevation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show station and elevation at key points, such as begin bridge, pier center line, and end bridge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show wingwalls or other similar features	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Denote joint types	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES:	N/A	Yes	No
Note design flow and water surface elevations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Note bridge length	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Note skew	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist AASHTO Girder Bridge Sheets

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GENERAL INFORMATION:	N/A	Yes	No
Use standard MCDOT plan and profile border	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Follow MCDOT CADD and Drafting Guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AASHTO GIRDER BRIDGE CONSTRUCTION DOCUMENTS:	N/A	Yes	No
Key Map and Index of Drawings: Show key map and provide index of drawings. Indicate within the index of sheets any drawings/sheets that are not included in the submittal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General Plan and Elevation: Include contours, existing and proposed utilities, alignments, proposed substructure, existing conditions, North arrow, and scale in plan view. Include bearings and annotation for proposed bents, begin and end of bridge, bridge dimensions, bridge alignment, and existing conditions in plan view. Plan and elevation scale to be the same. Provide annotation and dimensions for bridge spans, begin and end bridge, existing conditions, proposed bents, bridge length, bearing distances, and match lines if necessary in elevation view. A profile grade detail may also be included in the plan and elevation sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Typical Sections: These sheets detail typical sections from a designated bridge span. The sections include annotation and dimensions of clear roadway, out of bridge, lane configuration, and roadway slope. Sections will include superstructure and substructure (i.e. barriers, deck, girders, piers, columns, drilled shafts, etc.). Annotation must specify type of material and size of individual structures in the typical sections. Must provide control points (alignment locations, etc.) within the typical sections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General Notes and Quantities: Provide general notes that includes but not limited to a general description of construction and design specifications, loads, stresses, and materials. Provide list or table of quantities. Provide a legend, abbreviations, and any standards applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Payment Limits: This sheet should provide and include sections of individual structures (typical wing wall, abutments, retaining walls, etc.) that includes limits of structural backfill, structural excavation, and roadway embankment if necessary. Provide notes for any clarification of pay limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction Phasing (if needed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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<p>Foundation Layout: This sheet includes a plan view of the construction area showing the proposed foundations, proposed and existing alignments, and existing utilities. Dimensions between foundations should be visible as well as descriptions of each type of foundation. Abutments or structures with multiple foundations shall have dimensions associating to the bridge alignment. Bearings of each foundation construction line shall be present. Provide drilled shaft elevation information if necessary</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Foundation Details: Included in this sheet is an elevation view and typical section of the proposed foundation type. The elevation view should include dimensions and annotation for foundation reinforcement. Each foundation type should be accounted for on this sheet. Typical sections should show reinforcement. General notes and foundation load data should be accounted for on this sheet as well</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Abutment 1 Plan and Elevation: Included on this sheet is a plan view and elevation view of abutment #1. In plan view, dimensions shall be provided for girder spacing, total length of abutment, distance from alignment to outside edge of abutment, bearing pad spacing, width dimensions associated with the centerline bearing of abutment #1. Section callouts shall be provided to reference abutment #1 section and detail sheet. In the elevation view, the construction centerline, abutment step elevations, total abutment length, foundation spacing, and notes should be annotated and/or shown as dimensions. The scale of the plan view should match the elevation view</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Abutment 2 Plan and Elevation: Included on this sheet is a plan view and elevation view of abutment #2. In plan view, dimensions shall be provided for girder spacing, total length of abutment, distance from alignment to outside edge of abutment, bearing pad spacing, width dimensions associated with the centerline bearing of abutment #2. Section callouts shall be provided to reference abutment #2 section and detail sheet. In the elevation view, the construction centerline, abutment step elevations, total abutment length, foundation spacing, and notes should be annotated and/or shown as dimensions. The scale of the plan view should match the elevation view</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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<p>Abutment 1 and Wing walls Details: This sheet provides typical sections referencing back to Abutment #1 plan and elevation sheet. The abutment typical section should show reinforcement, proposed grade, bearing centerline of abutment, dimension for height and width, and annotation for foundation(s) and reinforcement. Wing wall sections provided on this sheet show reinforcement, dimensions of wing walls and abutment, and bearing centerline of abutment. An elevation view of the wing wall showing reinforcement is also provided</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Abutment 2 and Wing walls Details (if different from Abutment 1): This sheet provides typical sections referencing back to Abutment #2 plan and elevation sheet. The abutment typical section should show reinforcement, proposed grade, bearing centerline of abutment, dimension for height and width, and annotation for foundation(s) and reinforcement. Wing wall sections provided on this sheet show reinforcement, dimensions of wing walls and abutment, and bearing centerline of abutment. An elevation view of the wing wall showing reinforcement is also provided</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Pier/s Plan and Elevation sheet/s: Provided on these sheets are plan and elevation views for each Pier. Each pier plan should include the following dimensions and respective annotation: bearing pad and girder spacing, foundation (drilled shaft) and column spacing, width and length of pier. The bridge alignment and bearing centerline of the pier is also needed. Each pier elevation should include the following annotations and/or dimensions: type of foundation, size of column, bridge alignment location, reference callouts for seat elevations, bottom of pier cap elevations, centerline of column, and section callouts. A bearing seat elevations table or list shall be provided on these sheets as well</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Pier Details: Elevation and section views are provided to detail Pier reinforcement. Provide reinforcement callouts for pier elevation view and related section views. Provide detail for reinforcement for stepped pier if necessary. General notes are provided to describe reinforcement in further detail. A shear key detail is provided, if necessary, as well</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Girder Layout Sheet/s: A plan view is provided showing bridge spans, bridge piers and abutments, and girder placement. Annotation and/or dimensions are provided for girder spacing, centerline of piers and abutments, bridge centerline stationing, edge of deck, and girder lengths	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Typical Deck Section: A section is provided for a specific span of the bridge. Reinforcement within the deck is shown. Barriers and girders are also included in the section. Dimensions and/or annotation is provided for reinforcement, barrier type, girder spacing, overhang length, girder type, the slope of deck, and girder length. Superstructure general notes are also provided for descriptions of deck reinforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deck Layout Sheet/s (including Pouring Sequence): A plan view showing the proposed bridge alignment, proposed bridge line work, approach slab and anchor slab is provided. If necessary, dimensions are provided for additional reinforcement bundles along bridge alignment stationing. Construction centerline of piers and abutments are also visible in the deck plan. A deck pour schedule is also provided in which a plan view of the bridge is shown with callouts and hatching. General notes are also provided to describe the deck pour. A detail showing additional top deck reinforcement at pier locations may also be provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AASHTO Girder Details: A girder elevation, typical section, reinforcing strand data, and girder notes are provided. The girder elevation provides dimensions and/or annotation for reinforcement as well as dimensions of the girder itself. The girder typical section shows reinforcement along with respective callouts and dimensions for the girder are provided. Sections that show strand reinforcement at the ends of the girders and at midspan of the girders are shown. Extended strand details and elevations may also be provided if necessary. Girder insert location details, formed hole location details/sections at intermediate diaphragms and girder ends are also provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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<p>Abutment Diaphragm Sheet: An elevation view and section of the abutment diaphragm is shown. Reinforcement is shown. The bridge deck, barriers, and girders accompany the bridge abutment in the elevation view. Dimensions and annotation is shown for the reinforcement, girder spacing within the elevation. The deck, girders, and abutment is shown in the section view. Reinforcement is also shown in the section view accompanied by annotation</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Intermediate Diaphragm Sheet: An elevation view is provided showing the girder along with the deck and barrier. Reinforcement is shown. Centerline of girders, spacing of reinforcement, and a section callout is provided as well. The section referencing back to the elevation is shown with reinforcement. The intermediate diaphragm reinforcing, width, along with any notes are shown</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Pier Diaphragm Sheet: An elevation view and section view at pier locations is provided. Reinforcement is shown in both the elevation view and section view. Dimensions and/or annotation shall be provided for girders, the deck, reinforcement, diaphragm length, girder spacing, pier cap width, and shear keys. Elevation views consists of girders, the deck, barriers, top of pier cap and diaphragm reinforcement</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Miscellaneous Details (Bearing Pads, Restrainers, Utilities, Parapet and Fence Details, etc.): Restrainer details consists of a fixed restrainer elevation view with applicable callouts and dimensions and an elevation view and section of expansion restrainers, also annotated and dimensioned. Annotations and dimensions are also provided for restrainer top plate and bottom plate details. Restrainer notes are provided as well. Bearing pad details include the following: plan view and section of bearing pads. Dimensions and/or annotation accompany all details, plan views, elevation views, and sections. Bearing pad general notes are also included</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Camber and Screed Elevation Sheet/s: Screed elevation schedules (blank) are provided per span in the bridge screed elevation schedule. Deck sections per span are also provided. Screed elevations are not given or required for scoping plans</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Approach Slab Elevations: Per ADOT standards</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Foundation Data Sheet/s: Plan view of boring locations and boring logs required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ADOT Standard Details: These include, but not limited to, concrete barrier details, approach slab details, anchor slab details, and deck joint assembly details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Post Tension Bridge Sheets

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GENERAL INFORMATION:	N/A	Yes	No
Use standard MCDOT plan and profile border	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Follow MCDOT CADD and Drafting Guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
POST TENSION BOX BEAM BRIDGE CONSTRUCTION DOCUMENTS:	N/A	Yes	No
Key Map and Index of Drawings: Show key map and provide index of drawings. Indicate within the index of sheets any drawings/sheets that are not included in the submittal. Key map should contain proposed conditions and existing conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General Plan and Elevation: Include contours, existing and proposed utilities, alignments, proposed substructure, existing conditions, North arrow, scale, and lane configurations, if necessary, in plan view. Include any curve data associated with on/off ramps and bridge alignments, annotation for begin and end of bridge, bridge dimensions, and existing conditions in plan view. Plan and elevation scale to be the same. Provide annotation and dimensions for bridge spans, begin and end bridge, existing conditions, proposed bents, bridge length, bearing distances, and match lines if necessary in elevation view. A profile grade detail may also be included in the plan and elevation sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Typical Sections: Proposed bridge superstructure and substructure are shown along with proposed grade. The sections include annotation and dimensions of clear roadway, out to out of bridge, lane configuration, and roadway slope. Sections will include superstructure and substructure (i.e. barriers, deck, utility locations, piers, columns, footings, etc.) without reinforcement. Annotation must specify type of material and size of individual structures in the typical sections. Must provide control points (alignment locations, PGL, etc.) within the typical sections. General notes are included for further descriptions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General Notes and Quantities: Provide general notes that includes but not limited to a general description of construction and design specifications, loads, stresses, materials, and standards. Provide list or table of quantities. Provide a legend, abbreviations, and any standards applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Payment Limits: This sheet should provide and include sections of individual structures (typical wing wall, abutments, retaining walls, piers, etc...) that includes limits of structural backfill, structural excavation, engineered fill, and roadway embankment in necessary. Provide notes for any clarification of pay limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foundation Layout: This sheet includes a plan view of the construction area showing the proposed foundations, proposed and existing alignments, and existing utilities. Dimensions between foundations should be visible as well as descriptions of each type of foundation. Abutments or structures with multiple foundations shall have dimensions associating to the bridge alignment. Bearings of each foundation construction line shall be present. Provide drilled shaft elevation information if necessary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foundation Details: Included in this sheet is an elevation view and typical section of the proposed foundation type. The elevation view should include dimensions and annotation for foundation reinforcement. Each foundation type should be accounted for on this sheet. Typical sections should show reinforcement. General notes and foundation load data should be accounted for on this sheet as well	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abutment 1 Plan and Elevation: Included on this sheet is a plan view and elevation view of abutment #1. In plan view, dimensions shall be provided for total length of abutment, distance from alignment to outside edge of abutment, bearing pad spacing, and width dimensions associated with the centerline bearing of abutment #1. Section callouts shall be provided to reference abutment #1 section and detail sheet. Any retaining walls acting along the abutment or wing walls shall also be present. In the elevation view, the construction centerline, abutment step elevations (if needed), total abutment length, foundation spacing, and notes should be annotated and/or shown as dimensions. The scale of the plan view should match the elevation view	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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<p>Abutment 2 Plan and Elevation: Included on this sheet is a plan view and elevation view of abutment #2. In plan view, dimensions shall be provided for total length of abutment, distance from alignment to outside edge of abutment, bearing pad spacing, and width dimensions associated with the centerline bearing of abutment #2. Section callouts shall be provided to reference abutment #2 section and detail sheet. Any retaining walls acting along the abutment or wing walls shall also be present. In the elevation view, the construction centerline, abutment step elevations (if needed), total abutment length, foundation spacing, and notes should be annotated and/or shown as dimensions. The scale of the plan view should match the elevation view</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Abutment 1 and Wing walls Details: This sheet provides typical sections referencing back to Abutment #1 plan and elevation sheet. The abutment typical section should show reinforcement, proposed grade, bearing centerline of abutment, dimension for height and width, and annotation for foundation(s) and reinforcement. Wing wall sections provided on this sheet show reinforcement, dimensions of wing walls and abutment, and bearing centerline of abutment. An elevation view of the wing wall showing reinforcement is also provided</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Abutment 2 and Wing walls Details (if different from Abutment 1): This sheet provides typical sections referencing back to Abutment #2 plan and elevation sheet. The abutment typical section should show reinforcement, proposed grade, bearing centerline of abutment, dimension for height and width, and annotation for foundation(s) and reinforcement. Wing wall sections provided on this sheet show reinforcement, dimensions of wing walls and abutment, and bearing centerline of abutment. An elevation view of the wing wall showing reinforcement is also provided</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Pier/s Plan and Elevation sheet/s: Provided on these sheets are plan and elevation views for each Pier. Each pier plan should include the following dimensions and respective annotation: bearing pad and column spacing, foundation (drilled shaft or footing), and width and length of pier. The bridge alignment and bearing centerline of the pier is also needed. Each pier elevation should include the following annotations and/or dimensions: size/type of foundation, size/type of column, bridge alignment location, reference callouts for top of column/pier elevations, foundation elevations, centerline of column, and section callouts. A rustication or finishing detail shall be provided on these sheets as well	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pier Details: Any details describing pier/column finishes shall be included. A pier elevation view with reinforcement to be included and should include the following annotations and/or dimensions: size/type of foundation, size/type of column, bridge alignment location, reference callouts for top of column/pier elevations, foundation elevations, centerline of column, and	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Framing Plan: A plan view of the bridge top slab is shown along with proposed and existing centerline/alignments, centerline of bents and diaphragms. Length, width, girder spacing, diaphragm spacing, and soffit dimensions are provided. Stationing along proposed/existing alignments are given along with bearing of grade lines, etc. A section showing the soffit at pier or desired location should be included with respective dimensions and annotation. A soffit vent hole detail and diaphragm vent hole detail should be included as well. General notes should be provided for more descriptions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Framing Details: Section views and details are provided on this referencing back to the framing plan. Each section contains dimensions and/or annotation for centerlines/alignments, thickness, of structures or slabs, height and width of soffits or structure edges, fillets, barriers, etc. An acute corner fillet detail may be provided. General notes are also provided for further detail	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Post Tension Bridge Sheets

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<p>Top Slab Reinforcement: A plan view of the top slab is provided. Section/detail callouts are included to reference to the detail sheet. Alignments/centerlines of girders, roads, diaphragms, and bents are provided. Sections provided on this sheet show reinforcement mats and/or webs. Any alignments/centerlines provided in these sections are annotated along with every other item in the section/detail</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Bottom Slab Reinforcement: A plan view of the bottom slab is provided. Section callouts or details are included to reference to the detail sheet. Alignments/centerlines of girders, roads, diaphragms, and bents are provided. Sections provided on this sheet show reinforcement mats and/or webs. Any alignments/centerlines provided in these sections are annotated along with every other item in the section/detail</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Superstructure Typical Section: Sections showing the superstructure with reinforcement is provided. Sections should be shown detailing the ends of the superstructure with barriers. Dimensions and/or annotation is included in the sections detailing the reinforcement. A typical section at exterior web may also be shown on this sheet. Superstructure general notes shall be provided as well</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Abutment Diaphragm Sheet: Abutment sections showing the proposed abutment line work and proposed reinforcement to be provided. A partial elevation and partial plan may also be provided for more detail. Each section and detail should include dimensions and/or annotation for the reinforcement. General notes should be provided for further detail</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Pier Diaphragm Sheet: An elevation view of the pier(s) should be provided along with a section. The elevation and section should contain reinforcement and should contain annotation detailing the reinforcement along with any pier(s) centerline/alignments dimensions</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Web and Intermediate Diaphragm Reinforcement: A web stirrup reinforcement detail is provided. Typical stirrup details at the exterior web connection should be provided as well. Typical interior diaphragm and typical girder reinforcement connection details should also be present. Annotation and/or dimensions should accompany the sections and details</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Prestressing Details: A tendon path diagram is provided on this sheet which shows the tendon from the begin to end of bridge. The diagram also contains the center of gravity of tendon approximate parabolic path with dimensions. A camber diagram of the webs is also included in this sheet. A camber schedule should be included with the necessary information. Camber and screed elevation notes should also be included in this sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction Sequence and Concrete Pour Details: A box girder pouring sequence diagram should be provided. Pour notes for webs, pour notes for girders, and general pour notes should be included as well	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Miscellaneous Details (Bearing Pads, Restrainers, Utilities, Parapet and Fence Details, etc.) Parapet and curb details consists of a plan view and details showing the bridge plan with sections and annotation referring to the sections and parapet and/or curb. The sections should include annotation and dimensions for any reinforcing. Fence details may also be included	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Screed Elevation Sheet/s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
False work Elevation Sheet/s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Approach Slab Elevations and Details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foundation Data Sheet/s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ADOT Standard Details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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GENERAL INFORMATION:	N/A	Yes	No
Use standard MCDOT plan and profile border	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Follow MCDOT CADD and Drafting Guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STEEL GIRDER BRIDGE CONSTRUCTION DOCUMENTS:	N/A	Yes	No
Key Map and Index of Drawings: Show key map and provide index of drawings. Indicate within the index of sheets any drawings/sheets that are not included in the submittal. The key map should contain proposed and existing conditions in plan view	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General Plan and Elevation: Include contours, existing and proposed utilities, alignments, proposed structure line work, existing conditions, North arrow, and a scale in plan view. Include bearings and annotation for proposed bents, begin and end of bridge/deck, bridge/deck dimensions, bridge/slab alignment, and existing conditions in plan view. Plan and elevation scale to be the same. Provide annotation and dimensions for bridge/deck, begin and end bridge/deck, existing conditions, proposed bents, bridge/slab length, bearing distances, vertical clearance, and match lines if necessary in elevation view. Profile grade lines should also be included, with annotation, in the Elevation view	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Typical Sections: These sheets detail typical sections from a designated bridge span. The sections include annotation and dimensions of clear roadway, out of bridge, lane configuration, and roadway slope. Sections will include superstructure and substructure (i.e. barriers, deck, girders, piers, columns, drilled shafts, etc.) without reinforcement. Annotation must specify type of material and size of individual structures in the typical sections. Must provide control points (alignment locations, etc.) within the typical sections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General Notes and Quantities: Provide general notes that includes but not limited to a general description of construction and design specifications, loads, stresses, and materials. Provide list or table of quantities. Provide a legend, abbreviations, and any standards applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Payment Limits: This sheet should provide and include sections of individual structures (typical wing wall, abutments, retaining walls, etc.) that includes limits of structural backfill, structural excavation, and roadway embankment in necessary. Provide notes for any clarification of pay limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Construction Phasing (if needed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foundation Layout: This sheet includes a plan view of the construction area showing the proposed foundations, proposed and existing alignments, and existing utilities. Dimensions between foundations should be visible as well as descriptions of each type of foundation. Abutments or structures with multiple foundations shall have dimensions associating to the bridge alignment. Bearings of each foundation construction line shall be present. Provide drilled shaft elevation information if necessary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foundation Details: Included in this sheet is an elevation view and typical section of the proposed foundation type. The elevation view should include dimensions and annotation for foundation reinforcement. Each foundation type should be accounted for on this sheet. Typical sections should show reinforcement. General notes and foundation load data should be accounted for on this sheet as well	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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<p>Abutment 1 Plan and Elevation: Included on this sheet is a plan view and elevation view of abutment #1. In plan view, dimensions shall be provided for girder spacing, total length of abutment, distance from alignment to outside edge of abutment, bearing pad spacing, width dimensions associated with the centerline bearing of abutment #1. Section callouts shall be provided to reference abutment #1 section and detail sheet. In the elevation view, the construction centerline, abutment step elevations, total abutment length, foundation spacing, and notes should be annotated and/or shown as dimensions. The scale of the plan view should match the elevation view</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Abutment 2 Plan and Elevation: Included on this sheet is a plan view and elevation view of abutment #2. In plan view, dimensions shall be provided for girder spacing, total length of abutment, distance from alignment to outside edge of abutment, bearing pad spacing, width dimensions associated with the centerline bearing of abutment #2. Section callouts shall be provided to reference abutment #2 section and detail sheet. In the elevation view, the construction centerline, abutment step elevations, total abutment length, foundation spacing, and notes should be annotated and/or shown as dimensions. The scale of the plan view should match the elevation view</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Abutment 1 and Wing walls Details: This sheet provides typical sections referencing back to Abutment #1 plan and elevation sheet. The abutment typical section should show reinforcement, proposed grade, bearing centerline of abutment, dimension for height and width, and annotation for foundation(s) and reinforcement. Wing wall sections provided on this sheet show reinforcement, dimensions of wing walls and abutment, and bearing centerline of abutment. An elevation view of the wing wall showing reinforcement is also provided</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Abutment 2 and Wing walls Details (if different from Abutment 1): This sheet provides typical sections referencing back to Abutment #2 plan and elevation sheet. The abutment typical section should show reinforcement, proposed grade, bearing centerline of abutment, dimension for height and width, and annotation for foundation(s) and reinforcement. Wing wall sections provided on this sheet show reinforcement, dimensions of wing walls and abutment, and bearing centerline of abutment. An elevation view of the wing wall showing reinforcement is also provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pier/s Plan and Elevation sheet/s: Provided on these sheets are plan and elevation views for each Pier. Each pier plan should include the following dimensions and respective annotation: bearing pad and girder spacing, foundation (drilled shaft) and column spacing, width and length of pier. The bridge alignment and bearing centerline of the pier is also needed. Each pier elevation should include the following annotations and/or dimensions: type of foundation, size of column, bridge alignment location, reference callouts for seat elevations, bottom of pier cap elevations, centerline of column, and section callouts. A bearing seat elevations table or list shall be provided on these sheets as well	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pier Details: Provide plan and section showing reinforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Girder Layout Sheet/s : A plan view is provided showing bridge spans, bridge piers and abutments, and girder placement. Annotation and/or dimensions are provided for girder spacing, centerline of piers and abutments, and bridge centerline stationing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deck Layout Sheet/s (including Pouring Sequence): A plan view showing the proposed bridge alignment, proposed bridge line work, approach slab and anchor slab is provided. If necessary, dimensions are provided for additional reinforcement bundles along bridge alignment stationing. Construction centerline of piers and abutments are also visible in the deck plan. A deck pour schedule is also provided in which a plan view of the bridge is shown with callouts and hatching. General notes are also provided to describe the deck pour. A detail showing additional top deck reinforcement at pier locations may also be provided. Provide construction joint details and barrier open joint at pier as well	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Typical Deck Section: A section is provided for a specific span of the bridge. Reinforcement within the deck is shown. Barriers and girders are also included in the section. Dimensions and/or annotation is provided for reinforcement, barrier type, girder spacing, overhang length, girder type, the slope of deck. Superstructure general notes are also provided for descriptions of deck reinforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Girder Elevation Details A: girder elevation, typical section, additional top and bottom steel plates details, splice plate details, bolts or rivets details, and girder notes are provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Camber Diagram: Provide deflection information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diaphragms Details: Show the size of the steel members, gusset plate details and the connection details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abutment Bearing Details: Provide type of bearing details (expansion or fixed, type of bearing such as elastomeric pads, steel rocker or different kinds)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pier Bearing Details: Provide type of bearing details (expansion or fixed, type of bearing such as elastomeric pads, steel rocker or different kinds)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Miscellaneous Details (Utilities, Parapet and Fence Details, etc.): Update details as necessary. Dimensions and/or annotation accompany all details, plan views, elevation views, and sections. Bearing pad general notes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Screed Elevation Sheet/s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Approach Slab Elevations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foundation Data Sheet/s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ADOT Standard Details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Slab Bridge Sheets

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GENERAL INFORMATION:	N/A	Yes	No
Use standard MCDOT plan and profile border	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Follow MCDOT CADD and Drafting Guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CONCRETE SLAB BRIDGE CONSTRUCTION DOCUMENTS:	N/A	Yes	No
Key Map and Index of Drawings: Show key map and provide index of drawings. Indicate within the index of sheets any drawings/sheets that are not included in the submittal. The key map should contain proposed and existing conditions in plan view	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General Plan and Elevation: Include contours, existing and proposed utilities, alignments, proposed structure line work, existing conditions, North arrow, and a scale in plan view. Include bearings and annotation for proposed bents, begin and end of bridge/slab, bridge/slab dimensions, bridge/slab alignment, and existing conditions in plan view. Plan and elevation scale to be the same. Provide annotation and dimensions for bridge/slab, begin and end bridge/slab, existing conditions, proposed bents, bridge/slab length, bearing distances, vertical clearance, and match lines if necessary in elevation view. Profile grade lines should also be included, with annotation, in the Elevation view	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Typical Sections: This sheet(s) detail typical sections from a designated bridge/slab section. The sections include annotation and dimensions of clear roadway, out to out of bridge/slab, lane configuration, and roadway slope. Sections will include superstructure and substructure (i.e. barriers, deck, piers, columns, drilled shafts, abutments etc.) without reinforcement. Annotation must specify type of material and size of individual structures in the typical sections. Must provide control points (alignment locations, profile grade lines, etc.) within the typical sections. Other items included on this sheet include width of barriers rail, crown or super elevation, and utilities and openings for future utilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General Notes and Quantities: Provide general notes that includes but not limited to a general description of construction and design specifications, loads, stresses, and materials. Provide list or table of quantities. Provide a legend, abbreviations, and any standards applicable to the slab bridge design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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<p>Payment Limits: This sheet should provide and include sections of individual Bent structures, or structures requiring excavation, (typical wing wall, abutments, retaining walls, piers etc...) which includes limits of structural backfill, structural excavation, and roadway embankment if necessary. Provide notes for any clarification of pay limits</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Construction Phasing (if needed)</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Foundation Layout/Plan: This sheet includes a plan view of the construction area showing the proposed foundations, proposed and existing alignments, and existing utilities. Dimensions between foundations should be visible as well as descriptions of each type of foundation. Abutments or structures with multiple foundations shall have dimensions associating to the bridge alignment. Stations and bearings of centerline bents and abutments should be included. Provide drilled shaft elevation information if necessary</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Foundation Details: Included in this sheet is an elevation view and typical section of the proposed foundation type. The elevation view should include dimensions and annotation for foundation reinforcement. Each foundation type should be accounted for on this sheet. Typical sections should show reinforcement. General notes and foundation load data should be accounted for on this sheet as well. Layout information shall not be repeated on detail sheets particularly bearings and stations and curve data</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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<p>Abutment 1 Plan and Elevation: Included on this sheet is a plan view and elevation view of abutment #1. In plan view, dimensions shall be provided for foundation spacing, total length of abutment, distance from alignment to outside edge of abutment, bearing pad spacing, width dimensions associated with the centerline bearing of abutment #1. Section callouts shall be provided to reference abutment #1 section and detail sheet. In the elevation view, the construction centerline, abutment step elevations, total abutment length, foundation spacing, location of weep holes, elevations of slope paving, and notes should be annotated and/or shown as dimensions. The scale of the plan view should match the elevation view. Repeated stations or bearings, from the foundation plan, should not be included. Reinforcement is not provided</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Abutment 2 Plan and Elevation: Included on this sheet is a plan view and elevation view of abutment #2. In plan view, dimensions shall be provided for foundation spacing, total length of abutment, distance from alignment to outside edge of abutment, bearing pad spacing, width dimensions associated with the centerline bearing of abutment #2. Section callouts shall be provided to reference abutment #2 section and detail sheet. In the elevation view, the construction centerline, abutment step elevations, total abutment length, foundation spacing, location of weep holes, elevations of slope paving, and notes should be annotated and/or shown as dimensions. The scale of the plan view should match the elevation view. Repeated stations or bearings, from the foundation plan, should not be included. Reinforcement is not provided</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Abutment 1 and Wing walls Details: This sheet provides typical sections referencing back to Abutment #1 plan and elevation sheet. The abutment typical section should show reinforcement, proposed grade, bearing centerline of abutment, dimension for height and width, and annotation for foundation(s) and reinforcement. Wing wall sections provided on this sheet show reinforcement, dimensions of wing walls and abutment, and bearing centerline of abutment. An elevation view of the wing wall showing reinforcement is also provided</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Abutment 2 and Wing walls Details (if different from Abutment 1): This sheet provides typical sections referencing back to Abutment #2 plan and elevation sheet. The abutment typical section should show reinforcement, proposed grade, bearing centerline of abutment, dimension for height and width, and annotation for foundation(s) and reinforcement. Wing wall sections provided on this sheet show reinforcement, dimensions of wing walls and abutment, and bearing centerline of abutment. An elevation view of the wing wall showing reinforcement is also provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pier(s)/Bent(s) Plan and Elevation sheet(s): Provided on these sheets are plan and elevation views for each Pier/Bent. Each pier/Bent plan should include the following dimensions and respective annotation: bearing pad spacing, foundation (drilled shaft) and column spacing, width and length of pier. The bridge alignment and bearing centerline of the pier is also needed. Each pier elevation should include the following annotations and/or dimensions: type of foundation, size of column, bridge alignment location, reference callouts for seat elevations, bottom of pier cap elevations, centerline of column, and section callouts. A bearing seat elevations table or list shall be provided on these sheets as well	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pier/Bent Details: Dropped bent caps should be fully detailed showing plan, elevation, and section. Reinforcement should be included. The width of stirrups should be indicated for flush caps, and the dropped portion of the bent cap should be terminated 1'-0" from edge of deck. Annotation and/or dimensions should accompany a pier/bent detail. Detail notes may be provided for further pier/bent detail descriptions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slab/Deck Details: A plan view of the top and bottom slab reinforcement should be shown. Annotation and/or dimensions should highlight the length, total number and placement for each main reinforcing bars. Reinforcing overlap lengths, slab dimensions, and alignment/centerlines should also be included in the plan views. Superstructure general notes are also provided for descriptions of deck reinforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Typical Slab Section: A section is provided for a specific span of the bridge/deck. Reinforcement within the deck is shown. Barriers and Bents are also included in the section. Dimensions and/or annotation is provided for reinforcement, barrier type, overhang length, Bent type, the slope of deck, and length. Superstructure general notes are also provided for descriptions of deck reinforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Miscellaneous Details (Bearing Pads, Utilities, Parapet and Fence Details, etc.): Slab hinge details may be included when a hinge is required. Bearing pad details include the following: plan view of bearing pads at pinned piers, part elevations at pinned piers, part elevations at expansion piers, section view at pinned piers, expansion pad details, pinned bearing pad details, and expansion bearing pad details. Dimensions and/or annotation accompany all details, plan views, elevation views, and sections. Bearing pad general notes are also included. Railing/fence details and notes should also be included and may reference the ADOT standard plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Camber and Screed Elevation Sheet/s: Screed elevations are provided in the bridge screed elevation schedule. Deck sections are also provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Approach Slab Elevations and Details: Per ADOT standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foundation Data Sheet/s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ADOT Standard Details: These include, but not limited to, concrete barrier details, approach slab details, anchor slab details, and deck joint assembly details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist ITS

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Designer: _____

Project Manager: _____

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EXISTING PLAN REFERENCES:	N/A	Yes	No
Show existing right-of-way and easements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show city and county limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing roadway features such as pavement and driveways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing traffic markings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing signs, signals, and lighting features	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing utility features such as poles, lines, utility boxes and structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EXISTING PLAN REFERENCES:	N/A	Yes	No
Show proposed alignments and stationing such as mainline and crossroads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show proposed right-of-way and easements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show ITS field equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show pull box locations within right-of-way and with proper spacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing and new conduit alignment with proper bends	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show proposed traffic signal equipment, pavement marking and signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show proposed drainage infrastructure and underground improvements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show the correct quantity of fiber optic cable slack in each service box	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show locating cable in each conduit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Landscape

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GENERAL:	N/A	Yes	No
Sight Triangles shown per the RDM, clearly labeled with dimensions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sight Distance lines shown for all signage, clearly labeled with dimensions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Existing pavement marking and sign symbols SHALL be shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Only ground cover within the Sight Triangles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the general notes included	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
North Arrow, Road Names, Matchlines, Scale, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Every intersection stationing shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tic Marks every 20', no construction/ monument centerline shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stationing every 100'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Existing/ Proposed roadway edges shown (combined)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Existing/ Proposed Right-of-Way shown and called out	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide Plant Legend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Pavement Marking

Project Name: _____
 Designer: _____
 Project Manager: _____
 Reviewer: _____

Project No.: _____
 Submittal Date: _____
 Review Date: _____

	Reviewer		
	Quality Assurance		
GENERAL:	N/A	Yes	No
Edge of pavement called out	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vertical curb and gutter (or role curb) called out	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jurisdictions, City and MCDOT right-of-way identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
New striping matches existing striping a minimum of 500' prior to beginning and end of project limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing monument line and 100' stationing marks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Position the 100' monument line marks stationing numbers up out of the new roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show and name all existing side streets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Place the road name up above the road sections in large and heavy text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Call out existing and new driveways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing utility features such as poles, utility boxes and irrigation structures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dimension all lane widths for entire width of roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dimension new edge line striping from edge of pavement.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
With the exception of lane widths move all text out of the roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show new or existing striping across an intersection and how it aligns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Match lines located outside of an intersection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide match lines with matching stations and sheet numbers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide a legend for symbols used on the plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Signing and striping plans to be separate or on a combined set of plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Right-of-way

Project Name: _____
 Designer: _____
 Project Manager: _____
 Reviewer: _____

Project No.: _____
 Submittal Date: _____
 Review Date: _____

	Reviewer		
	Quality Assurance		
TYPICAL SECTIONS:	N/A	Yes	No
Develop a new typical section for significant changes in roadway width	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Develop a new typical section for significant changes in drainage design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Develop a new typical section for significant changes in right-of-way width	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show cut and fill sections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show guardrail and barriers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dimension existing and proposed right-of-way widths	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dimension total width of the traveled way.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GEOMETRIC CONTROL:	N/A	Yes	No
Show existing and proposed right-of-way with callouts; Dimensions are not needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAN SHEETS:	N/A	Yes	No
Show existing right-of-way and easements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show city and county limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show existing parcel boundaries and ownership	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show proposed right-of-way and easements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTES AND QUANTITIES:	N/A	Yes	No
List item notes in a sequential order	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use same item note numbers for a particular item throughout the plan set	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide location and quantity of the removal items in the removal section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide location and quantity of the new construction items in construction section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide legend for symbols used on the plan sheets in the notes section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Scoping Checklist Signal Design

Project Name: _____

Project No.: _____

Designer: _____

Project Manager: _____

Submittal Date: _____

Reviewer: _____

Review Date: _____

	Reviewer		
	Quality Assurance		
GENERAL:	N/A	Yes	No
Signal plans are completed as per MCDOT Traffic Signal Design Manual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Traffic Signal Design Manual Checklist Items have been accurately completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Sequence of Construction

Project Name: _____

Project No.: _____

Designer: _____

Project Manager: _____

Submittal Date: _____

Reviewer: _____

Review Date: _____

	Reviewer		
	Quality Assurance		
GENERAL:	N/A	Yes	No
Sequence of Construction presented in Specifications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sequence of Construction presented in a plan sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Precise description for each phase	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Noted that the Traffic Control Plans SHALL adhere to the MCDOT Traffic Control Manual: Work Zone and Special Events	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Survey

Project Name: _____
 Designer: _____
 Project Manager: _____
 Reviewer: _____

Project No.: _____
 Submittal Date: _____
 Review Date: _____

	Reviewer		
	Quality Assurance		
FACE SHEET:	N/A	Yes	No
Include as built table with township range and section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TYPICAL SECTIONS:	N/A	Yes	No
Limit the use of dimensions of "Varies".	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Make a note of transition length (by distance or stationing) per each typical.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GEOMETRIC CONTROL:	N/A	Yes	No
All secondary control shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stations and Offset to all monuments and alignments.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clear designation between construction centerline and monument line when different.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the construction centerline and monument centerline differ at the beginning or end of the project, dimension bearing and distance tie to each other.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide coordinates of the beginning and ending of the project on construction centerline if not on a physical monument.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annotate all monuments with point numbers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(GC11) The coordinate table should include and Point Name/Number, Northing, Easting, Elevation and Station and Offset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Include the PLSS corner diagram at point appropriate point.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annotate the geometry (bearing, distances and curve information) of pavement edge and curb within plan view or in a detail with a reference to the detail by sheet number.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Label all PC's, PT's, PRC's, PCC's, etc. with Station, Offset and Grade. This includes but is not limited to Medians, Edge of Roads and Sidewalks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Station, Offset and Grade provided where the beginning and ending of a straight line taper is at the edge of roadway . Geometry (i.e. bearing, distance, and curve data) is not needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Station, Offset and Grade provided when lines and curves maintain a constant offset from the construction centerline. Geometry (i.e. bearing, distance, and curve data) is not needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Right of Way shall be on the same station and offset as the construction centerline.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Survey

Project Name: _____
 Designer: _____
 Project Manager: _____
 Reviewer: _____

Project No.: _____
 Submittal Date: _____
 Review Date: _____

	Reviewer		
	Quality Assurance		
	N/A	Yes	No
PLAN AND PROFILE:			
Annotated all angle points along the proposed and existing right-of-way with station and offset.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annotate any curves in proposed or existing right-of-way.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scale added for 11 x 17 plan set.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annotate tappers on match lines with station and offset.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Make sure to note if annotation is to F/C or B/C.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annotate all corners TCE, Drainage Easement, Utility easements with Station and Offset.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annotate Cut / Fill transitions with Station.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annotation all curve returns, whether pavement or curb and gutter with Station, Offset and Grade.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If ADA ramp(s) are offset provide Station and Offset.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Profile vertical curves make sure the correction variable has correct sign (+ or -)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DRAINAGE PLAN AND PROFILE:			
Annotate all pipes at both ends with Station, Offset and grade or make a note to see detail and a specific page.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Always provide skew or note it is perpendicular.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DRAINAGE CULVERT SHEET:			
Annotate headwall at both ends and angle points with Station and Offset and note which face the Station and Offset is to (up or down flow) or make a note to see detail and a specific page.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annotate skew	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If riprap is not defined by the typical section (i.e. an irregular shaped area), annotate Station, Offset and Grade of all angle points of irregular shaped area and slope of sides.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DRAINAGE GRADING PLAN:			
In catch basin details annotate Station, Offset and Invert of the end of all pipes coming in or out.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Survey

Project Name: _____
 Designer: _____
 Project Manager: _____
 Reviewer: _____

Project No.: _____
 Submittal Date: _____
 Review Date: _____

	Reviewer		
	Quality Assurance		
PAVEMENT MARKING SHEETS:	N/A	Yes	No
When not coincident with striping, add construction centerline with annotation to the nearest striping on either side.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SIGNING SHEETS:	N/A	Yes	No
Annotate Offset to sign post locations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TRAFFIC SIGNAL SHEET:	N/A	Yes	No
Foundations are identified as protect in place, proposed, or protect foundation and pole is to be replaced.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add note for contractor to request form grade check before pouring foundation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DRIVEWAY PROFILE SHEET:	N/A	Yes	No
Define skew on all driveways even if perpendicular to construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annotate Station and Offset to edge of wings (45 degree tappers)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ensure that the cover over the Bell housing of pipe in considered in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LIGHTING SHEET:	N/A	Yes	No
Add note for contractor to request form grade check before pouring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Final Design Checklist Utility

Project Name: _____

Project No.: _____

Designer: _____

Project Manager: _____

Submittal Date: _____

Reviewer: _____

Review Date: _____

	Reviewer		
	Quality Assurance		
GENERAL:	N/A	Yes	No
Utility list documented	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility mapping aquired	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility contact list documented	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Potential utility and railroad conflicts identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility prior rights identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Potential utility and railroad costs identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility Technical Memorandum complete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHERS:	N/A	Yes	No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>