



DelDOT - Entrance Plan Review Checklist

Project Name: _____

Project Id.: _____

Tax Parcel No.: _____
(Lowest Numerical Tax Parcel I.D.)

Date: _____

Effective: 02/18/2021

Comment Ref No.	Checklist Topic/Content	Manual Ref.	Item addressed	Justifications are Required if: N or N/A
SECTION 1: GENERAL REQUIREMENTS				
1.1	All fees, contributions and calculations have been completed and have been paid at a time of submittal, including: 1. Construction Stage Fee. 2. Area Wide Study Fee. 3. Transportation Improvement District. 4. Capital Transportation Improvement Contributions, or Sidewalk Fee In-Lieu of Construction.	4.3 & 2.2.2.2		
1.2	All supporting plans including Signal/Lighting/ITMS Plans have been coordinated through Traffic Design Submissions. All plans must be included in the Final Entrance Plan for Approval.	5.13, 5.14 & 5.17		
SECTION 2: TRAFFIC IMPACT STUDY (TIS)/TRAFFIC OPERATIONAL ANALYSIS (TOA)				
2.1	If projects are to be phased, Offsite Improvements are required per a TIS/TOA or otherwise applicable to project, signed Letter Agreement (LA) must be provided and executed prior to final approval being issued.	2.2.1.1 & 2.5.2		
2.2	If applicable to project, signed Level II Construction Agreement must be provided and executed prior to the preconstruction meeting. Please note that there are additional costs associated with a Level II Construction Agreement.	Fig. 6.4.3-a		
SECTION 3: ENTRANCE PLAN TITLE SHEET CONTENT				
3.1	Title & Data Blocks Ensure the title and data blocks contain the following information: 1. DelDOT Project ID number. 2. Name of proposed business/ subdivision. 3. Name of town/hundred and county. 4. Maintenance number of highway being accessed. 5. Graphic scale. 6. Date of current submission and all revised dates. 7. Name, address, of owner and engineer or surveyor preparing the plan. 8. Signature and Seal of engineer or surveyor (Delaware licensed). 9. Owner's signature (final Plan only). 10. Type of business. 11. Tax parcel number(s). 12. Gross acreage of property. 13. Number of Subdivision Lots or Approximate gross leasable floor plan area. 14. Parking spaces required. 15. Parking spaces provided. 16. Local government responsible for land use approval.	4.4.2.A & 4.4.2.B		
3.2	Location map showing the relationship of the site to existing State-maintained roadways.	4.4.2.B.7		
3.3	DelDOT Notes DelDOT General Notes are shown and dated on Title Sheet or Notes Sheet. Include any DelDOT related Additional Notes applicable to your project.	4.4.2.B.9		

SECTION 4: GENERAL PLAN REQUIREMENTS				
4.1	Legend illustrating existing and proposed features (symbols, line types, etc.) used in the plan set.	4.4.2.B.11		
4.2	North arrow, with correct orientation labeled, in all plan views on all sheets in the plan set.	4.4.2		
4.3	<p>Existing / Proposed Features</p> <p>Ensure the following items are shown (based on actual field surveys), dimensioned and labeled and provide date of survey on the plans:</p> <ol style="list-style-type: none"> 1. Buildings 2. Structures 3. Centerline Stationing of Frontage Road(s) 4. Curbs 5. Curb ramps 6. Trees 7. Designated wetlands 8. Water bodies 9. Transit facilities, 10. Pedestrian and shared-use pathways 11. Pedestrian crossings 12. Bicycle facilities 13. Utilities 14. Any items that can be seen on the ground or from an aerial perspective and represented on the plan 	4.4.3 & 4.4.1.B		
4.4	Use legible scaling for all relevant line work/symbols used in each of the various plan views.	4.4.1.B		
4.5	Adjacent entrances, opposing entrances and features along both sides of the frontage road are shown, labeled and dimensioned within: 300 feet for roadway with posted speed limit of 35 mph or less. 450 feet for roadway with posted speed limit of 40 mph - 45 mph. 600 feet for roadway with posted speed limit of 50 mph - 55 mph. (See Fig 3.4.2-b, Fig 3.4.2-c and Fig 3.4.2-d)	4.4.3.I		
4.6	Functional Classification and maintenance number are shown on adjacent frontage roadway(s).	4.4.2.A.4		
4.7	Plans include correct auxiliary lane configuration based on the right-turn, bypass, and left-turn requirements from the auxiliary lane spreadsheet approved at the pre-submittal meeting.	4.4.3.V & 5.2.9		
4.8	All lane shift transitions and layouts are shown correctly as per the typical entrance diagram.	5.2		
4.9	All bike accommodations at entrance have been met	Fig. 5.3.2.2-a, 5.2.9.2-b & 5.2.9.3-b		
4.10	Layout of required pedestrian facilities	3.5.4.2, 5.3.1.1, 5.3.4.2.E, 5.3.1.3, 3.2 & 5.3		
SECTION 5: RIGHT OF WAY AND EASEMENTS - STATE MAINTAINED HIGHWAYS				
5.1	Existing and proposed right-of-way, property lines and easements, on each side of the frontage road(s), shown (where applicable), labeled and dimensioned.	4.4.3.A		
5.2	For any additional right-of-way required on adjacent properties; Provide confirmation of dedication and plan recordation (or deed) to achieve the additional requirement. This shall be accomplished prior to plan approval.	4.4.3.A		
5.3	Plan shows right-of-way monumentation along the frontage road right-of-way at property corners and at each change in right-of-way alignment.	3.2.4.2		
5.4	Existing Right-of-Way is shown, dimensioned and labeled on both sides of frontage roads.	4.4.3.A		
5.5	All building set backs are displayed and dimensioned properly.	3.2.6		

SECTION 6: DETAIL SHEET REQUIREMENTS				
6.1	Super-elevation diagrams (when required) shown on detail sheet.	4.3.4.A.2		
6.2	Bridges shown on detail sheet.	4.3.4.A.3		
6.3	Details of non-standard drainage structures shown on detail sheet.	4.3.4.A.4		
SECTION 7: TRAFFIC GENERATION CONTENT				
7.1	Traffic generation diagram shown on title sheet and/or first sheet of entrance plan matches the Record Plan. See Fig. 3.4.2-a	4.4.3.U		
SECTION 8: PAVEMENT DESIGN REQUIREMENTS				
8.1	Pavement sections have been determined and displayed with correct labeling.	5.6		
8.2	Pavement tie-in detail shown on plan set.	5.6.4		
8.3	Entrance pavement section layers meet minimum and maximum depth requirements based on the ADT of the site. Refer to Figure 5.6.2-a 'Pavement Design Chart for Entrances'. Be sure to include item numbers for each type of Bituminous Concrete, which can be found in the Standard Specifications Manual .	5.6.2		
8.4	Structural number (SN) displayed for all pavement section layers.	5.6		
SECTION 9: ENTRANCE PLAN SHEET REQUIREMENTS				
9.1	Existing and proposed pavement edges and material types are shown, labeled and dimensioned.	4.4.3.C		
9.2	Existing and proposed utilities including all DelDOT infrastructure, poles, signs, development signs, etc. are shown, labeled and dimensioned.	4.4.3.D, 4.4.3.M & 4.4.3.W		
9.3	Ensure all above ground utilities meet the minimum Clear Zone and Lateral Offset Requirements per AASHTO's Road Design Guide and DelDOT's DCM Section 5.5.6. All CZ and Lateral Offsets should be clearly depicted in the plan set.	5.5.6		
9.4	Contours showing the elevation of the existing ground shown and labeled within the limits of the topographic survey. The contour interval for various ground slopes shall be shown in accordance with Figure 4.3.5-a. Topography shall extend to the limits as defined in Section 4.3.5.C.	4.4.3.E		
9.5	Proposed and finished grade contours are shown and labeled.	4.4.3.F		
9.6	Location of any existing or proposed median crossovers along frontage roads with divided lanes or channelizing medians are shown, labeled and dimensioned.	4.4.3.G		
9.7	All horizontal roadway curves are shown, labeled and dimensioned. Superelevation Rates, Horizontal Radii, Tangent Runout Lengths, Superelevation Runoff Lengths are correct. Provide engineering calculations as needed.	4.4.3.H		
9.8	Existing and proposed drainage features are shown, dimensioned and labeled.	4.4.3.K & 4.4.3.M		
9.9	Parking layout are shown and labeled.	4.4.3.N		
9.10	The proposed entrance geometry, including entrance radii are shown, dimensioned and labeled. Ensure all items have been reviewed and are correct.	4.4.3.O		
9.11	Centerline stationing for the frontage road(s) are shown, dimensioned and labeled.	4.4.3.P		
9.12	Proposed curb and sidewalk grades are shown and labeled	4.4.3.Q		

9.13	Spot elevations are shown and labeled at 10-foot intervals along the entrance radii. Spot elevations shown and labeled at 25-foot intervals: along the proposed edge of pavement and where the proposed pavement meets the existing pavement, (where the existing State-maintained roadway is to be widened). Corresponding spot elevations of the existing ground shown and labeled, at the edge of proposed pavement, for use in assessing the slopes, grading and total differential associated with the proposed cut and fill depth. Corresponding spot elevations of flow line and top of curb shown and labeled, along curbed sections of entrances and proposed widening.	4.4.3.R		
9.14	Site specific entrance construction details are shown and labeled. (A separate plan sheet may be required for details.) DeIDOT Standard Construction Details shall not be shown on plans.	4.4.3.S		
9.15	Proposed limit of construction is shown, dimensioned and labeled.	4.4.3.T		
9.16	Typical sections, (as defined in Section 4.3.3), are shown and labeled.	4.4.3.Y & 4.3.3		
9.17	Proposed profiles are shown on plans and include, but are not limited to: 1. Horizontal and vertical scale. 2. Vertical curve data. 3. Drainage features. 4. Existing and proposed utilities. 5. Existing and proposed elevations every 50 feet at minimum. 6. Longitudinal grades (%).	4.3.6		
SECTION 10: ENTRANCE DESIGN AND CONSTRUCTION REQUIREMENTS				
10.1	Entrance is aligned perpendicular to the frontage road (or relative angle is no less than 70°).	5.1.3.A		
10.2	Entrance widths and pavement width designs are correct.	Fig. 5.2.4-b		
10.3	Entrance widths and corner radii design are coordinated relative to correct design vehicle.	5.2.4		
10.4	Entrance curb meets DeIDOT radius requirements based on design vehicle and extends 25' past entrance radii.	5.2.5		
10.5	Entrance curb meets DeIDOT height and type requirements based on frontage road speed limit.	5.5.2		
10.6	All channelizing islands at the entrance must meet DeIDOT's minimum sizes and be placed in accordance with DeIDOT's Road Design Manual and DGM 1-22.	5.2.5.5		
10.7	At a minimum, the frontage road(s) is/are improved to its/their functional classification standards across the frontage. At minimum Local Roads should have 11-foot lanes and 5-foot shoulders. All other roads (Minor Collector and up) should have 12-foot. lanes and 8-foot. shoulders.	5.6		
SECTION 11: MAINTENANCE OF TRAFFIC/ TEMPORARY TRAFFIC CONTROL SHEET				
11.1	Maintenance Of Traffic (MOT) plan, Pedestrian Maintenance of Traffic (Ped MOT) or Temporary Traffic Control Plan (TTCP) prepared and provided, with all applicable MOT/TTC General Notes shown and labeled.	4.4.4		
11.2	Any relevant Typical Application (TA) references per Delaware Manual on Uniform Traffic Control Devices (DE MUTCD) Chapter 6H - Table 6H-1 are included and updated within the MOT/TTC General Notes. DE MUTCD Typical Application Details shall not be shown on plans.	4.4.4		
11.3	Any additional sheet or series of sheets detailing project specific temporary traffic control measures for phased construction are prepared and provided if more extensive coordination and planning are warranted based on the complexity of the project and DeIDOT guidance.	4.4.4		
11.4	MOT General Notes are Shown	4.4.4		
SECTION 12: SIGNING AND STRIPING SHEET				
12.1	Signing and striping plan provided with existing and proposed striping, including lane widths shown, dimensioned and labeled. (A separate plan view or sheet may be required)	4.4.3.V		

12.2	A legend must be included for all signing and striping plans.	4.4.3.V		
12.3	Cross Walk locations shown, labeled and drafted to match actual alignment.	3.5.4.5		
12.4	16" white stop bar shown and dimensioned 4' behind crosswalk.	5.2.9.2		
12.5	Signage Break-A-Way (Standard Detail T-15) has been called out where necessary in plan set.	5.11.1.2		
SECTION 13: CROSS SECTION SHEET				
13.1	<p>Where construction plans include proposed improvements to frontage roads, cross sections shall be required. Cross sections shall be shown along the frontage road every 50 feet at even stations (e.g. 1+00, 1+50, etc.) within the limits of the improvements. Cross sections shall show the following information:</p> <ol style="list-style-type: none"> 1. Existing and proposed widths of streets, lanes, shoulders, right-of-way and easements. 2. Existing and proposed cross slopes of all lanes and shoulders. 3. Slope of roadside embankment (front slope and back slope). 4. Clear zone width and horizontal clearance 5. Width of easement (if applicable). 6. Proposed limit of construction. 7. Point-of-Profile Grade Application. 8. Existing and proposed curb, including curb type(s). 9. Pavement box. 10. Locations to place topsoil, seed and mulch. 11. Location of underdrains. 12. All existing and proposed drainage structures and utilities. 	4.4.5		
SECTION 14: DRAINAGE FEATURES AND PLANS				
14.1	Identify and locate drainage structures, Storm sewers, and culverts with specific symbol.	4.3.5.F.4		
14.2	Show and label the proposed storm drains and structures on the profiles. The minimum pipe size acceptable is 15 inches. Follow the Design Guidance Memorandum (DGM) for minimum and maximum pipe cover requirements.	4.4.1.D & 5.7.2.7		
14.3	Ensure pipe and drainage structure schedules are included in the plans. Please ensure that all temporary rebar is called out in the schedule as well.	4.4.1.D & 5.7.2.7		
14.4	Minimum Pipe Cover requirements for constructability have been verified.	4.4.1.D & 5.7.2.7		
14.5	Pipe Connection with catch basin meets depth requirements (Double catch basins require an 8" cover slab; this will in turn require the depth of pipe to be increased.)	4.4.1.D & 5.7.2.7		
14.6	Catch Basins can accommodate proposed pipe size.	4.4.1.D & 5.7.2.7		
14.7	Correct Inlet Top has been specified Please refer to the Standard Inlet Details for the appropriate inlet top.	4.4.1.D & 5.7.2.7		
14.8	Personnel Safety Grates/Covers and Flared End Sections are shown where required.	4.4.1.D & 5.7.2.7		
14.9	Storm Water Management Facilities include peak elevations for required storm events.	5.8.B & 5.8.C		
14.10	Drainage easements, shown in accordance with Section 5.7.2.6.	5.7.2.6		
14.11	All stormwater management facilities must be located a minimum of 20 feet outside of the right-of-way as measured from the top of slope of the facility.	3.8		
14.12	Drainage flow arrows on pipes, underdrains including location, and ditches.	4.3.5.F.3		
14.13	Location, flow line, elevation, typical section and ditch protection for culvert or storm sewer outfall.	4.3.5.F.5		

DelDOT: Entrance Plan Standard Comments to Engineer

SECTION 1: GENERAL REQUIREMENTS

1.1	The Construction Stage Fee, Area Wide Study Fee, Transportation Improvement District, Capital Transportation Improvement Contributions or Sidewalk Fee In-Lieu of Construction is not correct, please update the calculation and provide payment on-line at time of submittal for review. DCM Ref: 4.3 & 2.2.2.2
1.1	The On-line Area Wide Study Fee Calculation Form and payment are not correct or have not been submitted on-line. Please update the calculation and provide payment on-line at time of submittal for review. DCM Ref: 2.2.2.2
1.2	All Traffic Design including Signal/Lighting/ITMS Plans shall be submitted separately through DelDOT's PDCA Traffic Design submission. All Approved plans must be included in the "Final" Entrance Plan for approval. DCM Ref: 5.13, 5.14 & 5.17

SECTION 2: TRAFFIC IMPACT STUDY (TIS)/TRAFFIC OPERATIONAL ANALYSIS (TOA)

2.1	Plan approval is conditional upon the Developer entering into the << XXXXX Traffic Improvement Recoupment District Agreement >> with DelDOT to participate in the construction of the << XXXXX Project (State Contract XX-XXX-XX) >>. DCM Ref: 2.2.1.1
2.1	A letter agreement will be required for the offsite improvements provided in the TIS/TOA. A draft agreement will be forwarded to the applicant, in the near future, to review. The agreement must be executed prior to DelDOT granting Entrance approval. DCM Ref: 2.5.2
2.1	A letter agreement for the required offsite improvements has been distributed for signatures. The agreement must be signed and returned by the applicant prior to DelDOT issuing construction plan approval. DCM Ref: 2.5.2
2.2	This project falls into Inspection Category Level II, therefore the developer will be required to enter into a construction inspection agreement with an inspection firm currently under contact with DelDOT. This agreement must be finalized before an entrance permit will be issued. DelDOT's ### District or Division of Transportation Solutions Construction Section will oversee inspection. DCM Ref: Fig 6.4.3-a

SECTION 3: ENTRANCE PLAN TITLE SHEET CONTENT

3.1	<p>Title & Data Blocks</p> <p>Update the title and data blocks on the plans to include the following information:</p> <ol style="list-style-type: none"> 1. DelDOT Project ID number. 2. Name of town/hundred and county. 3. Maintenance number of highway being accessed. 4. Graphic scale 5. Date of current submission and all revised dates. 6. Name, address, of owner and engineer or surveyor preparing the plan. 7. Signature and Seal of engineer or surveyor (Delaware licensed) 8. Owner's signature (final Plan only) 9. Type of business 10. Tax parcel number(s). 11. Gross acreage of property. 12. Number of Subdivision Lots or Approximate gross leasable floor plan area. 13. Parking spaces required. 14. Parking spaces provided. 15. Local government responsible for land use approval. <p>DCM Ref: 4.4.2.A & 4.4.2.B</p>
3.2	Add a location map showing the relationship of the site to existing State-maintained roadways. DCM Ref: 4.4.2.B.7.
3.3	Update the General Notes per the latest digital version available on DelDOT's web portal. DCM Ref: 4.4.2.B.9
3.3	Include the date of the most current General Notes used (Last Revised XX/XX/XXXX). DCM Ref: 4.4.2.B.9

SECTION 4: GENERAL PLAN REQUIREMENTS

4.1	Provide legends of all line-types and symbols used in the plan views. Including, but not limited to: existing and proposed right-of-way, proposed property lines, proposed lot numbers, existing wood line, existing contours, wetlands line, 100-year floodplain line, easement line, drainage easement line, minimum building setback line, existing and proposed monuments and pins. DCM Ref: 4.4.2.B.11
4.2	Add a north arrow, with correct orientation labeled, to the plan view on all plan sheets. DCM Ref: 4.4.2
4.3	<<<Show, dimension and/or label the existing and/or proposed>>>: <<<buildings, structures, centerline stationing of frontage road(s), curbs, curb ramps, pedestrian facilities, trees, designated wetlands, water bodies, transit facilities, pedestrian and shared-use pathways, pedestrian crossings and bicycle facilities, utilities>>> (Include items that can be seen on the ground or from an aerial perspective and represented on the plan). DCM Ref: 4.4.3
4.3	Revise plans so that they correctly show locations of existing and proposed features based on actual field surveys. DCM Ref: 4.4.1.B

4.4	Show the <<<existing and proposed right-of-way, proposed property lines, proposed lot numbers, existing wood line, existing contours, wetlands line, 100-year floodplain line, easement line, drainage easement line, minimum building setback line, existing and proposed monuments and pins>>> on the plan. DCM Ref: 4.4.1.B
4.5	Update entrance plan to show, dimension and label adjacent entrances, opposing entrances and features along both sides of the frontage road within: 300 feet for roadway with posted speed limit of 35 mph or less. 450 feet for roadway with posted speed limit of 40 mph - 45 mph. 600 feet for roadway with posted speed limit of 50 mph - 55 mph. (See Fig 3.4.2-b, Fig 3.4.2-c and Fig 3.4.2-d) DCM Ref: 4.4.3.I
4.6	Update entrance plan to include Functional Classification/ Service number of adjacent frontage roadway(s) DCM Ref: 4.4.2.A.4
4.7	If the Auxiliary Lane Worksheet requirements have changed since the pre-submittal meeting, submit a new completed Auxiliary Lane Worksheet and justification for the entrance(s) along frontage roads. Revise plan to provide required lanes. DCM Ref: 4.4.3.V
4.7	Draw the auxiliary lanes on the striping plan set as they are defined by the Auxiliary Lane Worksheet. DCM Ref: 4.4.3.V
4.7	The pavement at the beginning of the deceleration lane should be squared-off to a minimum of the width of the turn lane, not tapered, as per the Typical Entrance Diagram. The 5" white stripe will define the taper. Please revise. DCM 5.2.9
4.8	The lane shift transition(s) shown <<<before / after>>> the left turn lane <<<is / are>>> incorrect. For a posted speed limit < 45 mph, use (WS ²)/60 to determine the taper length (W=shift from centerline, S= posted speed limit). DCM 5.2
4.8	The lane shift transition(s) shown <<<before / after>>> the left turn lane <<<is / are>>> incorrect. For a posted speed limit ≥ 45 mph, use WS to determine the taper length (W=shift from centerline, S= posted speed limit). DCM 5.2
4.9	A 5' wide bike lane is required <<<between the deceleration lane and the through lane / on the outside of the bypass lane>>> as shown per the Typical Entrance Diagram. Please revise. DCM Figures 5.2.9.2-b, 5.2.9.3-b, & 5.3.2.2-a
4.9	Provide bike lanes across all turn lanes or along the outside of any bypass lanes as shown on Figures 5.2.9.2-b and 5.2.9.3-b
4.9	Bike lane symbols and striping are shown in accordance with Delaware's Manual on Uniform Traffic Control Devices (latest edition).
4.10	Provide sidewalk / shared use path across the site frontage. DCM Ref 3.5.4.2
4.10	Provide a tie-in of the sidewalk / shared use path to the shoulder of the roadway per DCM Figure 3.5.4.2-b
4.10	Provide a minimum of a 5' buffer behind the back of curb to the sidewalk / shared use path. DCM Ref 5.3.1.1
4.10	Provide a minimum of a 10' buffer beyond the edge of roadway to the sidewalk and/or a minimum of 5' (10' desired) for the shared use path for uncurbed roadways. DCM Ref 5.3.1.1
4.10	The sidewalk / shared use path must meet the minimum separation requirements from the edge of road, pavement, driveways, parking lots, and site entrances. DCM Ref 3.5.4.2-E
4.10	Sidewalk / shared use path shall tie in at the site entrance or other drives at a 90 degree angle. No skewed crosswalks will be allowed. DCM Ref 5.3.1.3
4.10	Please add/ upgrade existing sidewalk to a ten-foot-wide shared use path along the frontage of the roadway within the permanent easement/ right-of-way. DCM5.3.2
4.10	Please revise sidewalk / shared use path so that they are ADA compliant. DCM 5.3
4.10	All channelizing Islands with pedestrian facilities must meet the minimum standard size of a minimum of 175 ft ²
SECTION 5: RIGHT OF WAY AND EASEMENTS - STATE MAINTAINED HIGHWAYS	
5.1	<<<Show, dimension and/or label>>> the <<<existing and/or proposed right-of-way, property lines and/or easements on project and/or opposite>>> side of the frontage road(s) located near <<<XXXXXX>>> location(s). DCM Ref: 4.4.3.A
5.1	Provide a temporary <<<construction easement and/or permanent easement>>> at near <<<XXXXXX>>> location(s). All necessary easements must be obtained before Entrance Plan Approval will be given. DCM Ref: 4.4.3.A.
5.2	Provide confirmation of dedication and plan recordation (or deed) to achieve the additional requirement. This shall be accomplished prior to plan approval.
5.3	Provide right-of-way monumentation along the XXX road at property corners and at each change in right-of-way alignment. DCM Ref: 3.2.4.2

5.4	Show, dimension and/or label the existing right-of-way on both sides of the frontage road. DCM Ref: 4.4.3.A
5.5	All building set backs must be displayed and dimensioned properly from the dedicated right-of-way. DCM Ref: 3.2.6
SECTION 6: DETAIL SHEET REQUIREMENTS	
6.1	Special details sheet is missing "Super-elevation diagrams". DCM Ref: 4.3.4.A.2
6.2	Special details sheet is missing "Bridges". DCM Ref: 4.3.4.A.3
6.3	Special details sheet is missing "Details of non-standard drainage structures". DCM Ref: 4.3.4.A.4
SECTION 7: TRAFFIC GENERATION CONTENT	
7.1	Please ensure the traffic generation diagram matches what is shown on the Record Plan dated XX/XX/XXXX (in accordance with Fig 3.4.2-a) DCM Ref: 4.4.3.U
7.1	Please include the traffic generation diagram as shown on the Record Plan dated XX/XX/XXXX (in accordance with Fig 3.4.2-a) DCM Ref: 4.4.3.U
SECTION 8: PAVEMENT DESIGN REQUIREMENTS	
8.1	Pavement sections should be displayed with correct labeling. DCM 5.6
8.1	DelDOT will review and provide a pavement section for XXX Roadway . Submit a Pavement Design / Core Request Form.
8.1	Minimum and Maximum Lifts Bituminous Concrete (Asphalt) Pavement Type C 1¼" Min 2" Max Bituminous Concrete (Asphalt) Pavement Type B 2¼" Min 4" Max Bituminous Concrete Base Course (BCBC) 3"Min 6" Max GABC 4"Min 8" Max
8.2	Show pavement tie-in details on the plan set. DCM Figure 5.6.4-a
8.3	Entrance pavement section layer needs to meet minimum depth Class I requirements based on 51 to 500 ADT and 1 or less light truck(s) per day; 1.25" Type C ³ 1.5" Type C ² 2.25" Type B 7" GABC DCM Fig. 5.6.2-a
8.3	Entrance pavement section layer needs to meet minimum depth Class II requirements based on 501 to 2000 ADT and 15 or less light truck(s) per day; 1.25" Type C ³ 1.5" Type C ² 3.5" Type B 8" GABC DCM Fig. 5.6.2-a
8.3	Entrance pavement section layer needs to meet minimum depth Class III requirements based on greater than 2001 ADT and 15 or more light truck(s) per day; Traffic data should be submitted to DelDOT for pavement design. DCM Fig. 5.6.2-a
8.4	The structural number (SN) needs to be displayed for all pavement section layers. DCM 5.6
SECTION 9: ENTRANCE PLAN SHEET REQUIREMENTS	
9.1	<<<Show, dimension and/or label the existing and/or proposed>>> pavement edges and material types near <<<XXXXXX>>> location(s). DCM Ref: 4.4.3.C
9.2	<<<Show, dimension and/or label the existing and/or proposed>>> utilities and/or DelDOT infrastructure near <<<XXXXXX>>> location(s). DCM Ref: 4.4.3.D
9.2	Should utility relocation be required, the developer must submit a utility relocation plan for DelDOT review and provide correspondence from utility company issuing no objection to the relocation and design prior to the pre-construction meeting and physical construction. DCM Ref: 4.4.3.D
9.2	Verify with the appropriate utility companies and confirm to DelDOT that there are no utility conflicts with proposed <<<construction and/or drainage structures>>> within any DelDOT right of way or easement. DCM Ref: 4.4.3.D
9.2	Show all existing pole locations. Poles that are to be relocated by the utility company should be called out as 'to be relocated by others'. Coordinate with the utility company representative and show the proposed relocated pole locations on the plan. DCM Ref: 4.4.3.M.
9.2	<<<Show, dimension and/or label>>> the existing traffic infrastructure, devices and systems including but not limited to: <<<signal and pedestrian poles, junction wells, inductive loops, cameras, conduit, weather equipment, pedestrian signals, cabinets and/or red light enforcement cameras>>>. DCM Ref: 4.4.3.W

9.3	The following items do not meet or verify that the following items meet the minimum Clear Zone and Lateral Offset Requirements per AASHTO's Road Design Guide and DelDOT's DCM Section 5.5.6. All CZ and Lateral Offsets should be clearly depicted in the plan set. DCM Ref 5.5.6
9.3	Show the Clear Zone on the plan. DCM Ref 5.5.6
9.4	<<<Show, and/or label>>> the elevation contours of the existing grade <<<within the limits of the topographic survey and/or near XXXXX location(s)>>>. DCM Ref: 4.4.3.E
9.4	<<<Revise and/or provide>>> the contour interval (in accordance with Figure 4.3.5-a) for ground slopes, <<<within the limits of the topographic survey and/or near XXXXX location(s)>>>. DCM Ref: 4.4.3.E
9.4	Extend topography to the limits as defined in Section 4.3.5-C: beyond the limits of the property to include <<<the proposed positive drainage outfall, critical features of the existing highway>>> for a minimum distance as specified in Figures 3.4.2-a, 3.4.2-b, and 3.4.2-c. DCM Ref: 4.4.3.E
9.5	<<<Show, and/or label>>> the proposed finished grade elevation contours <<<within the limits of disturbance and/or near XXXXX location(s)>>>. DCM Ref: 4.4.3.F
9.6	<<<Show, dimension and/or label>>> the <<<existing and/or proposed>>> median crossover, <<< median width and/or assigned lane widths>>> along the frontage road near <<<XXXXX>>> location. DCM Ref: 4.4.3.G
9.7	Include <<<Superelevation Rates, Horizontal Radii, Tangent Runout Lengths, Superelevation Runoff Lengths>>> for horizontal roadway curve near location XXX or STA X+00. DCM Ref: 4.4.3.H
9.7	Provide calculations to verify the superelevation rate, runout and runoff lengths are correct. DCM Ref: 4.4.3.H
9.8	<<<Show, dimension and/or label the existing and/or proposed>>> drainage features <<<and/or storm drain, catch basin or manhole located near XXX location(s)>>>. DCM Ref: 4.4.3.K.
9.8	Show and label the proposed site drainage on the plan. Particularly in the area near XXX location(s). DCM Ref: 4.4.3.K
9.8	<<<Show, dimension and/or label the existing and/or proposed>>> development signs within 500' of the entrance. DCM Ref: 4.4.3.M
9.9	<<<Show and/or label the existing and/or proposed>>> parking layout located near <<<XXXXX>>> location(s). DCM Ref: 4.4.3.N
9.10	<<<Show, dimension and/or label>>> the proposed entrance <<<geometry, lane widths, configuration, throat width(s) and/or entrance radii>>>. DCM Ref: 4.4.3.O
9.11	<<<Show and/or label>>> the proposed centerline stationing for the frontage road(s). DCM Ref: 4.4.3.P
9.12	<<<Show and/or label>>> the proposed <<<curb and/or sidewalk>>> grades at XXXX location DCM 4.4.3.Q
9.13	<<<Show and/or label>>> - Spot elevations at 10-foot intervals along the entrance radii. DCM Ref: 4.4.3.R - Spot elevations at 25-foot intervals: <<<along the proposed edge of pavement and/or where the proposed pavement meets the existing pavement>>>. DCM Ref: 4.4.3.R. - Corresponding spot elevations of the existing ground at the edge of proposed pavement. DCM Ref: 4.4.3.R - Provide additional <<<notes and/or labels>>> that clarify how to address the <<<slopes, grading and/or total differential>>> associated with the proposed <<<cut/fill>>> depth. DCM Ref: 4.4.3.R. - Corresponding spot elevations of <<<flow line and/or top of curb>>>, along <<<curbed sections of entrances and/or proposed widening>>>. DCM Ref: 4.4.3.R
9.14	<<<Show and/or label>>> site specific entrance construction details. DCM Ref: 4.4.3.S
	Remove DelDOT Standard Construction Detail(s) from plans on all current and future projects. DCM Ref: 4.4.3.S
9.15	<<<Show, dimension and/or label>>> the proposed limit of construction. DCM Ref: 4.4.3.T
	<<<Show, dimension, label, and hatch/shade the full depth, roto-milled and/or overlay>>> sections of the <<<roadway, shoulders and auxiliary lanes>>> on the plan and add the items and to the legend. DCM Ref: 4.4.3.T
9.16	<<<Show and/or label>>> typical sections, (as defined in Section 4.3.3). DCM Ref: 4.4.3.Y

9.16	<p>Typical Sections are required for each major change of section and shall include the following:</p> <p>A - Typical street sections for internal streets and frontage roads:</p> <ol style="list-style-type: none"> 1. Existing and proposed widths of streets, lanes, shoulders, right-of-way and easements 2. Existing and proposed cross slopes of all lanes, shoulders and swales 3. Slope of roadside embankment (front slope and back slope) 4. Clear zone width and horizontal clearance 5. Proposed limit of construction 6. Point-of-Profile Grade Application and Point-of-Ditch Grade Application 7. Type of curb 8. Depth and type of pavement material 9. Locations to place topsoil, seed and mulch 10. Location of underdrains 11. Subgrade to be prepared in accordance with DeIDOT Standard Specifications <p>B - Non-Roadside Ditches/Swales:</p> <ol style="list-style-type: none"> 1. Width of ditch bottom 2. Point-of-Profile Grade Application (Ditches longer than 100 feet require a profile) 3. Side slopes 4. Type and depth of ditch protection 5. Locations to place topsoil, seed, and mulch 6. Existing and proposed easements <p>DCM Ref: 4.3.3</p>
9.17	<p>Provide a proposed profile sheet in the next plan set. DCM Ref: 4.3.6</p>
9.17	<p>Revise the Profile Sheet to include <<<horizontal and vertical scale, vertical curve data, drainage features, existing and proposed utilities, existing and proposed elevations every 50 feet at minimum, and longitudinal grades (%).>>> DCM Ref: 4.3.6</p>
SECTION 10: ENTRANCE DESIGN AND CONSTRUCTION REQUIREMENTS	
10.1	<p>Revise angle of the Entrance compared to the frontage road (should not be less 70°). DCM Ref: 5.1.3.A</p>
10.2	<p>Subdivision Type I, II, and III Streets (One-way) 16 feet; 18 feet (without curb and gutter) Subdivision Type I Street (Two-way) 24 feet Subdivision Type II and III Streets (Two-way) 32 feet Industrial Street (Two-way) 32 feet Commercial Access (One-way) 18 feet Commercial Access (Two-way) 24 – 32 feet DCM Fig. 5.2.4-b</p>
10.3	<p>Entrance width should be revised to reflect design requirements for applicable design vehicle and corner radii design. DCM Ref: 5.2.4</p>
10.4	<p>The entrance curb needs to meet DeIDOT radius requirements based on the design vehicle and extend 25 feet passed entrance radii. DCM Ref: 5.2.5</p>
10.5	<p>The entrance curb needs to meet all DeIDOT height and type requirements based on frontage road speed. For design criteria, please refer to the DCM 5.5.2 Typical Sections - Curbs. DCM Ref: 5.5.2</p>
10.6	<p>The channelizing islands at the entrance does not meet DeIDOT's minimum size. Please revise. DCM Ref 5.2.5.5</p>
10.6	<p>The face of the curb on the channelizing island should be pulled back in line with the edge of the bike lane.</p>
10.7	<p>The frontage road should be improved to its functional classification standards across the parcel's frontage. DCM 5.6</p>
SECTION 11: MAINTENANCE OF TRAFFIC/ TEMPORARY TRAFFIC CONTROL SHEET	
11.1	<p>Please <<<Provide and/ or prepare and provided>>> a <<<Maintenance of Traffic (MOT) plan, Pedestrian Maintenance of Traffic (Ped MOT) plan and/ or Temporary Traffic Control Plan (TTCP)>>>. These plans should be submitted seperately through DeIDOT's PDCA. DCM Ref 4.4.4</p>
11.1	<p>Please include the Maintenance of Traffic (MOT)/ Temporary Traffic Control (TTC) General Notes on the plans. Be sure to label and include the revision date of the notes used. DCM Ref: 4.4.4</p>
11.2	<p>Please call out any relevant Typical Application (TA) references per the Delaware Manual on Uniform Traffic Control Devices (DE MUTCD) Chapter 6H- Table 6H-1 Specifically in the area of XXXXX. DCM Ref: 4.4.4.</p>
11.3	<p><<<Provide and/ or Prepare and Provide>>> an additional <<<sheet and/ or sheets>>> that detail the project specific measures for phased construction based on DeIDOT guidance and the complexity of the project. DCM Ref: 4.4.4</p>
11.4	<p>Please include the Maintenance of Traffic (MOT)/ Temporary Traffic Control (TTC) General Notes on the plans. Be sure to label and include the revision date of the notes used. DCM Ref: 4.4.4</p>

SECTION 12: SIGNING AND STRIPING SHEET	
12.1	Please submit signing and striping plans as a separate plan sheet. DCM Ref: 4.4.3.V
12.1	<<<Show, dimension and/or label existing and/or proposed>>> striping, including lane widths. DCM Ref: 4.4.3.V
12.1	Provide signing and striping plan on a separate plan view or sheet. DCM Ref: 4.4.3.V
12.2	Please include a legend for the signing and striping plans. DCM Ref: 4.4.3.V
12.3	<<<Show and/ or label>>> the crosswalk and make sure it matches the actual alignment. DCM Ref: 3.5.4.5.
12.4	The stop bar shall be a 16-inch-wide (Thermo Striping). DCM Ref: Fig. 5.2.9.2-b
12.4	The stop bar shall be located a minimum of 4 feet behind the crosswalk. DCM Ref: Fig. 5.2.9.2-b
12.5	Call out the Brake-A-Way standard detail (T-15) for signs on the plan set. DCM Ref 5.11.1.2
SECTION 13: CROSS SECTION SHEET	
13.1	Update Plans to include Cross Sections, which are required along the frontage road every 50 feet at even stations (e.g. 1+00, 1+50, etc.) within the construction limits of the proposed improvements. DCM Ref:
13.1	Update the Cross sections to show the following information: <ol style="list-style-type: none"> 1. Existing and proposed widths of streets, lanes, shoulders, right-of-way and easements. 2. Existing and proposed cross slopes of all lanes and shoulders. 3. Slope of roadside embankment (front slope and back slope). 4. Clear zone width and horizontal clearance 5. Width of easement (if applicable). 6. Proposed limit of construction. 7. Point-of-Profile Grade Application. 8. Existing and proposed curb, including curb type(s). 9. Pavement box. 10. Locations to place topsoil, seed and mulch. 11. Location of underdrains. 12. All existing and proposed drainage structures and utilities. DCM Ref: 4.4.5
SECTION 14: DRAINAGE FEATURES AND PLANS	
14.1	Identify the location of <<<Drainage Structures, Storm Sewers, and Culverts>>> with a specific/ unique symbol(s). Be sure to add the symbol(s) used to the legend. DCM Ref: 4.3.5.F.4
14.2	Show and label the proposed storm drains and structures on the profiles. DCM Ref: 4.4.1.D/ 5.7.2.7
14.2	The minimum acceptable pipe diameter is 15 inches. Please revise pipe(s) XXXX to meet this criteria. DCM Ref: 4.4.1.D/ 5.7.2.7
14.2	Please refer to the DGM 1-20 for the appropriate minimum and maximum cover requirements. Please revise pipe(s) XXXX to meet this criteria. DCM Ref: 4.4.1.D/ 5.7.2.7
14.3	Update plan to ensure that all pipe and drainage structure schedules are included on the plans. DCM Ref: 4.4.1.D/ 5.7.2.7.
14.3	Please include all temporary rebar in the schedule. DCM Ref: 4.4.1.D/ 5.7.2.7
14.4	Update plan to ensure that minimum pipe cover requirements for constructability are met. DCM Ref: 4.4.1.D/ 5.7.2.7
14.5	Update plan to ensure that Pipe Connection with catch basin meets depth requirements (Double catch basins require an 8" cover slab; this will in turn require the depth of pipe to be increased.) DCM Ref: 4.4.1.D/ 5.7.2.7
14.6	Update plan to ensure that Catch Basins can accommodate proposed pipe size. DCM Ref: 4.4.1.D/ 5.7.2.7
14.7	Update plan to ensure that Correct Inlet Top has been specified. Please refer to the Standard Inlet Details for the appropriate inlet top. DCM Ref: 4.4.1.D/ 5.7.2.7

14.8	Update plan to ensure that Flared End Section are used with Personnel Safety Grates where required. DCM Ref: 4.4.1.D/ 5.7.2.7
14.9	Update plan to ensure that all Storm Water Management facilities include peak elevations for required storm events. DCM Ref: 5.8.B/ 5.8.C
14.10	A drainage easement(s) are required for all drainage facilities handling roadway runoff which are not located within a dedicated right-of-way. DCM Ref: 5.7.2.6
14.10	All underground drainage facilities require a 20-foot drainage easement. Please provide a 20 foot drainage easement for the facility <<<in XXXX locations>>>>. DCM Ref: 5.7.2.6
14.10	The drainage pipe <<<in XXXX location>>> must be located in the center of the drainage easement. DCM Ref: 5.7.2.6
14.10	Open drainage facilities require a width equal to the width of the facility plus a 10-foot easement on one side and a minimum of a 5-foot easement on the other side of the open drainage facility as measured from the top of the slope. If the top of slope is undefined, measure from the 10-year water surface elevation. Refer to figure 5.7.2.6-a of the DCM for additional details. Revise the easement around <<<Facility XXXX>>> to meet this criteria. DCM Ref: 5.7.2.6
14.11	All stormwater management facilities must be located a minimum of 20 feet outside of the right-of-way as measured from the top of slope of the facility. DCM Ref: 3.8
14.12	Show the drain flow arrows on all pipes, underdrains including location, and ditches on the drainage plan. DCM Ref: 4.3.5.F.3
14.13	Show the location of any existing/ proposed <<<Culvert(s), Storm sewer outfall(s)>>> on the drainage plan. DCM Ref: 4.3.5.F.5.
14.13	For the culverts in <<<location XXXX>>>>, show the <<<Flow Line(s), Elevation(s), Typical Section(s), Ditch Protection.>>> DCM Ref: 4.3.5.F.5
14.13	For the Storm Sewer Outfall in <<<location XXXX>>>>, show the <<<Flow Line(s), Elevation(s), Typical Section(s), Ditch Protection.>>> DCM Ref: 4.3.5.F.5