

Proje	ct ID: Con	sultant/RPG:	Date:
Со	unty:	Description:	
	Conduct DFR Perform Constructability Revie	w	RDM 21.1.5
Title S	heet		
1.1	County, Project ID, Description,	and Scope consistent with P2S	RDM 22.1.4/22.2.1
1.2	Road Number labeled on Title S	heet	RDM 22.2.2
1.3	Map properly depicts location		RDM 22.2.2
1.3.1	Location Map Labels (Cou	inty or Town/City of)	RDM 22.2.2
1.3.2	Project area clearly highligh	nted on map	RDM 22.2.2
1.3.3	Ensure scale is accurately s	hown and labeled	RDM 22.2.2
1.4	Design Reference Year/Hydrauli Department practices	c Design Reference year is appropriate fo	or RDM 22.2.2
1.5	Traffic data (current and design	year) for each road	RDM 22.2.2
1.5.1	Design year selection		RDM 3.6.2
1.6	Project location and description		RDM 22.2.2
1.7	North arrow shown		RDM 22.2.2
1.8	Index with Subtotals and Total S	heets or note to IL1	RDM 22.1.3/22.2.2
1.8.1	If IL1 is noted, ensure IL1 S	neet is provided	
1.9	Longitude and Latitude		RDM 22.2.2
1.10	Railroad involvement indicated		RDM 22.2.2
1.11	Environmental Permit Informati	on Completed	RDM 22.2.2
1.12	Check Beginning and Ending Sta	tion Notes on Location Map Agree with e	ach of the following:
1.12.1	Typical Section		
1.12.2	Plans		
1.12.3	Profiles		
1.12.4	Cross Sections		
1.12.5	Include arrows indicating "	Begin" and "End" of project survey(s)	RDM 22.2.2
1.13	Ensure notes for bridges/culver	ts and notes for exceptions agree with:	
1.13.1	Typical Section		
1.13.2	Plans		
1.13.3	Profiles		
1.13.4	Cross Sections		

- 1.13.5 Note: "Bridge plans bound under separate cover"
- 1.14 Check length of Project

Show length(s) in thousandths for each mainline survey (side roads, connectors,

1.14.1	ramps, etc.)	
1.14.2	Calculate and provide detour mileage if applicable	RDM 22.2.2
1.14.3	Show total mileage if multiple roads/alignments	RDM 22.2.2
1.14.4	Check for exceptions of roadway	RDM 22.2.2
1.14.5	Show equalities in stationing (agrees with plans)	RDM 22.2.2
1.15	RPG Number/Group Coordinator Initials & Initials of Preparer	
Cor	nments:	

Inde	ex Layout Sheet (if used)	
IL.1	Index accurate based on information included in plans	RDM 22.2.3
IL.2	All sheets to be included in final set are shown in index, including "omitted" sheets	RDM 22.2.3
	Comments:	

Туріо	cal Section	RDM 22.2.5
Gene	ral	
3.1	Do station limits agree with plan(s) and cross section(s)?	RDM 22.2.5.4/22.2.7.2
3.2	Is profile grade line location shown?	RDM 6.2.3.2
3.3	Functional classification provided	RDM 22.2.5.9
3.4	Sidewalk separated from travel lane by curb or grassed space	RDM 7.3.3
3.5	Base 0.5' wider than surface/intermediate (non-curb/gutter)	
3.6	"NTS" if not to scale	RDM 22.2.5.1
3.7	Ditch note allowing variable ditch where applicable	RDM Fig. 16.2-A
3.8	Is guardrail note included if applicable	
3.9	Is on-street parking applicable	RDM 7.2.7
3.10	Does shown width of the whole section matches the sum of the parts shown	2

Trav	el & Auxilary Lanes				□ N/A	RDM Chapters 14-17
Are	ane widths and slop	es dimensio	ned and app	propriate for	the road type?	
3.11	Travel lanes	🗌 N/A	U Width	Slope	Dimension	
3.12	Auxilary lanes	🗌 N/A	U Width	Slope	Dimension	
3.13	Shared Use Paths	🗌 N/A	U Width	Slope	Dimension	AASHTO Bike Guide
Shou	ulders (RDM 2.2.9/7	7.2.4.2)			□ N/A	
Are	shoulder widths and	slopes dime	ensioned and	d appropriat	e for the road ty	pe?
3.17	Paved Shoulders	🗌 N/A	U Width	Slope	Dimension	
3.18	Earth Shoulders	🗌 N/A	U Width	Slope	Dimension	
3.19	Shared Use Paths	🗌 N/A	U Width	Slope	Dimension	
3.20	Interchange Ramps	🗌 N/A	🗌 Width	Slope	Dimension	RDM 10.5.4
Bike	/Ped (RDM 7.3.3)				□ N/A	
Are	widths and slopes ap	opropriate fo	or the road t	ype and dim	ensioned?	
3.21	Sidewalk	🗌 N/A	U Width	Slope	Dimension	
3.22	Shared Use Paths	🗌 N/A	U Width	Slope	Dimension	
3.23	Bike Lanes	🗌 N/A	U Width	Slope	Dimension	
3.24	Shared Use Lanes	🗌 N/A	🗌 Width	Slope	Dimension	
Med	lians				□ N/A	
Are	widths appropriate f	or the road	type and dir	mensioned?		
3.25	Flush	🗌 N/A	U Width	Dimensio	oned	RDM 7.4.2.2
3.26	TWLTL	🗌 N/A	U Width	Dimensio	oned	RDM 7.4.3
3.27	Raised Concrete	🗌 N/A	U Width	Dimensio	oned	RDM 7.4.2.3
3.28	Raised Planted	N/A	🗌 Width	Dimensio	oned	RDM 7.4.2.3
3.29	Earthen Depressed	🗌 N/A	U Width	Dimensio	oned	RDM 7.4.2.4

Othe	er					
3.30	Do bridge widths	match approach se	ections?	🗌 N/A	Yes	RDM 7.5.1.1
3.31	Fill Heights	Fill Height Ta	ble	2:1s lab	oeled as 2:1 Max	RDM 7.3.2.2
3.32	Design Speed	Roadway	SUP	🗌 Rounda	ibout	RDM 22.2.5.8, 3.5.1
3.33	Flat Bottom Ditch	es	Labeled			RDM 22.2.5.2
	Ensure shown wid	Ith of the whole se	ction matches the	sum of the pa	arts shown	
	Comments:					

	Reference Data Sheet			
5A.1	Curve Data	RDM 22.2.7.3		
5A.1.1	Includes PI, Δ, Degree, Tangent, Length, External, Radius, Design Speed, eMax, e, PC/PT-LG%	RDM Figure 22.2-D		
5A.3	Design speeds consistent with typical sections			
5A.4	Horizontal curves meet minimum radius			
5A.5	Horizontal curves meet minimum lengths	RDM 5.2.5		
5A.6	Tangent length between curves is adequate (Reverse Curves)	RDM 5.2.2.4/5.3.7		
Co	omments:			

Survey	Control Data Sheet
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Surv	ey Control Data Sheet	PCDM-08
5B.1	Required	
5B.2	Datum Defined (with a Combined Scale Factor (CSF) included)	
5B.3	Project survey control coordinate and elevation information provided	
	Comments:	

Plan	Sheets	
Gene	eral RDM Se	ction 3.8.4.3
6.1	Utility Owners note on first plan sheet	RDM 22.2.7.2
6.2	All right of way properly verified	
6.2.1	"Present" Heading	RDM 12.1.2/22.2.6.1.1
6.3	North arrow on all plan sheets	RDM 22.2.8.21
6.4	Match lines shown are in agreement with station alignments and appropria	te pages
6.5	Bearings provided on all plan sheets,	RDM 22.2.8.21
6.6	PI's do not exceed maximum without a curve	RDM 5.2.4
6.7	Relocated centerline notes provided	
6.8	Are transition tapers shown and labeled?	
6.9	Label Existing Control of Access	RDM 3.8/22.2.8.3
6.10	Alignment control note on all plan sheets	
6.11	Medians designed in accordance with Section 7.4 of the RDM?	RDM 7.4
6.12	Access management is consistent throughout corridor?	RDM 3.8.2
6.14	Construction limits shown	RDM 12.1.6/22.2.8.9
6.15	Earth retaining structures shown on plans	
_	Locations	
6.16	New box culverts & culvert extensions shown	
_	Locations	
6.17	Roadway design has been coordinated with a geotechnical engineer	
Trave	elway widths	RDM 22.2.8.6
6.18	Lane widths tie to existing at beginning and end of project	
6.19	Shown at beginning and end of each sheet	
6.20	Shown at beginning and end of tapers	
6.21	Pluses (+) shown at beginning and end	
6.22	Consistent with typical section(s)	
Sight	Distances - Check horizontally and vertically	
6.23	Stopping Sight Distance	RDM 4.1
6.24	Intersection sight distance	
6.25	Passing Sight Distance	RDM 4.2
6.26	Decision Sight Distance	RDM 4.3
6.27	Roundabouts	RDM 4.5
ROW	/ Data	
6.28	Property lines shown	RDM 22.2.6.1.4
6.29	Tracts numbered	RDM 12.2.1
6.30	Right of way labeled at beginning and end of each sheet	
6.31	Station-Offset given for shifts and at beginning and end of tapers for presen ROW	t RDM 22.2.6.1.1

6.32	Label right of way at breaks/shifts in present right of way	
6.33	ROW included for sight triangle areas	RDM 12.1.8
6.34	Station-Offset text shown (if not on separate sheet)	RDM 21.1.2
6.35	Additional ROW acquired for bridge sites	RDM 12.1.14
Roadw	vay Drainage	RDM 3.10/22.2.7.4
6.36	Structures (i.e. culvert agrees with culvert details)	RDM 3.10.3.6
6.37	Cross line pipes 48" or greater shown on profile	RDM 22.2.8.11
6.38	Hydro data provided for bridges and culverts larger than 48"	
6.39	Dams - Ensure dams are not being constructed within SCDOT righ	nt of way
Interch	nanges RDI	M Section 3.8.4.3
6.40	Taper rates for taper style ramp are between 2 and 5 degrees	RDM 10.4.1.2
6.41	Deceleration lane lengths correct	RDM 10.4.1.3
6.42	Accelleration lane lengths correct	
6.43	Cross slope rollover at gores meets RDM section 10.4.1.6	RDM 10.4.1.6
6.44	Gore areas drawn	RDM 10.4.1.8
Interse	ections	
6.45	Offset intersection legs comply with RDM Section 9.2.6.3	RDM 9.2.6.3
6.46	Lane movements tie across intersection	
4.47	Intersection spacing is consistent with RDM Section 9.2.3	RDM 9.2.3
6.48	Angle of intersection is consistent with RDM Section 9.2.6.2	RDM 9.2.6.2
6.49	Intersection realignment is consistent with RDM Figure 9.2-C	RDM Figure 9.2-C
6.50	Throat widths with adequate taper tie-in (designed in accordance with design vehicle)	h proper
6.51	Specify signal pole and cabinet location	PCDM - 13
6.52	Minimum size of channelizing islands is met	RDM 9.6.3
Design \	Vehicle Selection	RDM 3.7/9.2.5
6.53	Turning radii depicted on plans at all major intersections	
6.54	For new curb/gutter being introduced, verify adequate design vel access intersections/drives	hicle(s) can
Auxiliary	y lanes	
6.55	Storage length shown and clearly labeled	RDM 9.5.2.2
6.56	Tapers shown and clearly labeled	RDM Figure 9.5-I
6.57	Widths shown and clearly labeled	RDM 7.2.6.1/9.5.2.1
6.58	Offset Lanes shown and clearly labeled	RDM 9.5.3
6.59	Dual-Turn Lanes shown and clearly labeled	RDM 9.5.4

Rour	dabouts	RDM 9.7
6.60	Design Considerations	RDM 9.7.4
6.61	R1-R5 Verification NCHRP Rep	ort 672 6.7
Bike	Ped Accommodations	
6.62	Minimum PAR maintained	
6.62.2	No signs, poles, hydrants, etc. allowed within PAR	RDM 7.3.3
6.62.2	Must be maintained through ALL driveways, alleys, etc.	
6.63	Sidewalk ties to existing sidewalk or ends at logical termini (intersections, major area attractions)	RDM 7.3.3
6.64	Sidewalk breaks and radius turns are shown at driveways correctly	
6.65	SUP is separated from pavement of nearest travel way or a suitable barrier is used	
6.66	Are bike lanes terminated per AASHTO 2012 Bike Guide (if not tied to existing bike lanes)	
	Comments:	

	Profiles			
6A.1	K-values meet required minimum values (appropriate curve lengths)	RDM 6.5		
6A.2	Vertical clearances meet minimums	RDM 6.6/7.5.1.2		
6A.3	Grades are equal to or below maximum grade	RDM 6.3.1		
6A.4	Grades are equal to or above minimum grade	RDM 6.3.2		
6A.5	Critical length of grade checked	RDM 6.3.3		
6A.6	Existing ground profile shown and labeled RDM 22.2.8.12			
6A.7	Centerline elevations agree with cross sections			
6A.8	Vertical alignment ties at beginning and end of project			
Side Ro	ads	RDM 9.2.7		
6A.9	Landing Area/Approach grade	RDM 9.2.7.1		
6A.10	Sag/Crest Breaks	RDM Figures 9.2-F & 9.2-G		
6A.11	Buffer between mainline and 1st side road vertical curve	RDM Figures 9.2-F & 9.2-G		
6A.12	Intersection Sight Distance (ISD)	RDM 4.4		
6A.13	Vertical Profile	RDM 9.2.7.3		
Cor	nments:			

Cross Se	ections	RDM 21.1.10
XS.1	Reference Data Sheet	RDM 22.2.21
XS.2	Clear zone is provided throughout project	Roadside Design Guide Table 3-1
XS.3	Consistent with typical sections(s) - rates, widths, cross slopes, depth	ns
XS.4	Consistent with plan view - widths, presence of turn lanes, ditches, g	uardrail
XS.5	Consistent with profile(s) - elevations	
XS.6	Labels for present right of way shown	
XS.8	Station equalities labeled	RDM 22.2.21
XS.9	Bridge station limits labeled	RDM 22.2.21
XS.11	Matchlines shown for intersecting roads	RDM 22.2.21
Comment	S:	

2.2.7
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	ADA Considerations							
Sidewalk								
ADA.1	Is the sidewalk width 5 foot (60") exclusive of curb?							
ADA.2	Where sidewalk width is less than 5 feet, are passing zones (60" x 60") provided at intervals no greater than every 200 feet?							
	Comments:							
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Project ID:		ID: Consultant/RPG:	Date:
County:		nty: Description:	
		Conduct DFR Perform Constructability Review	RDM 21.1.5
Title	Sh	eet	
1.1		County, Project ID, Description, and Scope consistent with P2S	RDM 22.1.4/22.2.1
1.2		Road Number labeled on Title Sheet	RDM 22.2.2
1.3		Map properly depicts location	RDM 22.2.2
1.3.1		Location Map Labels (County or Town/City of)	RDM 22.2.2
1.3.2	1	Project area clearly highlighted on map	RDM 22.2.2
1.3.3	I	Ensure scale is accurately shown and labeled	RDM 22.2.2
1.4		Design Reference Year/Hydraulic Design Reference year is appropriate for Department practices	RDM 22.2.2
1.5		Traffic data (current and design year) for each road	RDM 22.2.2
1.5.1		Design year selection	RDM 3.6.2
1.6		Project location and description	RDM 22.2.2
1.7		North arrow shown	RDM 22.2.2
1.8		Index with Subtotals and Total Sheets or note to IL1	RDM 22.1.3/22.2.2
1.8.1		If IL1 is noted, ensure IL1 Sheet is provided	
1.9		Longitude and Latitude	RDM 22.2.2
1.10		Railroad involvement indicated	RDM 22.2.2
1.11		Environmental Permit Information Completed	RDM 22.2.2
1.12		NPDES Permit Information Provided	RDM 12.1.5.3/22.2.2
1.13		Check Beginning and Ending Station Notes on Location Map Agree with eac	h of the following:
1.13.1	L	Typical Section	
1.13.2	2	Plans	
1.13.3	3	Profiles	
1.13.4	1	Cross Sections	
1.13.5	5	Include arrows indicating "Begin" and "End" of project survey(s)	RDM 22.2.2
1.14		Ensure notes for bridges/culverts and notes for exceptions agree with:	
1.14.1	L	Typical Section	
1.14.2	2	Plans	
1.14.3	3	Profiles	
1.14.4	1	Cross Sections	
1.14.5	5	Note: "Bridge plans bound under separate cover"	
1.15		Check length of Project	

1.15.1	Show length(s) in thousandths for each mainline survey (side roads, connectors, ramps, etc.)	
1.15.2	Calculate and provide detour mileage if applicable	RDM 22.2.2
1.15.3	Show total mileage if multiple roads/alignments	RDM 22.2.2
1.15.4	Check for exceptions of roadway	RDM 22.2.2
1.15.5	Show equalities in stationing (agrees with plans)	RDM 22.2.2
1.16	RPG Number/Group Coordinator Initials & Initials of Preparer	

Comments:

Ind	ndex Layout Sheet (if used)					
IL.1	Index accurate based on information included in plans	RDM 22.2.3				
IL.2	All sheets to be included in final set are shown in index, including "omitted" sheets	RDM 22.2.3				
	Comments:					

Турі	ical Section					RDM 22.2.5
Gen	eral					
3.1	Do station limit	ts agree with pl	an(s) and cross	s section(s)?		RDM 22.2.5.4/22.2.7.2
3.2	Is profile grade	line location sl	nown?			RDM 6.2.3.2
3.3	Functional clas	sification provi	ded			RDM 22.2.5.9
3.3.1	Local Road	ls and Streets (group number	also for local	routes)	RDM 14
3.3.2	Collector F	Roads and Stree	ets			RDM 15
3.3.3	Rural and	Urban Arterials				RDM 16
3.3.4	Freeways					RDM 17
3.4	Sidewalk separ	ated from trave	el lane by curb	or grassed sp	ace	RDM 7.3.3
3.5	Base 0.5' wider	than surface/i	ntermediate (r	on-curb/gutt	er)	
3.6	"NTS" if not to	scale				RDM 22.2.5.1
3.7	Ditch note allo	wing variable d	itch where app	olicable		RDM Fig. 16.2-A
3.8	Is guardrail not	e included if ap	plicable			
3.9	ls on-street pai	king applicable	2			RDM 7.2.7
3.10	Does shown wi	dth of the who	le section mate	ches the sum	of the parts show	n?
Trav	el & Auxilary Lan	es			🗌 N/A	RDM Chapters 14-17
Are l	ane widths and s	lopes dimens	sioned and a	ppropriate	for the road typ	pe?
3.11	Travel lanes	🗌 N/A	🗌 Width	Slope	Dimension	
3.12	Auxilary lanes	🗌 N/A	🗌 Width	Slope	Dimension	
3.13	Shared Use Paths	🗌 N/A	🗌 Width	Slope	Dimension	AASHTO Bike Guide
Curb	os (RDM 7.2.8)				□ N/A	

3.14	Curb Ramp Note	es				RDM 22.2.5.7
3.15	Curb Types and	Widths Appro	priate			RDM 7.2.8
3.16	Valley Gutter					RDM 7.2.9/11.11.3.7
Sho	ulders (RDM 2.2.9	/7.2.4.2)			🗌 N/A	
Are	shoulder widths ar	nd slopes di	mensioned a	nd appropri	ate for the road t	ype?
3.17	Paved Shoulders	□ N/A	🗌 Width	Slope	Dimension	
3.18	Earth Shoulders	🗌 N/A	🗌 Width	Slope	Dimension	
3.19	Shared Use Paths	🗌 N/A	🗌 Width	Slope	Dimension	
3.20	Interchange Ramps	🗌 N/A	🗌 Width	Slope	Dimension	RDM 10.5.4
Bike	/Ped (RDM 7.3.3)				🗌 N/A	
Are	widths and slopes	appropriate	e for the road	type and d	imensioned?	
3.21	Sidewalk	🗌 N/A	🗌 Width	Slope	Dimension	
3.22	Shared Use Paths	🗌 N/A	🗌 Width	Slope	Dimension	
3.23	Bike Lanes	🗌 N/A	🗌 Width	Slope	Dimension	
3.24	Shared Use Lanes	🗌 N/A	🗌 Width	Slope	Dimension	
Med	dians				🗌 N/A	
Are	widths appropriate	e for the roa	ad type and d	imensioned	!?	
3.25	Flush	🗌 N/A	🗌 Width	Dimens	ioned	RDM 7.4.2.2
3.26	TWLTL	🗌 N/A	🗌 Width	Dimens	ioned	RDM 7.4.3
3.27	Raised Concrete	🗌 N/A	🗌 Width	Dimens	ioned	RDM 7.4.2.3
3.28	Raised Planted	🗌 N/A	🗌 Width	Dimens	ioned	RDM 7.4.2.3
3.29	Earthen Depressed	🗌 N/A	🗌 Width	Dimens	ioned	RDM 7.4.2.4
Oth	er					
3.30	Do bridge widths ma	tch approach	sections?	🗌 N//	A 🗌 Yes	RDM 7.5.1.1
3.31	Fill Heights] Fill Height 1	Table	2:1	s labeled as 2:1 Max	RDM 7.3.2.2
3.32	Design Speed	Roadway	SUP	Ro	undabout	RDM 22.2.5.8, 3.5.1
3.33	Flat Bottom Ditches		Labeled			RDM 22.2.5.2
		6				

Ensure shown width of the whole section matches the sum of the parts shown

Pave	ement Design	
	Design included	RDM 22.2.5.3
3.34	Approved by Pavement Design Engineer within last three years. Provide memo/e-mail to QA.	RDM 21.1.8
	Reviewed against DFR plan review recommendations	
3.35	Widths and thickness/rate of material agrees with plans and cross sections	
	Pavement legend agrees with OMR or DFR	
	Asphalt materials comply with guidelines for HMA Selection (Latest version)	
3.36	Graded Aggregate Bases (Should not be used in areas with 6' or less width) (req	juires note)
	Comments:	

Rig	ht of Way Data Sheet	RDM 22.2.6.1
4.1	Required and included in plans	RDM 22.2.6
4.2	Tract numbers agree with Property Strip Map and Plan sheets	RDM 22.2.6.1
4.3	Ensure compliance with Notes A and B on ROW Data Sheet	
4.4	Permissions noted and accurate	RDM 12.2.6
4.5	New ROW included and accurate	RDM X.X.X
	Comments:	

Prop	erty Strip Map	RDM 22.2.6.2
4A.1	Tracts numbered	RDM 22.2.6.2
4A.2	Property Closures	RDM 12.2.3/22.2.6.2
4A.3	Present and new right of way clearly noted	RDM 22.2.6.2
4A.3.1	Agrees with plans	
4A.3.2	Drawn to reflect correct offset from CL with labels at all ROW line breaks	
4A.4	Readable at half-size	
(Comments:	
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	Kelelence Data Sheet	
5A.1	Curve Data	RDM 22.2.7.3
5A.1.1	Includes PI, Δ, Degree, Tangent, Length, External, Radius, Design Speed, eMax, e, PC/PT-LG%	RDM Figure 22.2-D
5A.3	Design speeds consistent with typical sections	
5A.4	Horizontal curves meet minimum radius	
5A.5	Horizontal curves meet minimum lengths	RDM 5.2.5
5A.6	Tangent length between curves is adequate (Reverse Curves)	RDM 5.2.2.4/5.3.7
(Comments:	

Poforonco Data Chaot

Survey Control Data Sheet

Required

5B.1

 5B.2
 Datum Defined (with a Combined Scale Factor (CSF) included)

 5B.3
 Project survey control coordinate and elevation information provided

 Comments:
 Comments:

Plan Sheets		
General RDM		DM Section 3.8.4.3
6.1	Utility Owners note on first plan sheet	RDM 22.2.7.2
6.2	All right of way properly verified	
6.2.1	"Present" Heading	RDM 12.1.2/22.2.6.1.1
6.2.2	"New" Heading	RDM 22.2.6.1.2
6.3	North arrow on all plan sheets	RDM 22.2.8.21
6.4	Match lines shown are in agreement with station alignments and a	ppropriate pages
6.5	Bearings provided on all plan sheets,	RDM 22.2.8.21
6.6	PI's do not exceed maximum without a curve	RDM 5.2.4
6.7	Relocated centerline notes provided	
6.8	Are transition tapers shown and labeled?	
6.9	Label Existing & Proposed Control of Access	RDM 3.8/22.2.8.3
6.10	Alignment control note on all plan sheets	
6.11	Medians designed in accordance with Section 7.4 of the RDM?	RDM 7.4
6.12	Access management is consistent throughout corridor?	RDM 3.8.2
6.13	Channelization designed in accordance with Section 9.6 of the RDI	M? RDM 9.6
6.14	Construction limits shown	RDM 12.1.6/22.2.8.9
6.15	NPDES lines shown	RDM 12.1.5.2/22.2.8.10
6.15.1	Includes temporary conditions (e.g. for temporary traffic conti	rol)
6.16	BCA lines shown	RDM 12.1.15

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6.17	Top of curb profiles included	RDM 22.2.9.1
6.17.1	TOC profiles match cross sections	
6.18	Earth retaining structures shown on plans	
	Locations	
6.19	New box culverts & culvert extensions shown	
	Locations	
6.20	Roadway design has been coordinated with a geotechnical engineer	
Travel	way widths	RDM 22.2.8.6
6.20	Lane widths tie to existing at beginning and end of project	
6.21	Shown at beginning and end of each sheet	
6.22	Shown at beginning and end of tapers	
6.23	Pluses (+) shown at beginning and end	
6.24	Consistent with typical section(s)	
Sight D	Distances - Check horizontally and vertically	
6.25	Stopping Sight Distance	RDM 4.1
6.26	Intersection sight distance	
6.27	Passing Sight Distance	RDM 4.2
6.28	Decision Sight Distance	RDM 4.3
6.29	Roundabouts	RDM 4.5
ROW D	Data	
6.30	Property lines shown	RDM 22.2.6.1.4
6.31	Tracts numbered	RDM 12.2.1
6.32	Right of way labeled at beginning and end of each sheet	
6.33	Station-Offset given for shifts and at beginning and end of tapers for preROW	sent RDM 22.2.6.1.1
6.34	Station-Offset given for shifts and at beginning and end of tapers for new ROW	v
6.35	Label right of way at breaks/shifts in present right of way	
6.36	Label right of way at breaks/shifts in new right of way	
6.37	ROW included for sight triangle areas	RDM 12.1.8
6.38	ROW included for infall/outfall ditches	RDM 12.1.11
6.39	ROW inlcuded for signal equipment areas	PCDM - 13
6.40	Station-Offset text shown (if not on separate sheet)	RDM 21.1.2
6.41	Additional ROW acquired for bridge sites	RDM 12.1.14
6.42	ROW	
6.43	Sufficient space provided between construction limits and existing/new for construction activities	ROW RDM 12.1.4
Roadsi	de Safety	RDM 2.2.11/7.3.1
6.44	Length of need checked Road:	side Design Guide 5.6.4
6.45	Appropriate end treatments shown on plans	0
6.46	Cross sections checked for barrier warrents	

6.46.1	Necessary - Slopes cannot strategically be flattened via permissions, new right of way, etc.	
6.47	Transverse slopes at side roads and median breaks protected as necessary	
6.48	Other special features - driveway openings, retrofits, pipe beveling, noise walls,	etc.
6.49	All blunt ends within clear zone are protected (walls, bridges)	
Roadw	ay Drainage	RDM 3.10/22.2.7.4
6.50	Superelevation transitions checked for flat spots in curb profiles?	RDM 5.3.9
6.51	Check against DFR plan recommendations	
6.52	Catch basins placed in sags for curb curb & gutter or valley gutter sections	RDM 3.10.3.2
6.53	Structures (i.e. culvert agrees with culvert details)	RDM 3.10.3.6
6.54	Cross line pipes 48" or greater shown on profile	RDM 22.2.8.11
6.55	Hydro data provided for bridges and culverts larger than 48"	
6.56	Dams - Ensure dams are not being constructed within SCDOT right of way	
6.57	Proper drainage tables and link ID's are provided in plans	RDM 22.2.8.11
6.58	Bridge drainage designed in accordance with PCDM 16 and shown on plans	RDM 3.10.3.7
Interch	anges RDM Section	n 3.8.4.3
6.59	Taper rates for taper style ramp are between 2 and 5 degrees	RDM 10.4.1.2
6.60	Deceleration lane lengths correct	RDM 10.4.1.3
6.61	Accelleration lane lengths correct	
6.62	Cross slope rollover at gores meets RDM section 10.4.1.6	RDM 10.4.1.6
6.63	Gore areas drawn	RDM 10.4.1.8
Interse	ctions	
6.64	Offset intersection legs comply with RDM Section 9.2.6.3	RDM 9.2.6.3
6.65	Lane movements tie across intersection	
6.66	Intersection spacing is consistent with RDM Section 9.2.3	RDM 9.2.3
6.67	Angle of intersection is consistent with RDM Section 9.2.6.2	RDM 9.2.6.2
6.68	Intersection realignment is consistent with RDM Figure 9.2-C	RDM Figure 9.2-C
6.69	Throat widths with adequate taper tie-in (designed in accordance with proper design vehicle)	
6.70	Specify signal pole and cabinet location	PCDM - 13
6.71	Minimum size of channelizing islands is met	RDM 9.6.3
Design V	ehicle Selection	RDM 3.7/9.2.5
6.72	Turning radii depicted on plans at all major intersections	
6.73	For new curb/gutter being introduced, verify adequate design vehicle(s) can access intersections/drives	n
Auxiliary	lanes	
6.74	Storage length shown and clearly labeled	RDM 9.5.2.2
6.75	Tapers shown and clearly labeled	RDM Figure 9.5-I
6.76	Widths shown and clearly labeled	RDM 7.2.6.1/9.5.2.1
6.77	Offset Lanes shown and clearly labeled	RDM 9.5.3
6.78	Dual-Turn Lanes shown and clearly labeled	RDM 9.5.4

Roun	dabouts	RDM 9.7
6.79	Design Considerations	RDM 9.7.4
6.80	R1-R5 Verification NCHRP Rep	ort 672 6.7
Bike/	Ped Accommodations	
6.81	Minimum PAR maintained	
6.81.1	No signs, poles, hydrants, etc. allowed within PAR	RDM 7.3.3
6.81.2	Must be maintained through ALL driveways, alleys, etc.	
6.82	Sidewalk ties to existing sidewalk or ends at logical termini (intersections, major area attractions)	RDM 7.3.3
6.83	Crosswalks shown	
6.84	Sidewalk breaks and radius turns are shown at driveways correctly	
6.85	SUP is separated from pavement of nearest travel way or a suitable barrier is used	
6.86	Are bike lanes terminated per AASHTO 2012 Bike Guide (if not tied to existing bike lanes)	
(Comments:	
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	Profiles	
6A.1	K-values meet required minimum values (appropriate curve lengths)	RDM 6.5
6A.2	Vertical clearances meet minimums	RDM 6.6/7.5.1.2
6A.3	Grades are equal to or below maximum grade	RDM 6.3.1
6A.4	Grades are equal to or above minimum grade	RDM 6.3.2
6A.5	Critical length of grade checked	RDM 6.3.3
6A.6	Existing ground profile shown and labeled	RDM 22.2.8.12
6A.7	Centerline elevations agree with cross sections	

6A.8 Vertical alignment ties at beginning and end of project

Side Roads		RDM 9.2.7
6A.9	Landing Area/Approach grade	RDM 9.2.7.1
6A.10	Sag/Crest Breaks	RDM Figures 9.2-F & 9.2-G
6A.11	Buffer between mainline and 1st side road vertical curve	RDM Figures 9.2-F & 9.2-G
6A.12	Intersection Sight Distance (ISD)	RDM 4.4
6A.13	Vertical Profile	RDM 9.2.7.3
Comme	nts:	

Cross S	ections	RDM 21.1.10
XS.1	Reference Data Sheet	RDM 22.2.21
XS.2	Clear zone is provided throughout project	Roadside Design Guide Table 3-1
XS.3	Consistent with typical sections(s) - rates, widths, cross slopes, dep	ths
XS.4	Consistent with plan view - widths, presence of turn lanes, ditches,	guardrail
XS.5	Consistent with profile(s) - elevations	
XS.6	Labels for present and new right of way shown	
XS.7	Minimum depth of ditches	
XS.8	Cross line pipes shown	RDM 22.2.21
XS.9	Station equalities labeled	RDM 22.2.21
XS.10	Bridge station limits labeled	RDM 22.2.21
XS.11	Major drives shown	RDM 22.2.21
XS.12	Matchlines shown for intersecting roads	RDM 22.2.21
XS.13	Guardrail/concrete barrier shown	RDM 22.2.21
XS.14	Shoulder width and taper accounted for at end treatments	
XS.15	Earth retaining structures shown	
Commen	ts:	

-					
	-	-	-	10.0	
G					
-	<u> </u>		<u> </u>		

G.1	Freeway (See AASHTO Interstate Guide)	
G.2	Project has been reviewed for design consistency within the roadway corridor	RDM 2.2.7
G.3	All utility relocations notes/reviewed. Utilities outside clear zone, do not conflict with drainage or PAR	
G.4	Detour plans included if applicable	
G.5	SCDOT Standard Drawings are not duplicated in plan set	
G.6	Bike/ped. design is consistent with local/regional plans	
	Comments:	

	ADA Considerations
Sidewall	k
ADA.1	Is the sidewalk width 5 foot (60") exclusive of curb?
ADA.2	Where sidewalk width is less than 5 feet, are passing zones (60" x 60") provided at intervals no greater than every 200 feet?
ADA.3	Are sidewalks adjacent to steep longitudinal grades?
ADA.3.1	If yes, are handrails provided?
ADA.4	Are there protruding objects located in the sidewalk (ex: utility poles, mailboxes, signal poles, signs, etc.)?
Ramps a	ind Roadway Crossings
ADA.5	Ramps are free from obstacles
ADA.6	Ramps are perpendicular to the curb
ADA.7	Ramps are placed at each end and in-line with crosswalk
ADA.8	Crosswalks are perpendicular to the lanes
ADA.9	Stop bars are located a minimum of 4 feet from the crosswalk
ADA.10	Pedestrian push buttons are located 10 feet maximum from the curb and accessible
ADA.11	Construction notes on roadway plans include detectable warning surfaces placement
ADA.12	Ramps are located to minimize pedestrian exposure to traffic
ADA.13	Ramps are located outside of low points where ponding could occur
ADA.14	If the project includes multi-use trails, is the ramp width equal to the width of the trail?
ADA.15	If the project includes multi-use trails, is the crosswalk width equal to the width of the trail?
Median	Treatments
ADA.16	Is the minimum median width for pedestrian refuge 6 feet from face of curb to face of curb?
ADA.17	Is a 4-foot minimum clear width for pedestrian travel provided on cut through and ramped medians?
ADA.18	Are median ramp slopes 12:1 maximum?
ADA.19	Is a level area measuring 4 feet wide by 4 feet long provided when using a ramped median?
Accessib	le Pedestrian Signals (APS)
ADA.20	Are pedestrian signals being replaced or installed within the limits of the project?
ADA.20.1	If yes, are Accessible Pedestrian Signals included?
Protrudi	ng Objects
ADA.21	Are any objects mounted to a fixed structure between 27" and 80" above the ground?
ADA.21.1	If yes, do the objects extend more than 4" from the fixed structure into the sidewalk?

Inlets	
ADA.22	Is there an inlet in the cross walk or landing area?
ADA.22.2	If yes, are the gaps less than $\frac{1}{2}$ " wide and placed perpendicular to the pedestrian travel way?
ADA.22.3	If not, can the ramp be relocated?
Misce	ellaneous
ADA.23	Is enough detail included to construct all ADA features properly?
ADA.24	Do plans include handicapped accessible Maintenance of Pedestrian Access plans?
(Comments:



Proje	ct ID: Consultant/RPG:	Date:
Со	unty: Description:	
	Conduct DFR Perform Constructability Review	RDM 21.1.5
Title Sl	neet	
1.1	County, Project ID, Description, and Scope consistent with P2S	RDM 22.1.4/22.2.1
1.2	Road Number labeled on Title Sheet	RDM 22.2.2
1.3	Map properly depicts location	RDM 22.2.2
1.3.1	Location Map Labels (County or Town/City of)	RDM 22.2.2
1.3.2	Project area clearly highlighted on map	RDM 22.2.2
1.3.3	Ensure scale is accurately shown and labeled	RDM 22.2.2
1.4	Design Reference Year/Hydraulic Design Reference year is appropriate forDepartment practices	RDM 22.2.2
1.5	Traffic data (current and design year) for each road	RDM 22.2.2
1.5.1	Design year selection	RDM 3.6.2
1.6	Project location and description	RDM 22.2.2
1.7	North arrow shown	RDM 22.2.2
1.8	Index with Subtotals and Total Sheets or note to IL1	RDM 22.1.3/22.2.2
1.8.1	If IL1 is noted, ensure IL1 Sheet is provided	
1.9	Longitude and Latitude	RDM 22.2.2
1.10	Railroad involvement indicated	RDM 22.2.2
1.11	Environmental Permit Information Completed	RDM 22.2.2
1.12	NPDES Permit Information Provided	RDM 12.1.5.3/22.2.2
1.13	Check Beginning and Ending Station Notes on Location Map Agree with each	h of the following:
1.13.1	Typical Section	
1.13.2	Plans	
1.13.3	Profiles	
1.13.4	Cross Sections	
1.13.5	Include arrows indicating "Begin" and "End" of project survey(s)	RDM 22.2.2
1.14	Ensure notes for bridges/culverts and notes for exceptions agree with:	
1.14.1	Typical Section	
1.14.2	Plans	
1.14.3	Profiles	

1.14.4	Cross Sections	
1.14.5	Note: "Bridge plans bound under separate cover"	
1.15	Check length of Project	
1.15.1	Show length(s) in thousandths for each mainline survey (side roads, connectors, ramps, etc.)	
1.15.2	Calculate and provide detour mileage if applicable	RDM 22.2.2
1.15.3	Show total mileage if multiple roads/alignments	RDM 22.2.2
1.15.4	Check for exceptions of roadway	RDM 22.2.2
1.15.5	Show equalities in stationing (agrees with plans)	RDM 22.2.2
1.16	RPG Number/Group Coordinator Initials & Initials of Preparer	
Cor	nments:	

Inde	Index Layout Sheet (if used)			
IL.1	Index accurate based on information included in plans	RDM 22.2.3		
IL.2	All sheets to be included in final set are shown in index, including "omitted" sheets	RDM 22.2.3		
	Comments:			

Summary of Estimated Quantities

RDM CHAPTER 20

Verified quantites for project, including, but not limited to

- Q.1 Earthwork
- Q.2 Fine grading
- Q.3 Pavement quantities
- Q.5 Roadside barriers
- Q.6 Traffic items
- Q.7 Rumble Strips
- Q.8 Drainage
- Q.9 R/W plats and monuments
- Q.10 Geotechnical
- Q.11 Stablized construction entrance
- Q.12 Seeding
- Q.13 Clearing and grubbing
- Q.14 Pedestrian ramps
- Q.15 Prime coat
- Q.16 SEQ = Plan Quantities + Inclusions

Турі	cal Section					RDM 22.2.5
Gen	eral					
3.1	Do station limits	agree with pla	an(s) and cross	section(s)?		RDM 22.2.5.4/22.2.7.2
3.2	Is profile grade li	ne location sh	own?			RDM 6.2.3.2
3.3	Functional classi	fication provid	ed			RDM 22.2.5.9
3.3.1	Local Roads	and Streets (g	roup number a	also for local ro	outes)	RDM 14
3.3.2	Collector Ro	ads and Stree	ts			RDM 15
3.3.3	Rural and U	rban Arterials				RDM 16
3.3.4	Freeways					RDM 17
3.4	Sidewalk separat	ed from trave	I lane by curb c	or grassed space	ce	RDM 7.3.3
3.5	Base 0.5' wider t	han surface/ir	ntermediate (no	on-curb/gutter	r)	
3.6	"NTS" if not to so	ale				RDM 22.2.5.1
3.7	Ditch note allow	ing variable di	tch where appl	icable		RDM Fig. 16.2-A
3.8	Is guardrail note	included if ap	plicable			
3.9	Is on-street park	ing applicable				RDM 7.2.7
3.10	Does shown wid	th of the whol	e section matcl	hes the sum o	f the parts shown?	•
Trav	el & Auxilary Lane	S			🗌 N/A	RDM Chapters 14-17
Are l	ane widths and slo	pes dimensi	oned and ap	propriate fo	r the road type	?
3.11	Travel lanes	🗌 N/A	🗌 Width	Slope	Dimension	
3.12	Auxilary lanes	🗌 N/A	🗌 Width	Slope	Dimension	
3.13	Shared Use Paths	🗌 N/A	🗌 Width	Slope	Dimension	AASHTO Bike Guide
Curb	os (RDM 7.2.8)				🗌 N/A	
3.14	Curb Ramp Note	S				RDM 22.2.5.7
3.15	Curb Types and \	Nidths Approp	oriate			RDM 7.2.8
3.16	Valley Gutter					RDM 7.2.9/11.11.3.7
Shou	Iders (RDM 2.2.9)	/7.2.4.2)			🗌 N/A	
Ares	shoulder widths an	d slopes din	nensioned an	d appropria	te for the road	type?
3.17	Paved Shoulders	🗌 N/A	🗌 Width	Slope	Dimension	
3.18	Earth Shoulders	🗌 N/A	🗌 Width	Slope	Dimension	
3.19	Shared Use Paths	🗌 N/A	🗌 Width	Slope	Dimension	
3.20	Interchange Ramps	🗌 N/A	🗌 Width	Slope	Dimension	RDM 10.5.4
Bike	/Ped (RDM 7.3.3)				🗌 N/A	
Are	widths and slopes a	appropriate	for the road	type and dir	nensioned?	
3.21	Sidewalk	🗌 N/A	🗌 Width	Slope	Dimension	
3.22	Shared Use Paths	🗌 N/A	🗌 Width	Slope	Dimension	
3.23	Bike Lanes	🗌 N/A	🗌 Width	Slope	Dimension	
3.24	Shared Use Lanes	🗌 N/A	🗌 Width	Slope	Dimension	

14115				∐ N/A	
vidths appropriate f	or the road	type and di	men	sioned?	
Flush	🗌 N/A	🗌 Width		Dimensioned	RDM 7.4.2.2
TWLTL	🗌 N/A	🗌 Width		Dimensioned	RDM 7.4.3
Raised Concrete	🗌 N/A	🗌 Width		Dimensioned	RDM 7.4.2.3
Raised Planted	🗌 N/A	🗌 Width		Dimensioned	RDM 7.4.2.3
Earthen Depressed	🗌 N/A	🗌 Width		Dimensioned	RDM 7.4.2.4
r					
Do bridge widths matc	h approach se	ctions?		🗌 N/A 🗌 Yes	RDM 7.5.1.1
Fill Heights	Fill Height Tal	ole		2:1s labeled as 2:1 Max	RDM 7.3.2.2
Design Speed	Roadway	SUP		Roundabout	RDM 22.2.5.8, 3.5.1
Flat Bottom Ditches		Labeled			RDM 22.2.5.2
Ensure shown width of	the whole sec	ction matches	the s	sum of the parts shown	
ment Design					
Design included					RDM 22.2.5.3
Approved by Pave	ment Design E	ingineer with	in last	:	RDM 21.1.8
three years. Provi	ide memo/e-m	nail to QA.			
Reviewed against	DFR plan revie	w recommer	idatio	ns	
Widths and thickn	ess/rate of ma	nterial agrees	with	plans and cross sections	
Pavement legend	agrees with O	MR or DFR			
Asphalt materials	comply with g	uidelines for	HMA	Selection (Latest version)	
Graded Aggregate	Bases (Should	not be used	in are	eas with 6' or less width) (requ	uires note)
Comments:					
	vidths appropriate f Flush TWLTL Raised Concrete Raised Planted Earthen Depressed r Do bridge widths matc Fill Heights Design Speed Flat Bottom Ditches Ensure shown width of ment Design Design included Approved by Pave three years. Provi Reviewed against Widths and thickn Pavement legend Asphalt materials Graded Aggregate Comments:	vidths appropriate for the road of Flush N/A Flush N/A TWLTL N/A Raised Concrete N/A Raised Planted N/A Earthen Depressed N/A r Do bridge widths match approach set Fill Heights Fill Height Tak Design Speed Roadway Flat Bottom Ditches Ensure shown width of the whole set ment Design Design included Approved by Pavement Design E three years. Provide memo/e-m Reviewed against DFR plan revie Widths and thickness/rate of ma Pavement legend agrees with Of Asphalt materials comply with g Graded Aggregate Bases (Should Comments: Comments:	vidths appropriate for the road type and di Flush N/A Width TWLTL N/A Width Raised Concrete N/A Width Raised Planted N/A Width Earthen Depressed N/A Width To bridge widths match approach sections? Fill Height Table Do bridge widths match approach sections? Fill Height Table Design Speed Roadway SUP Flat Bottom Ditches Labeled Ensure shown width of the whole section matches ment Design Design included Approved by Pavement Design Engineer within three years. Provide memo/e-mail to QA. Reviewed against DFR plan review recomment Widths and thickness/rate of material agrees Pavement legend agrees with OMR or DFR Asphalt materials comply with guidelines for I Graded Aggregate Bases (Should not be used Comments:	vidths appropriate for the road type and dimension Flush N/A Width TWLTL N/A Width Raised Concrete N/A Width Raised Planted N/A Width Earthen Depressed N/A Width Earthen Depressed N/A Width Do bridge widths match approach sections? Fill Heights Fill Height Table Design Speed Roadway SUP Flat Bottom Ditches Labeled Ensure shown width of the whole section matches the sement Design memo/e-mail to QA. Reviewed against DFR plan review recommendation Widths and thickness/rate of material agrees with Pavement legend agrees with OMR or DFR Asphalt materials comply with guidelines for HMA Graded Aggregate Bases (Should not be used in are commendation) Comments:	vidths appropriate for the road type and dimensioned? Flush N/A Width Dimensioned TWLTL N/A Width Dimensioned Raised Concrete N/A Width Dimensioned Raised Planted N/A Width Dimensioned Raised Planted N/A Width Dimensioned Earthen Depressed N/A Width Dimensioned r r r Pobridge widths match approach sections? N/A Yes Fill Heights Fill Height Table 2:1s labeled as 2:1 Max Design Speed Roadway SUP Roundabout Flat Bottom Ditches Labeled Ensure shown width of the whole section matches the sum of the parts shown ment Design Design included Approved by Pavement Design Engineer within last three years. Provide memo/e-mail to QA. Reviewed against DFR plan review recommendations Widths and thickness/rate of material agrees with plans and cross sections Pavement legend agrees with OMR or DFR Asphalt materials comply with guidelines for HMA Selection (Latest version) Graded Aggregate Bases (Should not be used in areas with 6' or less width) (requicements:

Righ	t of Way Data Sheet	RDM 22.2.6.1
4.1	Required and included in plans	RDM 22.2.6
4.2	Tract numbers agree with Property Strip Map and Plan sheets	RDM 22.2.6.1
4.3	Ensure compliance with Notes A and B on ROW Data Sheet	
4.4	Permissions noted and accurate	RDM 12.2.6
4.5	New ROW included and accurate	RDM X.X.X
	Comments:	

4A.1	Tracts numbered	RDM 22.2.6.2
4A.2	Property Closures	RDM 12.2.3/22.2.6.2
4A.3	Present and new right of way clearly noted	RDM 22.2.6.2
4A.3.1	Agrees with plans	
4A.3.2	Drawn to reflect correct offset from CL with labels at all ROW line breaks	
4A.4	Readable at half-size	
Сог	mments:	

Genera	l Construction Notes	
5.1	Descriptions clearly specify work type and placement	RDM 22.2.7.1
5.2	Units correct and match SEQ	
5.3	Inclusions reflected in SEQ totals	RDM 22.2.4.1.2
5.4	General Construction Note included	RDM 22.2.7.1
	Reference Data Sheet	
5A.1	Curve Data	RDM 22.2.7.3
5A.1.1	Includes PI, Δ, Degree, Tangent, Length, External, Radius, Design Speed, eMax, e, PC/PT-LG%	RDM Figure 22.2-D
5A.3	Design speeds consistent with typical sections	
5A.4	Horizontal curves meet minimum radius	
5A.5	Horizontal curves meet minimum lengths	RDM 5.2.5
5A.6	Tangent length between curves is adequate (Reverse Curves)	RDM 5.2.2.4/5.3.7
Con	nments:	

Surv	ey Control Data Sheet	PCDM-08
5B.1	Required	
5B.2	Datum Defined (with a Combined Scale Factor (CSF) included)	
5B.3	Project survey control coordinate and elevation information provided	
	Comments:	

Plan Sł	ieets	
Genera	I RDI	M Section 3.8.4.3
6.1	Utility Owners note on first plan sheet	RDM 22.2.7.2
6.2	All right of way properly verified	
6.2.1	"Present" Heading	RDM 12.1.2/22.2.6.1.1
6.2.2	"New" Heading	RDM 22.2.6.1.2
6.3	North arrow on all plan sheets	RDM 22.2.8.21
6.4	Match lines shown are in agreement with station alignments and appr	ropriate pages
6.5	Bearings provided on all plan sheets,	RDM 22.2.8.21
6.6	PI's do not exceed maximum without a curve	RDM 5.2.4
6.7	Relocated centerline notes provided	
6.8	Are transition tapers shown and labeled?	
6.9	Label Existing & Proposed Control of Access	RDM 3.8/22.2.8.3
6.10	Alignment control note on all plan sheets	
6.11	Medians designed in accordance with Section 7.4 of the RDM?	RDM 7.4
6.12	Access management is consistent throughout corridor?	RDM 3.8.2
6.13	Channelization designed in accordance with Section 9.6 of the RDM?	RDM 9.6
6.14	Construction limits shown	RDM 12.1.6/22.2.8.9
6.15	NPDES lines shown	RDM 12.1.5.2/22.2.8.10
6.15.1	Includes temporary conditions (e.g. for temporary traffic control)	
6.16	BCA lines shown	RDM 12.1.15
6.17	Top of curb profiles included	RDM 22.2.9.1
6.17.1	TOC profiles match cross sections	
6.18	Earth retaining structures shown on plans	
	Locations	
6.19	New box culverts & culvert extensions shown	
	Locations	
6.20	Roadway design has been coordinated with a geotechnical engineer	
Travelw	vay widths	RDM 22.2.8.6
6.20	Lane widths tie to existing at beginning and end of project	
6.21	Shown at beginning and end of each sheet	
6.22	Shown at beginning and end of tapers	
6.23	Pluses (+) shown at beginning and end	
6.24	Consistent with typical section(s)	

Sight [Distances - Check horizontally and vertically	
6.25	Stopping Sight Distance	RDM 4.1
6.26	Intersection sight distance	·
6.27	Passing Sight Distance	RDM 4.2
6.28	Decision Sight Distance	RDM 4.3
6.29	Roundabouts	RDM 4.5
ROW	Data	
6.30	Property lines shown	RDM 22.2.6.1.4
6.31	Tracts numbered	RDM 12.2.1
6.32	Right of way labeled at beginning and end of each sheet	
6.33	ROW	RDM 22.2.6.1.1
6.34	Station-Offset given for shifts and at beginning and end of tapers for ne	ew ROW
6.35	Label right of way at breaks/shifts in present right of way	
6.36	Label right of way at breaks/shifts in new right of way	
6.37	ROW included for sight triangle areas	RDM 12.1.8
6.38	ROW included for infall/outfall ditches	RDM 12.1.11
6.39	ROW inlcuded for signal equipment areas	PCDM - 13
6.40	Station-Offset text shown (if not on separate sheet)	RDM 21.1.2
6.41	Additional ROW acquired for bridge sites	RDM 12.1.14
6.42	Walls with backfill or reinforced backfill requiring easement or addition	nal ROW
6.43	Sufficient space provided between construction limits and existing/nev for construction activities	v ROW RDM 12.1.4
Roads	ide Safety	RDM 2.2.11/7.3.1
6.44	Length of need checked Ro	oadside Design Guide 5.6.4
6.45	Appropriate end treatments shown on plans	
6.46	Cross sections checked for barrier warrents	
6.46.1	Necessary - Slopes cannot strategically be flattened via permission of way, etc.	ns, new right

- 6.47 Transverse slopes at side roads and median breaks protected as necessary
- 6.48 Other special features driveway openings, retrofits, pipe beveling, noise walls, etc.
- 6.49 All blunt ends within clear zone are protected (walls, bridges)

Roadwa	y Drainage	RDM 3.10/22.2.7.4
6.50	Superelevation transitions checked for flat spots in curb profiles?	RDM 5.3.9
6.51	Check against DFR plan recommendations	
6.52	Catch basins placed in sags for curb curb & gutter or valley gutter sections	RDM 3.10.3.2
6.53	Structures (i.e. culvert agrees with culvert details)	RDM 3.10.3.6
6.54	Cross line pipes 48" or greater shown on profile	RDM 22.2.8.11
6.55	Hydro data provided for bridges and culverts larger than 48"	
6.56	Dams - Ensure dams are not being constructed within SCDOT right of way	
6.57	Proper drainage tables and link ID's are provided in plans	RDM 22.2.8.11
6.58	Bridge drainage designed in accordance with PCDM 16 and shown on plans	RDM 3.10.3.7
Intercha	nges RDM Section	n 3.8.4.3
6.59	Taper rates for taper style ramp are between 2 and 5 degrees	RDM 10.4.1.2
6.60	Deceleration lane lengths correct	RDM 10.4.1.3
6.61	Accelleration lane lengths correct	
6.62	Cross slope rollover at gores meets RDM section 10.4.1.6	RDM 10.4.1.6
6.63	Gore areas drawn	RDM 10.4.1.8
Intersec	tions	
6.64	Offset intersection legs comply with RDM Section 9.2.6.3	RDM 9.2.6.3
6.65	Lane movements tie across intersection	
6.66	Intersection spacing is consistent with RDM Section 9.2.3	RDM 9.2.3
6.67	Angle of intersection is consistent with RDM Section 9.2.6.2	RDM 9.2.6.2
6.68	Intersection realignment is consistent with RDM Figure 9.2-C	RDM Figure 9.2-C
6.69	Throat widths with adequate taper tie-in (designed in accordance with proper design vehicle)	
6.70	Specify signal pole and cabinet location	PCDM - 13
6.71	Minimum size of channelizing islands is met	RDM 9.6.3
Design Ve	hicle Selection	RDM 3.7/9.2.5
6.72	Turning radii depicted on plans at all major intersections	
6.73	For new curb/gutter being introduced, verify adequate design vehicle(s) can access intersections/drives	
Auxiliary l	anes	
6.74	Storage length shown and clearly labeled	RDM 9.5.2.2
6.75	Tapers shown and clearly labeled	RDM Figure 9.5-I
6.76	Widths shown and clearly labeled	RDM 7.2.6.1/9.5.2.1
6.77	Offset Lanes shown and clearly labeled	RDM 9.5.3
6.78	Dual-Turn Lanes shown and clearly labeled	RDM 9.5.4

Rour	ndabouts	RDM 9.7
6.79	Design Considerations	RDM 9.7.4
6.80	R1-R5 Verification NCHRP Re	port 672 6.7
Bike/	/Ped Accommodations	
6.81	Minimum PAR maintained	
6.81.1	No signs, poles, hydrants, etc. allowed within PAR	RDM 7.3.3
6.81.2	2 D Must be maintained through ALL driveways, alleys, etc.	
6.82	Sidewalk ties to existing sidewalk or ends at logical termini (intersections, major area attractions)	RDM 7.3.3
6.83	Crosswalks shown	
6.84	Sidewalk breaks and radius turns are shown at driveways correctly	
6.85	SUP is separated from pavement of nearest travel way or a suitable barrier is used	
6.86	Are bike lanes terminated per AASHTO 2012 Bike Guide (if not tied to existing bike lanes)	
-	Comments:	
-		

	Profiles	
6A.1	K-values meet required minimum values (appropriate curve lengths)	RDM 6.5
6A.2	Vertical clearances meet minimums	RDM 6.6/7.5.1.2
6A.3	Grades are equal to or below maximum grade	RDM 6.3.1
6A.4	Grades are equal to or above minimum grade	RDM 6.3.2
6A.5	Critical length of grade checked	RDM 6.3.3
6A.6	Existing ground profile shown and labeled	RDM 22.2.8.12
6A.7	Centerline elevations agree with cross sections	
6A.8	Vertical alignment ties at beginning and end of project	
Side F	Roads	RDM 9.2.7
6A.9	Landing Area/Approach grade	RDM 9.2.7.1
6A.10	Sag/Crest Breaks	RDM Figures 9.2-F & 9.2-G
6A.11	Buffer between mainline and 1st side road vertical curve	RDM Figures 9.2-F & 9.2-G
6A.12	Intersection Sight Distance (ISD)	RDM 4.4
6A.13	Vertical Profile	RDM 9.2.7.3
Comments:		

Cross S	Sections	RDM 21.1.10
XS.1	Reference Data Sheet	RDM 22.2.21
XS.2	Clear zone is provided throughout project	Roadside Design Guide Table 3-1
XS.3	Consistent with typical sections(s) - rates, widths, cross slopes, o	depths
XS.4	Consistent with plan view - widths, presence of turn lanes, ditch	nes, guardrail
XS.5	Consistent with profile(s) - elevations	
XS.6	Labels for present and new right of way shown	
XS.7	Minimum depth of ditches	
XS.8	Cross line pipes shown	RDM 22.2.21
XS.9	Station equalities labeled	RDM 22.2.21
XS.10	Bridge station limits labeled	RDM 22.2.21
XS.11	Major drives shown	RDM 22.2.21
XS.12	Matchlines shown for intersecting roads	RDM 22.2.21
XS.13	Guardrail/concrete barrier shown	RDM 22.2.21
XS.14	Shoulder width and taper accounted for at end treatments	
XS.15	Earth retaining structures shown	
Commer	 hts:	

General	1
Genera	

G.1	Freeway (See AASHTO Interstate Guide)	
G.2	Project has been reviewed for design consistency within the roadway corridor	RDM 2.2.7
G.3	All utility relocations notes/reviewed. Utilities outside clear zone, do not conflict with drainage or PAR	
G.4	Detour plans included if applicable	
G.5	SCDOT Standard Drawings are not duplicated in plan set	
G.6	Bike/ped. design is consistent with local/regional plans	
	Comments:	

	ADA Considerations
Sidew	alk
ADA.1	Is the sidewalk width 5 foot (60") exclusive of curb?
ADA.2	Where sidewalk width is less than 5 feet, are passing zones (60" x 60") provided at intervals no greater than every 200 feet?
ADA.3	Are sidewalks adjacent to steep longitudinal grades?
ADA.3.1	If yes, are handrails provided?
ADA.4	Are there protruding objects located in the sidewalk (ex: utility poles, mailboxes, signal poles, signs, etc.)?
Ramp	s and Roadway Crossings
ADA.5	Ramps are free from obstacles
ADA.6	Ramps are perpendicular to the curb
ADA.7	Ramps are placed at each end and in-line with crosswalk
ADA.8	Crosswalks are perpendicular to the lanes
ADA.9	Stop bars are located a minimum of 4 feet from the crosswalk
ADA.10	Pedestrian push buttons are located 10 feet maximum from the curb and accessible
ADA.11	Construction notes on roadway plans include detectable warning surfaces placement
ADA.12	Ramps are located to minimize pedestrian exposure to traffic
ADA.13	Ramps are located outside of low points where ponding could occur
ADA.14	If the project includes multi-use trails, is the ramp width equal to the width of the trail?
ADA.15	If the project includes multi-use trails, is the crosswalk width equal to the width of the trail?
Media	an Treatments
ADA.16	Is the minimum median width for pedestrian refuge 6 feet from face of curb to face of curb to face of curb?
ADA.17	Is a 4-foot minimum clear width for pedestrian travel provided on cut through and ramped medians?
ADA.18	Are median ramp slopes 12:1 maximum?
ADA.19	Is a level area measuring 4 feet wide by 4 feet long provided when using a ramped median?
Acces	sible Pedestrian Signals (APS)
4.0.4.20	And nodestrian signals being realized or installed within the limits of the project?

ADA.20 Are pedestrian signals being replaced or installed within the limits of the project?

ADA.20.1 If yes, are Accessible Pedestrian Signals included?

Protruding Objects

ADA.21 Are any objects mounted to a fixed structure between 27" and 80" above the ground?

ADA.21.1	If yes, do the objects extend more than 4" from the fixed structure into the sidewalk?
Inlets	
ADA.22	Is there an inlet in the cross walk or landing area?
ADA.22.2	If yes, are the gaps less than $\prime\!$
ADA.22.3	If not, can the ramp be relocated?
Misce	Ilaneous
ADA.23	Is enough detail included to construct all ADA features properly?
ADA.24	Do plans include handicapped accessible Maintenance of Pedestrian Access plans?
C	Comments:

Landscaping Plans		
L.1	All items shown, described and quantified on plans	RDM 22.2.12
L.2	Clear zone maintaineed	
L.3	Sight distances unobscured	
L.4	Consistent with SCDOT environmental, maintenance, and qualitiy principles	RDM 11.3
L.5	Consistent with SCDOT Vegitation Management Guidelines	
L.6	Consistent with American Standards for Nursery Stock	