

901 Sequence of Plans Preparation

901.1 General

The set of plans depicting the proposed construction work is known as the "Contract Plans Set" and is comprised of component plans that are associated with a primary work type. The contract plans set should be prepared systematically, undergoing phases of review and updates to ensure technically correct and clear plans. Additional information can be found in **FDM 110, 111, 112, and 120**. These chapters contain a comprehensive discussion of design processes and activities from initial to final engineering.

Component plans are included in the Contract Plans Set in the following order:

- | | |
|--|---|
| (1) Roadway | (7) Architectural |
| (2) Signing and Pavement Marking | (8) Structures |
| (3) Signalization | (9) Toll Facilities |
| (4) Intelligent Transportation Systems (ITS) | (10) Utility Work by Highway Contractor |
| (5) Lighting | |
| (6) Landscape | |

Prepare Toll Facility Plans in accordance with the Florida's Turnpike Enterprise **General Tolling Requirements (GTR)**. Contact the Florida's Turnpike Enterprise Project Manager to request a copy of the GTR.

901.2 Optional Line and Grade Submittal

At the discretion of the district, submit preliminary horizontal and vertical geometry depicting the proposed design at approximately mid-point between Notice to Proceed (NTP) and Phase I Plans. Include horizontal geometry for mainline roadways, ramps, cross streets, and side roads. Provide vertical geometry for mainline roadways and cross streets, and when critical to the project for ramps and side roads as well.

These sheets are typically produced using large format (24"x36", 36"x48", or 36"x72") sheets with a scale of 1" = 50' horizontal and 1" = 5' vertical.

Show base clearance water, seasonal high groundwater, and flood plain elevations in profile view.

Identify potential impacts or constraints (e.g., R/W, utilities, wetlands, existing bridge structures) on plan view.

901.2.1 Requirements

The Line and Grade sheets should address the following objectives:

- (1) Check consistency with the intent and scope of the Project Concept Report
- (2) Evaluate the impacts of changes to the project concept, resulting from the normal design development process as well as those due to changes in scope and the identification of adverse site conditions
- (3) Verify the geometric viability of the project for the desired design speed and traffic volumes.
- (4) Provide a basis for early coordination with other disciplines
- (5) Provide a basis for early identification of design constraints or problems
- (6) Document off-site and pavement drainage constraints, such as flood plain elevations, base clearance, and seasonal high-water table
- (7) Establish design criteria specific to horizontal and vertical geometry
- (8) Identify Design Variations and Design Exceptions associated with horizontal and vertical alignment.

Include supporting calculations and documentation with the Line and Grade Submittal that address the following:

- Design speed
- Lane widths
- Shoulder widths
- Bridge widths
- Base clearance
- Access management
- Aesthetics
- Landscape Opportunity
- Stopping sight distance
- Intersection sight distance
- Horizontal and vertical clearances
- Existing bridge approach slab evaluation
- Auto-turn exhibits for vehicle movements

901.3 Conventional (Design-Bid-Build) Projects

See **FDM 120** for design submittal requirements and guidance in preparing submittals for review by the Department. For bridge submittal requirements see **FDM 121**.

Standard phase submittals are: Phase I, Phase II, Phase III, Phase IV, and PS&E. RRR, operational improvement, and safety improvement projects often omit some of these phase submittals.

Sheets typically required for each phase submittal and required level of completion are noted in **Table 901.3.1**. Levels of completion are indicated as follows:

- (1) Preliminary (P): Basic shapes, geometry, and information to convey the concept.
- (2) Complete but Subject to Change (C): The design, drawings and details are complete. Only reviewer-initiated changes should be expected at this level.
- (3) Final (F): All drawings and designs are complete. No changes are expected at this level. Plans are ready to be signed and sealed by the EOR.

Roadway sheets that support permit applications (e.g., Plan-Profile, Stormwater Facility Plan, Drainage Plan, Mitigation Plan) should be permit ready level of completion for the Phase II Submittal.

Table 901.3.1 Phase Submittals for Conventional Projects

ITEM	PHASE I	PHASE II*	PHASE III	PHASE IV
Roadway Plans Set				
Key Sheet	P	P	C	F
Signature Sheet		P	C	F
Typical Section	P	C	C	F
Model Management	C	C	C	F
Project Control	P	C	C	F
Roadway Plan-Profile	P	P	C	F
Traffic Monitoring Site		P	C	F
Drainage Structures		P	C	F
Stormwater Facility Plan		P	C	F
Drainage Map	P	P	C	F
Roadway Soil Survey		P	C	F
Temporary Traffic Control Plans	P	P	C	F
Utility Adjustments		P	C	F
Selective Clearing and Grubbing		P	C	F
Mitigation Plan	P	P	C	F
Miscellaneous Structures		P	C	F
Component Plans Set				
Signing and Pavement Marking Plans		P	C	F
Signalization Plans		P	C	F
Intelligent Transportation System (ITS) Plans		P	C	F
Lighting Plans		P	C	F
Landscape Plans	P	P	C	F
Landscape Maintenance Guide			C	F
Utility Work by Highway Contractor Plans			C	F
Toll Facility Plans				
Site/Civil, Architectural, and Structural	P	P	C	F
Electrical, Mechanical, and Plumbing		P	C	F
Communications and Systems		P	C	F

Status Key: P - Preliminary C - Complete but subject to change F - Final

* Projects with structures plans component must submit the latest set with the 60% roadway submittal.

901.3.1 Phase I Submittal

Develop Phase I Plan sheets to include the following:

KEY SHEET

- All applicable Financial Project IDs
- (Federal Funds) notation, if applicable
- County Name and State Road Number
- Fiscal Year and sheet number
- Consultants name, address, and contract number, if applicable
- Department's Project Manager's Name
- List of Component Plan Sets
- Project Location URL and Work Limits
- Governing Standards and Specifications

TYPICAL SECTIONS

- Proposed typical section(s)
- R/W lines
- Special details and notes
- Traffic data

MODEL MANAGEMENT

- Complete

PROJECT CONTROL

- Benchmarks
- Reference points
- Control points

ROADWAY PLAN-PROFILE

Plan View

- Existing topography
- Existing utilities, and V_{vh} data when available.
- North arrow and scale
- Centerline of construction or baseline of survey
- Equations and exceptions
- Curve data
- Preliminary horizontal geometrics
- Existing R/W lines
- Begin & end stations for the project

- Begin & end bridge stations

Profile View

- Scale
- Appropriate existing utilities
- Preliminary profile grade line
- Equations
- Existing ground line
- Begin & end stations for the project
- Begin & end bridge stations
- Preliminary highwater elevation

DRAINAGE MAP

- Photographic (aerial) base map
- Centerline of construction or baseline of survey and stationing
- North arrow and scale
- Street names and R/W lines
- Begin & end of project stations
- Begin & end of bridges stations
- Drainage areas and flow direction
- Drainage divides and ground elevations
- Highwater information
- Existing structures and pipes with relevant information
- State, Federal, and county highway numbers
- Label existing water bodies (e.g., lakes, rivers)

TEMPORARY TRAFFIC CONTROL PLANS

- Typical section for each phase.
- Description of the phasing sequence and work involved.
- Other worksheets as necessary to convey concept and scope.

MITIGATION PLANS

- Project Specific

LANDSCAPE PLANS

- Conceptual landscape plan

TOLL FACILITY PLANS

- Site/Civil, Architectural, And Structural

901.3.2 Phase II Submittal

Typically, the work to be done during this phase is the following:

- (1) Address Phase I comments.
- (2) Load pay item numbers into Designer Interface for AASHTOWare Project™ Preconstruction and print a PDF of the Summary of Pay Items Report. Notify the Department Project Manager when this is completed via email with the PDF report attached.
- (3) Develop Phase II Plans to include the following:

KEY SHEET

- Index of sheets including Developmental Standard Plans (if appropriate)
- Contract plans and component plans list (lead component only)

SIGNATURE SHEET

- Sections for each Professional of Record with Index of Sheets
- Image of the seals (if appropriate)

TYPICAL SECTIONS

- Complete

MODEL MANAGEMENT

- Complete

PROJECT CONTROL

- Complete

ROADWAY PLAN-PROFILE

Plan View

- Begin & end stations for construction
- Curb return numbers, station ties, and elevations
- Proposed drainage structures with pipes
- Proposed R/W lines
- Proposed side drainpipes

- Preliminary horizontal geometrics and dimensions
- Limits of wetlands

Profile View

- Final profile grades and vertical curve data
- Mainline storm drainpipes
- Special ditch gradients with DPI station and elevation
- Special gutter grades with DPI station and elevation.
- Nonstandard superelevation transition details
- Highwater elevations
- Existing utilities

TRAFFIC MONITORING SITE

- Complete

DRAINAGE STRUCTURES

- Drainage tabular information
- Vertical and horizontal scale
- Special sections at conflict points

Plan View

- Centerline of construction or baseline of construction with stationing
- All elements of roadway template and R/W lines
- Proposed drainage system with structure and pipe labeling
- Underground utilities

Profile View

- Sectional view along pipe runs with structure and pipe labeling
- Existing and proposed surface
- Underground utilities

STORMWATER FACILITY PLAN

- North arrow and scale
- Proposed baseline with stationing with ties to roadway centerline of construction or baseline of survey
- Existing topography, drainage structures, and utilities
- R/W lines
- Soil boring locations
- Fence and gate locations
- Drainage structures with structure and pipe labeling
- Stormwater facility delineation with side slopes, dimensions, and elevations
- Stormwater facility section views
- Outlet structure details and notes
- 100-year flood plain boundaries and elevations, contamination sites, delineated wetlands, and sink holes and depressions

DRAINAGE MAP

- Proposed drainage structures with structure numbers
- Proposed cross drains with pipe sizes and structure numbers
- Flow arrows along proposed ditches
- Retention and detention ponds, pond number and area size
- Bridges and bridge culverts with begin & end stations
- Flood Data Summary (if applicable)

ROADWAY SOIL SURVEY

- Soil data

TEMPORARY TRAFFIC CONTROL PLANS

- General and Phasing notes complete
- TTCP and Detour Plans mostly complete
- R/W and Utilities information

UTILITY ADJUSTMENTS

- All existing utilities highlighted
- Develop conflict matrix

SELECTIVE CLEARING AND GRUBBING

- Existing vegetation to be protected, relocated, or removed
- Project-specific notes and details

MITIGATION PLANS

- Project specific

MISCELLANEOUS STRUCTURES

- Retaining walls (cast in place, proprietary, or temporary) if required

SIGNING AND PAVEMENT MARKING PLANS - PLAN SHEETS

- North arrow and scale
- Basic roadway geometrics
- Begin & end stations and exceptions
- Station equations
- Conflicting utilities, lighting, and drainage
- Pavement markings
- Sign locations
- Applicable pay items

SIGNING AND PAVEMENT MARKING PLANS - SIGN DETAIL SHEETS, GUIDE SIGN WORK SHEETS

- Project specific

SIGNALIZATION PLANS

- North arrow and scale
- Basic roadway geometrics
- Begin & end stations and exceptions
- Station equations
- Conflicting utilities, lighting, and drainage
- Signal pole location
- Type and location of loops
- Type and location of signal heads
- Pedestrian signal
- Location of stop bars
- Location of crosswalks
- Sheet title
- Applicable pay items

SIGNALIZATION PLANS - POLE SCHEDULE

- Pole location, number, and type
- Pole dimensions
- Pay item number and quantity
- Joint-use pole details, if applicable
- Foundation design

SIGNALIZATION PLANS - INTERCONNECT/ COMMUNICATION CABLE PLAN

- Placement of interconnect/communication cable
- Conflicting utilities, lighting, and drainage
- Other project-specific details

ITS PLANS - PLAN SHEETS

- North arrow and scale
- Basic roadway geometrics
- Begin & end stations and exceptions
- Station equations
- Conflicting utilities, lighting, and drainage
- Applicable pay items

ITS PLANS - DETAIL SHEETS

- Project specific

LIGHTING PLANS - POLE DATA AND LEGEND SHEET

- Each pole listed by number with location, arm length, mounting height, and luminaire wattage
- Design value for light intensities and uniformity ratios shown
- Legend and sheet title

LIGHTING PLANS - PLAN SHEETS

- North arrow and scale
- Baseline of construction
- Begin & end stations and equations
- Basic roadway geometrics
- Conflicting utilities, drainage, signal poles, etc.
- Sheet title
- Applicable pay items

- Pole symbols shown at correct station location and approximate offset

LIGHTING PLANS - HIGH MAST

- Project-specific foundation detail sheets
- Project-specific boring data sheets
- Conflicting utilities, drainage, and lighting

LANDSCAPE PLANS

- Complete

TOLL FACILITY PLANS

- Site/Civil, Architectural, and Structural
- Electrical, Mechanical, and Plumbing
- Communications and Systems

901.3.3 Phase III Submittal

Typically, the remaining work to be done is to:

- (1) Address Phase II comments
- (2) Complete all remaining Plan Sheets
- (3) Complete the development of models to be contained in the BIM.zip file
- (4) Complete the Estimated Quantities Report (see **FDM 902**) and input quantities into Designer Interface for AASHTOWare Project™ Preconstruction. Submit the Estimated Quantities Report with the Phase III Submittal.

Estimate the Work Zone Traffic Control items paid for on a 'per day' basis and include them in the Estimated Quantities Report. The Department's Construction Office will perform a biddability review and will establish construction duration as a part of the Phase III review after receiving the plan set. Include this information in the Phase III review comments transmitted back to the EOR.

Utility Work by Highway Contractor (UWHC) Agreement Plans consisting of a Key Sheet and mainline plan-profile showing proposed utility horizontal and vertical locations are also to be included in the Phase III submittal.

901.3.4 Phase IV Submittal

Typically, the work to be done during this phase is the following:

- (1) Address Phase III review comments
- (2) Update the Work Program Administration (WPA) system (see **FDM 111.2.1**) to reflect the project begin and end project milepost.
- (3) Finalize all plan sheets, including:
 - (a) Place the assigned Construction Contract Number on the Key Sheet
 - (b) Update Work Zone Traffic Control pay items based on established construction duration.
- (4) Finalize the models to be contained in the BIM.zip file
- (5) Finalize the Estimate of Quantities Report and update quantities in Designer Interface for AASHTOWare Project™ Preconstruction. Submit the Estimated Quantities Report with the Phase IV Submittal
- (6) Provide an EOR's construction cost estimate to the Department Project Manager (when requested).

After corrections noted during the Phase IV submittal review are completed and verified, the plans are referred to as Final Plans.

901.3.5 PS&E Submittal

There are two required submittals during the Plans, Specifications, and Estimates (PS&E) phase. Coordinate with the District Final Plans Office for scheduling these required submittals.

The first submittal consists of the Final Plans and BIM.zip, draft Specifications Package and Estimated Quantities Report. See the [Specifications Handbook](#) for information on preparing Specifications Packages and Supplemental Specifications Packages.

A review of the first submittal by the District Final Plans Office often require changes (e.g., pay item numbers and quantities, notes, design details). After changes to the Final Plans, Specifications Package, and Estimated Quantities Report, have been completed and verified, deliver the second submittal consisting of the following:

- (1) Signed and Sealed Plans
- (2) Signed and Sealed Specifications

- (3) Signed and Sealed Estimated Quantities Report
- (4) BIM.zip or CADD.zip file

Provide the Total Roadway Length, Total Bridge Length, and Total Project Length to the Department Project Manager (when requested).

Information on District activities during PS&E Phase is described in **FDM 131**.

Sign and seal As-Built Plans and BIM files in accordance with **FDM 130**.

Information on the delivery of Project Documentation is described in **FDM 111.7**.

901.4 Non-conventional (Design-Build) Projects

The following are required submittals for Design-Build projects:

- (1) Technical Proposal
- (2) 60% Plans for IDR associated with Category 2 structures
- (3) 90% Component Plans
- (4) Final Component Plans
- (5) As-Built Plans

Required level of completion for each phase submittal are noted in **Table 901.4.1**. Levels of completion are Preliminary (P), Complete (C), and Final (F).

Table 901.4.1 Phase Submittals for Non-conventional Projects

Plan Sheet	Technical Proposal	90% Plans	Final Plans
Roadway Plans Set			
Key Sheet		C	F
Signature Sheet		C	F
Typical Section	P	C	F
Model Management		C	F
Project Control	P	C	F
Roadway Plan-Profile	P	C	F
Special Profiles		C	F
Traffic Monitoring Site	P	C	F
Drainage Structures		C	F
Stormwater Facility Plan		C	F
Drainage Map	P	C	F
Roadway Soil Survey		C	F
Temporary Traffic Control Plans	P	C	F
Utility Adjustments		C	F
Selective Clearing and Grubbing		C	F
Mitigation Plan		C	F
Miscellaneous Structures		C	F
Component Plans Set			
Signing and Pavement Marking Plans	P	C	F
Signalization Plans		C	F
Intelligent Transportation System (ITS) Plans		C	F
Lighting Plans		C	F
Landscape Plans		C	F
Utility Work by Highway Contractor Plans		C	F
Toll Facility Plans			
Site/Civil, Architectural, and Structural	P	C	F
Electrical, Mechanical, Plumbing, Communications, and Systems		C	F

Status Key: P - Preliminary C - Complete but subject to change F - Final

901.4.1 Discipline Phase Reviewer Requirements

There are two types of comments that may be provided during the review of submittals:

- **Response Required Comment:** These comments refer to direct violations of contract requirements and must be responded to.
- **FYI Comment:** These comments are informational, and do not require a response. Phase reviews should focus on compliance with contract requirements, however, “for information only” comments may also provide valuable feedback.

Enter comments in the Electronic Review Comments (ERC) system in the boxes labeled “Response Required Comment” or “FYI Comment”. The ERC system will automatically add a statement at the end of each comment indicating “A written response is required.” or “This comment is for information only. A written response is NOT required.”

When providing a Response Required Comment, include the specific contract reference or requirement that is being violated, such as:

- an **AASHTO** provision that is being violated.
- a Governing Regulation (e.g., **FDM**, [Structures Design Guidelines](#)) requirement that is being violated.
- a Technical Proposal commitment that is not being met.
- a Request For Proposal (RFP) requirement that is being omitted or violated.
- an omission in the plans or calculations.
- an inconsistency between the plans and calculations.
- an obvious error in math or basic engineering principles.
- an environmental commitment or permit commitment that is not being met.

The Department may provide mark-ups to support a review comment. The Department may allow the EOR to include supplemental details or revised plan sheets with their written responses, in lieu of resubmitting a component plan set.

901.4.1.1 Example of Response Required Comment

Example Comment: *The vertical curve length does not meet the minimum requirements of **Table 210.10.4** in the **FDM**. A written response is required.*

In this example, a requirement from the **FDM** is being violated. The plans must be corrected to address this situation, and a written response from the Design-Build Firm or Concessionaire is required.

Example Comment: *Calculations are consistent with two-phased post tensioning of the pier cap, but the plans indicate post-tensioning in a single phase. Update plans to be consistent with the calculations so that the cap will not be overstressed in the unloaded condition. A written response is required.*

In this example, the intent of the comment is to alert the Design-Build Firm or Concessionaire of an inconsistency between the calculations and the plans that result in the pier cap being overstressed. The plans must be corrected to address this situation, and a written response from the Design-Build Firm is required.

901.4.1.2 Example of FYI Comment

Example Comment: *The plans as submitted depict a land pier located very close to the shoreline of a major body of water and steel sheet piling are not shown along the water face of the footing. Ensure that the footing can be constructed in the dry per the requirements of the Specifications. This comment is for information only. A written response is NOT required.*

In this example, the intent of the comment is to ensure that the footing concrete is placed in the dry per the [Standard Specifications](#). Regardless of the action the Design-Build Firm or Concessionaire takes in response to the comment, the [Standard Specifications](#) requirements must be met; the reviewer is putting the Design-Build Firm or Concessionaire on notice.

901.4.2 Technical Proposal Submittal

Plan sheets contained in the Technical Proposal Submittal must adhere to the requirements of the **FDM 900 Series**. Large-format sheets (36"x48" or 36"x72") may be used when producing plan sheets when allowed by specific **FDM 900** chapters.

Do not submit CADD files with the Technical Proposal Submittal.

When required by RFP, develop Technical Proposal Submittal plan sheets to include the following:

TYPICAL SECTIONS

- Mainline and crossroad typical sections
- R/W lines
- Traffic data
- Pavement Design

PROJECT CONTROL

- Benchmarks
- Reference Points
- Control Points

ROADWAY PLAN - PROFILE PLAN VIEW

- North arrow and scale
- Baseline of survey, equations
- Curve data (including superelevation)
- Existing topography including utilities
- Preliminary horizontal geometrics and dimensions
- R/W lines (if available)
- Centerline of construction (if different from the baseline of survey)
- Begin and end stations for the project and stations of equations and exceptions
- Existing utilities
- Guide sign locations
- Limits of wetlands

ROADWAY PLAN - PROFILE VIEW

- North arrow and scale
- Appropriate existing utilities
- Preliminary profile grade line
- Existing ground line with elevations at each end of sheet
- Begin and end stations for the project and stations of equations and exceptions

- Final profile grades and vertical curve data
- High water elevations

DRAINAGE MAP

- Drainage divides and flow direction arrows
- High water information as required
- Preliminary horizontal alignment with stationing
- State, Federal, County highway numbers (as appropriate)
- Proposed storm drain trunk line and outfall locations
- Proposed Retention/Detention Pond Location

TRAFFIC MONITORING SITE

- Project Specific

TEMPORARY TRAFFIC CONTROL PLANS

- General and Phasing notes complete
- Preliminary TTCP and Detour Plans
- Typical section for each phase
- R/W and Utilities information

SIGNING AND PAVEMENT MARKING PLANS - SIGN DETAIL SHEETS

- Preliminary layout of multi-column and overhead guide sign worksheets

TOLL FACILITY PLANS

- Project specific
- Site/Civil
- Architectural
- Structural

901.4.3 90% Plans Component Submittal

After all comments associated with the Technical Proposal Submittal have been resolved, the required plan sheets must be completed in accordance with the ***FDM 900 Series***.

Submit CADD files with the completed plans sets for the 90% Plans Component Submittal.

901.4.4 Final Plans Component Submittal

After all comments associated with the 90% Plans Component Submittal have been resolved, the required plan sheets and CADD files must be finalized.

Submit CADD files with the final plans sets for the Final Plans Component Submittal.

901.4.5 Released for Construction Plans

After all comments associated with the Final Plans Submittal have been resolved, the EOR must submit signed and sealed plan sets and BIM files for Department approval. The Department's Project Manager will initial, date, and stamp each submittal as "Released for Construction". Only signed and sealed plans and BIM files that have been stamped "Released for Construction" by the Department's Project Manager are valid.

Submit the BIM.zip file with the Released for Construction plan sets.

Sign and seal Final Plans and BIM files in accordance with **FDM 130**.

901.4.6 As-Built Plans

As-Built requirements are specified in the Design Build RFP. The Final As-Built Plans include all revisions and changes, both design and construction, that indicate precisely how the project was constructed.

Submit the BIM.zip or CADD.zip file with the As-Built plan sets.

Sign and seal As-Built Plans and BIM files in accordance with **FDM 130**.

Provide Project Documentation in accordance with **FDM 111.7**.

901.5 Alternative Intersection and Interchange Submittals

Alternative Intersection and Interchange reviews are generally required for the following configurations:

- Roundabout
- Median U-Turn (MUT)
- Restricted Crossing U-Turn (RCUT)
- Diverging Diamond Interchange (DDI)
- Jug Handle
- Displaced Left Turn

- Continuous Green-T
- Quadrant Roadway

Include Alternative Intersection and Interchange Review Packages with the Phase I Submittal and designate a representative of the State Roadway Design Office as a Lead Reviewer in ERC.

The following items are required for an Alternative Intersection and Interchange Review Package:

- (1) Geometric Layout (PDF and CADD):
 - (a) North Arrow and scale, Survey Baseline, equations
 - (b) Significant topographic features including buildings, driveways, bridges, drainage structures, utilities, bicycle and pedestrian facilities, and transit facilities
 - (c) Preliminary horizontal geometry including pavement edges, curb and gutter, traffic separators, islands, sidewalks, and curb ramps
 - (d) Preliminary pavement markings including edge lines, interior lane lines, extension lines, stop bars, crosswalks, direction arrows, and gore markings
- (2) Design Vehicle Turning Movements (PDF and CADD):
 - (a) Design vehicle swept path diagrams for all through movements, left turn movements, and right turn movements
- (3) Traffic Forecast (PDF)
 - (a) Opening year and design year, a.m. and p.m., peak hour volumes for all movements through the intersection
 - (b) Peak hour factor
 - (c) Percentage of heavy vehicles
 - (d) Volume distribution across lanes for multi-lane entries
- (4) Operational Analysis input and output (PDF)

901.5.1 Roundabouts

The following additional items are required for Roundabout Review Packages:

- (1) Fastest Path Speed Checks in accordance with **NCHRP 672 Section 6.7.1** (PDF and CADD)
- (2) Sight Distance Checks in accordance with **NCHRP 672 Section 6.7.3** (PDF and CADD)

901.5.2 Diverging Diamond Interchanges

The following additional items are required for Diverging Diamond Interchange Review Packages:

- (1) Horizontal alignment data including baseline locations, curve data, stationing, and cardinal points (PC, PT, etc.)
- (2) Vertical alignments
- (3) Cross slopes
- (4) Conceptual Drainage Plan