

[illegible]

PROJECT NAME (CIP# XXXXXX-XXXXXX)

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			Responsible Party			Level of Complexity									
Task #	Task	Task Needed	Consultant	City of Columbus	If Authorized	Sub 1	Sub 2	Sub 3	Sub 4	Low	Medium	High	Task Description	Comments	
10.2	Plan & Profile	Yes	X										Submittal shall be in accordance with General Design Requirements.		
10.3	Preliminary Intersection Geometrics	Yes	X												
10.4	Roundabout Intersection Geometrics	Yes	X												
10.5	Cross Sections	Yes	X												
10.6	Conceptual SCP	Yes	X										Determine SCP's per the City of Columbus Stormwater Drainage Manual, latest edition.		
10.7	Traffic Signal Warrant Analysis	Yes	X												
10.7.1 PC Warrant Software Analysis		Yes	X												
10.7.2 Traffic Count Data Collection		Yes	X												
10.8 Miscellaneous Traffic Analysis													Specify studies needed (turn lane warrants, capacity analysis)		
10.8 Lighting Assessment		Yes	X										Conduct inspection and field review of existing lighting assets to assess condition and adherence to current guidelines/standards for illuminance, etc. Include kick-off meeting with DOP to ensure everyone is aware of project scope.		
10.9 Retaining Wall Justification Study		Yes	X										Includes site plans for each alternative		
10.10 Structure Type Study		Unlikely	X										Structure Type Study includes each alternative preliminary Site Plan, Cost Estimate, Preliminary Transverse Section, and other applicable preliminary details.		
11 Plan Development															
11.1 Roadway															
11.1.1 Title Sheet		Yes	X												
11.1.1.1 Stage 1															
11.1.1.2 Stage 2															
11.1.1.3 Stage 3															
11.1.2 Schematic		Yes	X												
11.1.2.1 Stage 1															
11.1.2.2 Stage 2															
11.1.2.3 Stage 3															
11.1.3 Typical Sections		Yes	X										Modification to STD DWG 2130 may be necessary. Justification documentation will be required.		
11.1.3.1 Stage 1															
11.1.3.2 Stage 2															
11.1.3.3 Stage 3															
11.1.4 General Notes		Yes	X												
11.1.4.1 Stage 1															
11.1.4.2 Stage 2															
11.1.4.3 Stage 3															
11.2 MOT Plans															
11.2.1 Conceptual MOT															
11.2.1.1 Stage 1															
11.2.2 MOT General Notes															
11.2.2.1 Stage 2															
11.2.2.2 Stage 3															
11.2.3 MOT Typical Sections															
11.2.3.1 Stage 2															
11.2.3.2 Stage 3															
11.2.4 Pedestrian Detour															
11.2.4.1 Stage 2															
11.2.4.2 Stage 3															
11.2.5 Bike Lane Detour															
11.2.5.1 Stage 2															
11.2.5.2 Stage 3															
11.2.6 Detour Plan															
11.2.6.1 Stage 2															
11.2.6.2 Stage 3															
11.2.7 MOT Plan Sheets															
11.2.7.1 Stage 2															
11.2.7.2 Stage 3															
11.2.8 MOT Subsummary															
11.2.8.1 Stage 2															
11.2.8.2 Stage 3															
11.2.9 Temporary Signal Plans and Details															
11.2.9.1 Stage 2															
11.2.9.2 Stage 3															
11.2.10 MOT Miscellaneous Details													City PM to specify necessary details. Examples include temporary drainage, cross sections, pavement widening, driveway details, utilities, turning templates, etc.		
11.2.10.1 Stage 2															
11.2.10.2 Stage 3															
11.3 SWPPP Plan Sheets		Yes	X										Assume City SWPPP policy unless directed to follow ODOT SS832.		
11.3.1 Stage 2															
11.3.2 Stage 3															
11.4 Roadway Quantities													Stage 2 includes item descriptions only		
11.4.1 General Summary															
11.4.1.1 Stage 2															
11.4.1.2 Stage 3															
11.4.2 Sub-Summaries		Yes	X										Includes drainage items.		
11.4.2.1 Stage 2															
11.4.2.2 Stage 3															
11.4.3 Pavement Calculations		Yes	X												
11.4.3.1 Stage 2															

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11.4.3.2	Stage 3													
11.5	Roadway Plans													
11.5.1	Plan and Profile	Yes	X											
11.5.1.1	Stage 1													
11.5.1.2	Stage 2													
11.5.1.3	Stage 3													
11.5.2	Cross Sections	Yes	X											
11.5.2.1	Stage 1													
11.5.2.2	Stage 2													
11.5.2.3	Stage 3													
11.5.3	Intersection and Curb Ramp Details													
11.5.3.1	Intersection Details	Yes	X										Includes curb ramp details	
11.5.3.1.a	Stage 2													
11.5.3.1.b	Stage 3													
11.5.3.2	Curb Ramps	Yes	X								X			
11.5.3.2.a	Stage 2													
11.5.3.2.b	Stage 3													
11.5.3.3	Roundabout Details	Yes	X								X			
11.5.3.3.a	Stage 1													
11.5.3.3.b	Stage 2													
11.5.3.3.c	Stage 3													
11.5.4	Driveway Details	Yes	X											
11.5.4.1	Stage 1													
11.5.4.2	Stage 2													
11.5.4.3	Stage 3													
11.5.5	Superlevation Table													
11.5.5.1	Stage 1													
11.5.5.2	Stage 2													
11.5.6	Miscellaneous Grading Details													
11.6	Drainage and SCP	Yes	X											
11.6.1	Storm Sewer Profiles													
11.6.1.1	Stage 1													
11.6.1.2	Stage 2													
11.6.1.3	Stage 3													
11.6.2	Culvert Detail Sheets (including headwall and wingwall details)	Likely	X											
11.6.2.1	Stage 2													
11.6.2.2	Stage 3													
11.6.3	SCP/Retention Details	Yes	X										Quality and Quantity per Stormwater Drainage Manual. This needs to include a maintenance plan.	
11.6.3.1	Stage 1													
11.6.3.2	Stage 2													
11.6.3.3	Stage 3													
11.7	Water Works												This could be a separate Water plan.	
11.7.1	Water General Notes & Coordinate Table													
11.7.1.1	Stage 2													
11.7.1.2	Stage 3													
11.7.2	Water Works Plan	Yes	X											
11.7.2.1	Stage 1													
11.7.2.2	Stage 2													
11.7.2.3	Stage 3													
11.7.3	Water Works Plan – Minor Adjustments													
11.7.3.1	Stage 1													
11.7.3.2	Stage 2													
11.7.3.3	Stage 3													
11.8	Sanitary Sewer Plans	Yes	X										This could be a separate CC plan.	
11.8.1	CC-Plans													
11.8.2	PTI													
11.9	Traffic Control													
11.9.1	Signaling & Pavement Marking Plan	Yes	X											
11.9.1.1	Stage 1													
11.9.1.2	Stage 2													
11.9.1.3	Stage 3													
11.9.2	Pavement Marking Subsummary	Yes	X											
11.9.2.1	Stage 2													
11.9.2.2	Stage 3													
11.9.3	Signaling Subsummary	Yes	X											
11.9.3.1	Stage 2													
11.9.3.2	Stage 3													
11.9.4	Signaling and Pavement Marking Details	Yes	X											
11.9.4.1	Stage 2													
11.9.4.2	Stage 3													
11.10	Landscape Notes, Plan and Details	Yes	X										This includes landscape materials and layout plans	
11.10.1	Tree Survey													
11.10.2	Public Tree Plan													
11.10.2.1	Public Tree Plan Notes & Details													
11.10.2.2	Plan Sheets and Tables													
11.10.2.2.a	Stage 2													
11.10.2.2.b	Stage 3													
11.10.3	Miscellaneous Landscaping Details													
11.11	Signal Plans												Include in field signal kick off meeting after Stage 1 Review with City Signal Staff as needed	

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11.11.1	Traffic Signal Notes	Yes	X													
11.11.1.1	Stage 2	Yes	X													
11.11.1.2	Stage 3	Yes	X													
11.11.2	Traffic Signal Quantities	Yes	X													
11.11.2.1	Stage 2	Yes	X										Stage 2 includes item descriptions only			
11.11.2.2	Stage 3	Yes	X													
11.11.3	Traffic Signal Removal Plan	Yes	X													
11.11.3.1	Stage 2	Yes	X													
11.11.3.2	Stage 3	Yes	X													
11.11.4	Signal Plan Sheets	Yes	X													
11.11.4.1	Stage 1	Yes	X													
11.11.4.2	Stage 2	Yes	X													
11.11.4.3	Stage 3	Yes	X													
11.11.5	Signal Details: Wiring diagram, Timing Chart, Detection Details, Grounding and Bonding, Etc.	Yes	X													
11.11.5.1	Stage 2	Yes	X													
11.11.5.2	Stage 3	Yes	X													
11.11.6	Signal Support Calculations, Orientation and Fabrication Details	Yes	X										SWISS calculations required for span wire design.			
11.11.6.1	Stage 3	Yes	X													
11.11.7	Temporary Interconnect Plans	Yes	X													
11.11.7.1	Stage 2	Yes	X													
11.11.7.2	Stage 3	Yes	X													
11.11.8	Interconnect Plan and Details	Yes	X													
11.11.8.1	Stage 1	Yes	X										Stage 1 includes conduit and pull boxes only			
11.11.8.2	Stage 2	Yes	X													
11.11.8.3	Stage 3	Yes	X													
11.11.9	Existing Signals Assessment	Yes	X										May include several of the following tasks related to partial signal rehabilitations: Coordinate with City PM regarding signal equipment inspections/conditions, Assess existing Follow DOP Street Lighting Design Guide requirements			
11.12 Lighting Plan and Details																
11.12.1	Lighting Notes	Yes	X													
11.12.1.1	Stage 2	Yes	X													
11.12.1.2	Stage 3	Yes	X													
11.12.2	Lighting Sub-summary and Quantities	Yes	X													
11.12.2.1	Stage 2	Yes	X													
11.12.2.2	Stage 3	Yes	X										Includes circuit layout and controller schedule			
11.12.3	Lighting Photometric Analysis and Plan Sheets	Yes	X													
11.12.3.1	Stage 2	Yes	X													
11.12.3.2	Stage 3	Yes	X													
11.12.4	Lighting Demolition Plan	Yes	X													
11.12.4.1	Stage 2	Yes	X													
11.12.4.2	Stage 3	Yes	X													
11.12.5	Lighting Plan Details	Yes	X										Includes circuit layout and controller schedule			
11.12.5.1	Stage 2	Yes	X													
11.12.5.2	Stage 3	Yes	X													
11.12.6	Lighting Plan	Yes	X													
11.12.6.1	Stage 1	Yes	X													
11.12.6.2	Stage 2	Yes	X													
11.12.6.3	Stage 3	Yes	X													
11.12.7	Power Circuit Layout and Details	Yes	X													
11.12.7.1	Stage 2	Yes	X													
11.12.7.2	Stage 3	Yes	X													
11.12.8	Lighting Plan Calculations	Yes	X										Includes voltage drop calculations, circuit loading			
11.12.8.1	Stage 1	Yes	X													
11.12.8.2	Stage 2	Yes	X													
11.12.8.3	Stage 3	Yes	X													
11.13 Retaining Walls																
11.13.1	Retaining Wall Plan and Elevation	Yes	X		x								Estimate number of site plan sheets to be estimated for final plan package.			
11.13.1.1	Stage 1															
11.13.2	Retaining Wall Detail Sheets	Yes	X		x											
11.13.2.1	Stage 1															
11.13.2.2	Stage 2															
11.13.2.3	Stage 3															
11.14 Bridge																
11.14.1	Site Plan	Unlikely	X													
11.14.1.1	Stage 1															
11.14.2	Supplemental Site Plan for Railroad Crossing	Unlikely	X													
11.14.2.1	Stage 1															
11.14.3	Bridge Detail Sheets	Unlikely	X													
11.14.3.1	Stage 1															
11.14.3.2	Stage 2															
11.14.3.3	Stage 3															
11.15 Structures General Calculations																
11.15.1	Bridge Rating	Unlikely	X										Baseline is for standard BrR			
11.15.2	Structures Cost	Unlikely	X													
11.15.2.1	Stage 1	Unlikely	X													
11.15.2.2	Stage 2	Unlikely	X													
11.15.2.3	Stage 3	Unlikely	X													
11.16 Structures General Sheets																
11.16.1	Structures General Notes Sheets												Hours for developing General Notes sheets for both bridge and wall plans.			
11.16.1.1	Stage 2															
11.16.1.2	Stage 3															
11.16.2	Estimated Quantities Sheets												Hours for developing General Summary sheets for both bridge and wall plans. Assumes structures estimated quantity calculations have already been performed.			
11.16.2.1	Stage 2															
11.16.2.2	Stage 3															
11.16.3	Reinforcing Steel Schedule Sheets												Hours for performing reinforcing labeling, rebar take-off, and production of reinforcing schedule sheets. This is for both bridge and wall plans			

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11.16.3.1	Stage 3														
12 Submittal Efforts															
12.1	Disposition to Preliminary Alignment Comments / Stage 1 Submittal	Yes	X												
12.2	Disposition of Stage 1 Comments / Stage 2 Submittal	Yes	X												
12.3	Disposition of Stage 2 Comments / Stage 3 Submittal	Yes	X												
12.4	Disposition of Stage 3 Comments / Backcheck Submittal	Yes	X												
12.5	Roadway Backcheck												Includes addressing backcheck comments of Tasks 11.1, 11.4, 11.5		
12.6	MOT Backcheck												Includes addressing backcheck comments of Task 11.2		
12.7	Drainage and SCP Backcheck												Includes addressing backcheck comments of Tasks 11.3, 11.6		
12.8	Water Works Backcheck												Includes addressing backcheck comments of Task 11.7		
12.9	Sanitary Backcheck												Includes addressing backcheck comments of Task 11.8		
12.10	Traffic Control Backcheck												Includes addressing backcheck comments of Task 11.9		
12.11	Landscape Backcheck												Includes addressing backcheck comments of Task 11.10		
12.12	Traffic Signal Backcheck												Includes addressing backcheck comments of Task 11.11		
12.13	Lighting Backcheck												Includes addressing backcheck comments of Task 11.12		
12.14	Retaining Wall Backcheck												Includes addressing backcheck comments of Task 11.13		
12.15	Bridge Backcheck												Includes addressing backcheck comments of Task 11.14		
12.16	Structure Backcheck												Includes addressing backcheck comments of Task 11.15		
12.17	Submission of NOI application.	Yes	X										Include Application Fee.		
12.18	Signature Submittal	Yes	X										Submittal shall be in accordance with the City General Design Requirements.		
13 On-going services during Construction															
13.1	Pre-Bid Questions	Yes	X												
13.2	On-going Services During Construction	Yes	X												
13.3	Shop Drawing Review	Yes	X												
13.4	As-Builts	Yes	X										As needed per section 4.2 of the SWDM		
13.5	Set R/W Pins	Yes	X										Consultant shall follow the City General Design Requirements.		
13.6	Set Centerline pins	Yes	X										Survey consultant to set centerline pins in monument boxes set by contractor. Survey consultant shall stake monument box locations during construction and then return to set pins once boxes are constructed.		