Roadway Plan Sheets QC Checklist

Initial (30%)	PBLR	Detailed (60%)	Final (90/95%)	Sealed (100%)	RTL	N/A	QC Item	Comments
Roadway Plan Sheets								
☐	☐	☐	☐	☐	☐	☐	Title Block information is complete	
☐	☐	☐	☐	☐	☐	☐	Sheet numbering is correct and matches Index of Sheets	
☐	☐	☐	☐			☐	Engineer's Preliminary Stamp on all applicable pdfs	
				☐	☐	☐	Engineer's Seal, Signature and Date on all applicable pdfs	
Survey Control Sheets:								
☐		☐	☐	☐	☐	☐	Primary control monuments shown	
☐		☐	☐	☐	☐	☐	Control points identified with number	
☐		☐	☐	☐	☐	☐	Baseline and/or centerline shown	
☐		☐	☐	☐	☐	☐	North Arrow	
☐		☐	☐	☐	☐	☐	Scale	
				☐	☐	☐	PE (or RPLS) signature, seal and date	
☐		☐	☐	☐	☐	☐	Other:	
☐		☐	☐	☐	☐	☐	Other:	
Horizontal and Vertical Control Sheets:								
☐		☐	☐	☐	☐	☐	Location for each control point shown showing baseline/and or centerline alignment	
☐		☐	☐	☐	☐	☐	Station and offset (with respect to baseline and/or centerline) of each control point	
☐		☐	☐	☐	☐	☐	Basis of Datum for horizontal control (base control monument/ benchmark name/ number, datum)	
☐		☐	☐	☐	☐	☐	Basis of Datum for vertical control (base control monument/benchmark name/number, datum)	
☐		☐	☐	☐	☐	☐	Date of current adjustment of the datum	
☐		☐	☐	☐	☐	☐	Monumentation set for Control (description, district name/number and location ties)	
☐		☐	☐	☐	☐	☐	Surface Adjustment factor and unit of measurement (survey feet)	
☐		☐	☐	☐	☐	☐	Control point coordinates (Northing and Easting using surface distances)	
☐		☐	☐	☐	☐	☐	Control point elevation	
☐		☐	☐	☐	☐	☐	Survey closure information	
☐		☐	☐	☐	☐	☐	Relevant metadata	
☐		☐	☐	☐	☐	☐	Scale	
				☐	☐	☐	PE (or RPLS) signature, seal and date	
☐		☐	☐	☐	☐	☐	Other:	
☐		☐	☐	☐	☐	☐	Other:	
Alignment Data Sheets:								
☐		☐	☐	☐	☐	☐	Alignments for each permanent roadway are shown (e.g., mainlines, frontage roads, ramps, intersecting roadways, etc.)	
						☐	***For each alignment:***	
☐		☐	☐	☐	☐	☐	Curve data	
☐		☐	☐	☐	☐	☐	PC, PI, PT station and coordinates	
☐		☐	☐	☐	☐	☐	Curve radius	
☐		☐	☐	☐	☐	☐	Deflection angle	

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☐		☐	☐	☐	☐	☐	Tangent bearings and lengths	
☐		☐	☐	☐	☐	☐	Stations and station equations (if applicable)	
☐		☐	☐	☐	☐	☐	Ahead bearing from curve data matches back bearing from next curve	
☐		☐	☐	☐	☐	☐	Other:	
☐		☐	☐	☐	☐	☐	Other:	
Removal Layouts (*may be shown on a roll plot for Initial 30%*):								
		☐	☐	☐	☐	☐	Horizontal data (i.e., stationing, bearings, curve data, etc.)	
		☐	☐	☐	☐	☐	Begin/End Project	
		☐	☐	☐	☐	☐	All items for removal called out	
		☐	☐	☐	☐	☐	All removal items quantified in call out annotation with item number and description code	
		☐	☐	☐	☐	☐	North arrow	
		☐	☐	☐	☐	☐	Scale	
		☐	☐	☐	☐	☐	Other:	
Roadway Plan and Profile Sheets (*may be shown on a roll plot for Initial 30%*) **Completed for each alignment (mainlanes, frontage roads, ramps, etc.):**								
							Plan view:	
☐	☐	☐	☐	☐	☐	☐	Horizontal data (i.e., stationing, bearings, curve data, etc.)	
☐	☐	☐	☐	☐	☐	☐	Begin/End Project : Station number, CSJ	
☐	☐	☐	☐	☐	☐	☐	Superelevation transition table	
☐	☐	☐	☐	☐	☐	☐	Intersecting roads & driveways (intersecting station, name, radii, parallel drainage culverts, etc.)	
☐	☐	☐	☐	☐	☐	☐	Existing culverts **to remain**	
☐	☐	☐	☐	☐	☐	☐	Proposed culverts (centerline station, type)	
☐	☐	☐	☐	☐	☐	☐	Existing ROW	
☐	☐	☐	☐	☐	☐	☐	Proposed ROW and width at each break	
		☐	☐	☐	☐	☐	Proposed Easements and type (construction, drainage, etc.)	
☐	☐	☐	☐	☐	☐	☐	County/City limits	
☐	☐	☐	☐	☐	☐	☐	Control of access (if applicable)	
☐	☐	☐	☐	☐	☐	☐	Begin/end bridge and stationing	
☐	☐	☐	☐	☐	☐	☐	Roadway widths at each break	
☐	☐	☐	☐	☐	☐	☐	Lane/shoulder widths	
		☐	☐	☐	☐	☐	**W**all locations	
☐	☐	☐	☐	☐	☐	☐	Railroad crossing	
☐	☐	☐	☐	☐	☐	☐	Special ditch alignments (if applicable and not detailed elsewhere)	
☐	☐	☐	☐	☐	☐	☐	Direction of flow for channels	
		☐	☐	☐	☐	☐	Construction limits (optional)	
		☐	☐	☐	☐	☐	Limits of MBGF, rail, curb & gutter, underdrains, etc.	
☐	☐	☐	☐	☐	☐	☐	Existing and proposed fencing	
☐	☐	☐	☐	☐	☐	☐	Bicycle and pedestrian accomodations (if applicable)	
☐	☐	☐	☐	☐	☐	☐	Existing and proposed utilities (if not shown on Utility Layouts)	
☐	☐	☐	☐	☐	☐	☐	Matchline stations match	

Roadway Plan Sheets QC Checklist								
Initial (30%)	PBLR	Detailed (60%)	Final (90/95%)	Sealed (100%)	RTL	N/A	QC Item	Comments
☐	☐	☐	☐	☐	☐	☐	North Arrow	
☐	☐	☐	☐	☐	☐	☐	Scale	
☐	☐	☐	☐	☐	☐	☐	Other:	
☐	☐	☐	☐	☐	☐	☐	Other:	
☐	☐	☐	☐	☐	☐	☐	**Profile view:**	
☐	☐	☐	☐	☐	☐	☐	PGL called out with description (i.e, FM 315 PGL)	
☐	☐	☐	☐	☐	☐	☐	Curve data near VPI	
☐	☐	☐	☐	☐	☐	☐	Percent grade to 3 decimal places (e.g.,+/- 1.215%)	
☐	☐	☐	☐	☐	☐	☐	Existing ground callout	
☐	☐	☐	☐	☐	☐	☐	Elevations at 50' intervals (Proposed/Existing labeled)	
☐	☐	☐	☐	☐	☐	☐	Utility crossing locations shown and approximate depths, if known	
☐	☐	☐	☐	☐	☐	☐	Culverts & Bridges: show location in line with plan view. Culvert type, upstream and downstream flowlines	
☐	☐	☐	☐	☐	☐	☐	Scale	
☐	☐	☐	☐	☐	☐	☐	Other:	
☐	☐	☐	☐	☐	☐	☐	Other:	
Intersection Details:								
		☐	☐	☐	☐	☐	Pavement contours/elevations	
		☐	☐	☐	☐	☐	Direction of drainage flow	
		☐	☐	☐	☐	☐	Location of inlets	
		☐	☐	☐	☐	☐	North arrow	
		☐	☐	☐	☐	☐	Scale	
		☐	☐	☐	☐	☐	Horizontal alignment data	
		☐	☐	☐	☐	☐	Radii	
		☐	☐	☐	☐	☐	Radius Return Stations and offsets	
		☐	☐	☐	☐	☐	Stations, offsets, and elevations for other critical points	
		☐	☐	☐	☐	☐	Other:	
		☐	☐	☐	☐	☐	Other:	
Driveway Details:								
		☐	☐	☐	☐	☐	Pavement structure typical section	
		☐	☐	☐	☐	☐	Limits of construction (ROW line)	
		☐	☐	☐	☐	☐	Radii	
		☐	☐	☐	☐	☐	Profile grade	
		☐	☐	☐	☐	☐	Parallel drainage pipe details (if applicable)	
		☐	☐	☐	☐	☐	Driveway Detail Summary Table (if applicable)	
		☐	☐	☐	☐	☐	North Arrow	
		☐	☐	☐	☐	☐	Scale	
		☐	☐	☐	☐	☐	Other:	
		☐	☐	☐	☐	☐	Other:	
Miscellaneous Roadway Details:								
							Crash Cushion Summary Sheet:	

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		☐	☐	☐	☐	☐	Two (2) attenuator systems shown for each location	
		☐	☐	☐	☐	☐	Direction of traffic, design speed, foundation, backup support, backup width and/or transin options	
		☐	☐	☐	☐	☐	Other:	