## **Facilities Development Process**

Phase Names Phase Elements			ase Names	Project Initiation	Proje	ect Definition		Complete / Approved Submitted LET Award			ecution	
Life Cycle (Construction ID)			ction ID)	00	10		11	12	15	20		40
Milestone			•	Project I Com	nitiation Prelim plete Con	n. Scope Certific Appro	cation Comp oved Start	plete / Appr		PS&E Pro ubmitted L	ject Pr ET Av	oject vard
	Plan		Scope	- Conceptual Scope	- Prelim. Scope - Final Scope			- Implement Scope				
	Project Management		Schedule	- Conceptual Milestone Schedule 🗘 - APLP Target Goals & Schedule - Program Let Schedule	- Final - Fina - Final	Ailestone Schedule Vork Breakdown I APLP Schedule Let Schedule Date et Schedule Dates		- Monitor and Manage Sched				
Deliverables (Deliverables listed mag have been started in a	Project I	Project I	Budget	- Conceptual Const.Estimate	- C	n Deliverg Budget onst. Estimate on-Let Estimate	- Refine Const. Estimate - Refine Non-Let Estimate					
previous phase but must be completed prior to advancing to the next phase)	Phase Deliverables		Deliverables	<ul> <li>Design ID(s) loaded</li> <li>Construction ID(s) loaded</li> <li>Design ID(s) Authorized</li> <li>Improvement Type</li> <li>Structures Identified</li> <li>Signed SMFA (design connect.hwg.)</li> </ul>	• Purpose and Need • Resource Assignments • Improvement Strategy	Assignments Scoping Template		- Prelim. Plan - Structure Survey Report - Prelim. Structure Plan - Signed Env. Document - Signed DSR - Signed DSR - Railroad Proj. Submittal Package - Recordable Plat - Risk Assessment		• Plan Revisions • Bid Advertisement • Addenda (if required)	- Bid Review	• Design ID Closed • Design Files Archived
					- Safety (and ( - Ris	Operations) Certification sk Assessment		- THISK TISSESSINGING				
Phase Activities			ties			see	FDM Chapter 3 -	Attachment 1.2				
(	hange N	lanage	ement	Establis	shes original baseline for ap	oplying Change Management process.	Ch	ange Management process in	effect.			

# **Facilities Development Process**

Phase Names Phase Elements		Project Initiation	Project De	efinition	Project Delivery				Project Proposal Execution		
Life Cyc	le (Construction ID)	00	10	11	12 15		15	20		40	
Milestone		Project Con	nplete Sco	ope Certifi	cation Co	sourcing omplete/ tart Final Delivery	Design Stu Appro	dy Report oved PS&E Su	ubmitted Proj	ect LET Pro	oject vard
Program Year		7-8	6		4			2		0	
	Scope	Program Loaded on-Time (PLOT)	Program Scoped On-Time	e at Scoping (PSOT)		Scope Adherence					
			•		ram Life Cycle F	Report	ın On Time	<b>———</b>			
Performance Measures	Schedule			Delivi	l	(DRK)		Achievi Milestone	ng PS&E s Measures Advertise with Holds		
	Budget				•	Design On-	-Budget Liv	ve (DOBL)	Engineering Estimate Accuracy		Engineering Delivery Cost Index (EDCI)
	Quality				4		Quantities Quality Ind				

Attachment 1.1

### **Facilities Development Process Phase Activities**

#### **Project Initiation Phase**

This is a list of activities that may occur during this phase. This list is not all inclusive. Some activities are listed under multiple phases. Improvement type will determine when activities take place and the level of effort required. Refer to appropriate FDM chapters and other manuals for specific guidance on activities.

Project Initiation Phase Activity	Reference
Improvement Type	FDM 11-1 Att. 10.1 - Improvement Strategies, Improvement Concepts, and Design Criteria Applications
	PMM 05-10-05 - Project Description
Concept definition	FDM 11-4-1 - Concept Definition Report
Project needs/limits	PMM 3-5-5 - Program Development *
Cost per mile estimate	PMM 3-5-5 - Program Development *
State Municipal Agreements (Financial and Maintenance)	PMM 3-25-20 - State Municipal Agreements *
FIIPS projects (design and construction)	PMM Chapter 5 - Financial Integrated Improvement Programming System (FIIPS) *
FIIPS life cycle	PMM Chapter 5 - Financial Integrated Improvement Programming System (FIIPS) *
Design ID authorization	PMM Chapter 5 - Financial Integrated Improvement Programming System (FIIPS) *

<sup>\*</sup>Only WisDOT employees have access to this.

### **Project Definition Phase**

This is a list of activities that may occur during this phase. This list is not all inclusive. Some activities are listed under multiple phases. Improvement strategy will determine when activities take place and the level of effort required. Refer to appropriate FDM chapters and other manuals for specific guidance on activities.

Project Definition Phase Activity	Reference		
	FDM 3-10-10 - Scheduling and Programming		
Let schedule date	FDM 19-1-3 - Project Letting Process (PLP)		
Purpose and need	FDM Chapter 20 - Environmental Documents, Reports and Permits		
Consultant resources			
Prepare consultant solicitation	FDM 8-5 - Securing Consultant Services		
Review NOIs	Utility Coordination Guide Chapter 18 - Consultant Design		
Make selection	Contracts		
Negotiate Contract			
In-house staff assignments	Refer to region practices		
	Design and Construction Contacts - Bureau of Structures (BOS)		
Bridge design coordination with BOS	Bureau of Structures internal website *		
	Bridge or Structure Certification Document (BOSCD) – <u>Bridge</u> <u>Manual</u>		
Project management strategies for complex project	FDM Chapter 2 - Project Management		
Alternatives development	FDM 3-25-1 - Environmental Scoping, Evaluation and Documentation Overview		
Value Engineering (VE) level 1 - scope study as	FDM 3-15-15 - Value Engineering		
required	PMM 3-1-5 - (Majors) Value Engineering Process *		
Public Involvement Plan	FDM 6-5-10 - Public Involvement Plan		
	FDM 6-5-10 - Public Involvement Plan		
Stakeholders list	TPMS Guidance - Transportation Project Management System guidance *		
Municipality and other agencies outreach	FDM 6-5-15 - Public Involvement Techniques		
State Municipal Agreements (SMFA and SMMA) for construction cost share	PMM 3-25-20 - State Municipal Agreements *		

Project Definition Phase Activity	Reference
Environmental impacts	
Archaeological/historical resources	
Section 106 screening	
Potential park lands (4f and 6f)	
Natural resources	FDM 20-5 - Federal and State Environmental Laws and
Threatened and endangered species	Regulations and Agreements  FDM Chapter 20 - Environmental Documents, Reports and
Upland habitat	Permits
Wetland delineations	FDM Chapter 21 – Hazardous Materials Investigation
Water bodies, streams,	FDM Chapter 22 - Air Quality
floodplains	FDM Chapter 23 - Noise
Hazardous materials	FDM Chapter 24 - Land and Water Resources Impacts
Property impacts	FDM Chapter 25 - Socio-Economic Factors
Agricultural	FDM Chapter 26 - Cultural Resource Preservation
Residential	WisDOT Environment Tools and Forms website
Commercial	
Noise receptors	
Risk Based Environmental Scoping Template	
Environmental document	
Agency coordination	
DNR initial concurrence	FDM Chapter 6 - Public Involvement
Native American letters	
Local Officials Meeting (LOM) or other local officials outreach	FDM 6-5-15 - Public Involvement Techniques
Public Involvement Meeting (PIM) or other public outreach	FDM Chapter 6 - Public Involvement
Manager and initial account (in the di	Follow region procedures for requesting field survey.
Mapping and initial survey (including stream crossing survey)	FDM 9-5-15 - Requests for Photogrammetric Products and Services
Drainage features:	
County drainage boards	
Ditches	FDM 5-15-1 - Local Drainage Boards
Storm sewer	FDM Chapter 13 - Drainage
Curb and gutter	FDM Chapter 10 - Erosion Control and Storm Water Quality
Culvert sizing	·
Underdrains	

Project Definition Phase Activity	Reference		
Initial data gathering and existing conditions:			
Asbuilts and field conditions			
Lane/shoulder widths			
Pavement slopes			
Side slopes/roadside conditions	FDM 11-45-20 - Roadside Hazard Analysis		
Pavement thickness			
Right of way			
Access controls	FDM Chapter 7 - Access Control		
Intersections	FDM 11-5-5 - General Design Consideration - Access Control		
Permits			
Driveway			
Crosswalk			
Lighting			
Freight accommodations			
	FDM Chapter 7 - Access Control		
Access	FDM 11-5-5 - Access Control		
Access	<u>FDM 11-20-10</u> - Driveways		
	FDM 11-25 - Intersections at Grade		
Vertical and horizontal geometrics	FDM 11-10 - Design Controls		
	FDM 11-25 - Intersections at Grade		
Intersections/Interchanges	FDM 11-26 - Roundabouts		
	FDM 11-30 - Interchanges		
Alternative Selection Intersection Control Evaluation	FDM 11-25-3 - Intersection Control Evaluation		
	FDM 11-5-10 - Earthwork		
Earthwork and slope intercepts	FDM 11-15 - Cross-section Elements for Rural Highways and Freeways		
	FDM 11-20 - Cross-section Elements for Urban Highways		
Design Justifications (formerly Exceptions to Standards)	FDM 11-1-20 - Design Justifications (formerly Exceptions to Standards)		
Alternative contracting methods	FDM 11-2 - Alternative Contracting		
Community sensitive design	FDM 11-3-1 - Community Sensitive Design		
Traffic counts/forecasts	FDM 11-5-2 - Travel Demand Forecasts		
Traffic analysis and modeling	Transportation Planning Manual (TPM)		
Trainic analysis and modelling	TEOpS 16-25 - Traffic Model Peer Review Policy		
Roadside design	FDM 11-45 - Other Elements Affecting Geometric Design		
Bike/pedestrian accommodations	EDM 11.46 Ricycle and Podestrian Assemmedations		
Bike Plans	FDM 11-46 – Bicycle and Pedestrian Accommodations		

Project Definition Phase Activity	Reference			
Traffic management methods (TMP)	FDM 44 50 Traffic Control			
Detour technical memo	FDM 11-50 - Traffic Control			
Use of alternative contracting tools	FDM 11-2 - Alternative Contracting			
Scoping Intersection Control Evaluation (ICE)	FDM 11-25-3 - Intersection Control Evaluation			
Safety analysis	FDM 11-38 - Safety Certification Process			
Operations analysis	FDM 11-52-15 – Operations Certification Process			
Parrier system systems	FDM 11-45 - Other Elements Affecting Geometric Design			
Barrier system evaluation	Refer to region practices			
Traffic control	FDM 11-50 - Traffic Control			
Traffic control constrains				
Traffic management methods				
Traffic management plan (TMP)	FDM 11-50-5 - Transportation Management Plan Process			
Utility activities				
DT1077 process	FDM Chapter 18 - Utility Coordination			
Field survey comparison	UC Guide - Utility Coordination Guide			
Preliminary impact utility coordination/review meeting				
Roadside facility coordination	FDM 11-55-40 – Roadside Facilities Coordination			
Rest area(s)				
Safety and weight enforcement facilities (SWEF)	PMM 3-15-01 – State Highway Rehabilitation, Backbone Rehabilitation Program – Overview *			
Railroad activities	FDM Chapter 17 - Railroad Coordination			
	FDM 11-45-30.5 – Existing Barrier System Evaluation			
Beam guard inspections	FDM 11-45-10 – Roadside Design Applications Improvement Strategy			
	Refer to region practices			
Title searches	FDM Chapter 12 - Right of Way Plat Development			
Field review	Refer to region practices			
Operational issues	Refer to region practices			
Soils conditions	Refer to region practices			
Pavement recommendations	FDM Chapter 14 - Pavements			
Storm sewer and culvert surveys	Refer to region practices			
FIIPS life cycle	PMM Chapter 5 - Financial Integrated Improvement Programming System (FIIPS) *			
	PMP Manual Chapter 6 *			
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PMM 6-1-10 - Managing Non-Let (RE, RR, UTL) *			
Control and Detail schedules	UC Guide Chapter 2 - Scheduling of Utility Projects			
	FDM Chapter 12 - Right of Way Plat Development			
Risk assessment	Transportation Project Management System (TPMS) guidance *			

<sup>\*</sup>Only WisDOT employees have access to this.

#### **Project Delivery Phase**

This is a list of activities that may occur during this phase. This list is not all inclusive. Some activities are listed under multiple phases. Improvement type will determine when activities take place and the level of effort required. Refer to appropriate FDM chapters and other manuals for specific guidance on activities.

Value Engineering (VE) Level 2 – alternative analysis  Federal grant and development review process  Find 5-15 - Value Engineering PMM Chapter 3 (For Majors) *  Federal grant and development review process  County drainage boards Ditches Storm sewer Curb and gutter Culvert sizing Underdrains  Public involvement Local Officials Meeting (LOM) or other public outreach Public Involvement Meeting (PIM) or other public outreach Public Involvement Meeting (PIM) or other public involvement Plan  FDM Chapter 6 - Public Involvement Plan  FDM Chapter 7 - Access Control FDM 11-5-5 - Access Control FDM 11-5-5 - Access Control FDM 11-20-10 - Driveways FDM 11-20 - Design Justifications (Exceptions to Standards)  Draft preliminary plan Per FDM including: Design notes identifying proposed work (culverts, beam guard, spot improvements) Horizontal/vertical alignment OSOW turning maneuvers (temp/permanent)  Sensitive areas  Design Study Report  FDM 11-4-10 - Design Study Report  FDM 11-4-10 - Design Study Report	Project Delivery Phase Activity	Reference
Federal grant and development review process  Federal grant and development review process  FDM 5-1-5 - Federal Grants and Development Process  County drainage boards Ditches Storm sewer Curb and gutter Culvert sizing Underdrains  Public involvement Local Officials Meeting (LOM) or other local officials outreach Public Involvement Meeting (PIM) or other public outreach  FDM Chapter 6 - Public Involvement  FDM Chapter 6 - Public Involvement FDM Chapter 20 - Environmental Documents, Reports and Permits  Public Involvement Plan  FDM Chapter 7 - Access Control FDM 11-25 - Intersections at Grade FDM 11-25 - Intersections at Grade  FDM 11-20 - Design Justifications (Exceptions to Standards)  Draft preliminary plan Per FDM including: Design notes identifying proposed work (culverts, beam guard, spot improvements) Horizonal vertical alignment OSOW turning maneuvers (temp/permanent)  Sensitive areas  Design Study Report  FDM 11-4-10 - Design Study Report	Value Engineering (VE) Level 2 elternative analysis	FDM 3-15-15 - Value Engineering
Drainage features  County drainage boards Ditches Storm sewer Curb and gutter Culvert sizing Underdrains  Public involvement Local Officials Meeting (LOM) or other local officials outreach Public nvolvement Meeting (PIM) or other public outreach Public Involvement Meeting (PIM) or other public outreach  Public Involvement Plan  FDM Chapter 6 - Public Involvement Documents, Reports and Permits  Public Involvement Plan  FDM Chapter 7 - Access Control FDM 11-20 - Driveways FDM 11-25 - Intersections at Grade  Public pesign notes identifying proposed work (culverts, beam guard, spot improvements) Horizontal/vertical alignment OSOW turning maneuvers (temp/permanent)  Sensitive areas  PEM 5-15-1 - County Drainage Boards FDM Chapter 10 - Erosion Control and Storm Water Quality FDM Chapter 13 - Drainage  FDM Chapter 6 - Public Involvement FDM Chapter 6 - Public Involvement FDM Chapter 20 - Environmental Documents, Reports and Permits FDM Chapter 7 - Access Control FDM 11-20 - Driveways FDM 11-25 - Intersections at Grade FDM 11-20 - Drivemays FDM 11-21 - Design Justifications (Exceptions to Standards)  FDM Chapter 15 - Plan Preparation FDM Chapter 15 - Plan Preparation FDM 15-1 Attachment 4.1 - Preliminary Plan Worksheet Refer to region practices  FDM 11-4-10 - Design Study Report	value Engineering (VE) Level 2 – alternative analysis	PMM Chapter 3 (For Majors) *
County drainage boards Ditches Storm sewer Curb and gutter Culvert sizing Underdrains  Public involvement Local Officials Meeting (LOM) or other local officials outreach Public involvement Meeting (PIM) or other public outreach Public Involvement Meeting (PIM) or other public outreach Public Involvement Meeting (PIM) or other public Involvement Piblic I	Federal grant and development review process	FDM 5-1-5 - Federal Grants and Development Process
Ditches Storm sewer Curb and gutter Culvert sizing Underdrains  Public involvement Local Officials Meeting (LOM) or other local officials outreach Public Involvement Meeting (PIM) or other public loutreach Public Involvement Meeting (PIM) or other public loutreach  Public Involvement Plan  FDM Chapter 6 - Public Involvement  FDM Chapter 6 - Public Involvement FDM Chapter 20 - Environmental Documents, Reports and Permits  Public Involvement Plan  FDM Chapter 7 - Access Control FDM 11-20-10 - Driveways FDM 11-25 - Intersections at Grade  FDM 11-20 - Design Justifications (Exceptions to Standards)  Design Justifications (Exceptions to Standards)  FDM Chapter 7 - Public Involvement Plan  FDM Chapter 7 - Access Control FDM 11-20 - Driveways FDM 11-25 - Intersections at Grade  FDM 11-20 - Design Justifications (Exceptions to Standards)  FDM Chapter 15 - Plan Preparation FDM Chapter 15 - Plan Preparation FDM 15-1 Attachment 4.1 - Preliminary Plan Refer to region practices  FDM Chapter 15 - Plan Preparation FDM 15-1 Attachment 4.1 - Preliminary Plan Worksheet Refer to region practices  FDM 11-4-10 - Design Study Report	Drainage features	
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Curb and gutter Culvert sizing Underdrains  Public involvement Local Officials Meeting (LOM) or other local officials outreach Public Involvement Meeting (PIM) or other public outreach  Public Involvement Meeting (PIM) or other public outreach  Public Involvement Meeting (PIM) or other public outreach  Public Involvement Plan  FDM Chapter 6 - Public Involvement  FDM Chapter 6 - Public Involvement  FDM Chapter 6 - Public Involvement  FDM Chapter 20 - Environmental Documents, Reports and Permits  Public Involvement Plan  FDM Chapter 7 - Access Control FDM 11-5-5 - Access Control FDM 11-20-10 - Driveways FDM 11-20 - Design Justifications (Exceptions to Standards)  Draft preliminary plan  Per FDM including:  Design notes identifying proposed work (culverts, beam guard, spot improvements) Horizontal/vertical alignment OSOW turning maneuvers (temp/permanent)  Sensitive areas  Design Study Report  FDM 11-4-10 - Design Study Report	Ditches	, ,
Curb and gutter Culvert sizing Underdrains  Public involvement Local Officials Meeting (LOM) or other local officials outreach Public Involvement Meeting (PIM) or other public outreach  Public Involvement Meeting (PIM) or other public Involvement Meeting (PIM) or other public outreach  Public Involvement Plan  FDM Chapter 6 - Public Involvement FDM Chapter 20 - Environmental Documents, Reports and Permits  Public Involvement Plan  FDM Chapter 7 - Access Control FDM 11-5-5 - Access Control FDM 11-5-5 - Access Control FDM 11-20 - Driveways FDM 11-20 - Design Justifications (Exceptions to Standards)  Draft preliminary plan Per FDM including: Design notes identifying proposed work (culverts, beam guard, spot improvements) Horizontal/vertical alignment OSOW turning maneuvers (temp/permanent)  Sensitive areas  Design Study Report  FDM 11-4-10 - Design Study Report	Storm sewer	
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Public hearing  FDM Chapter 20 - Environmental Documents, Reports and Permits  Public Involvement Plan  FDM 6-5-10 - Public Involvement Plan  FDM Chapter 7 - Access Control FDM 11-5-5 - Access Control FDM 11-20-10 - Driveways FDM 11-25 - Intersections at Grade  FDM 11-1-20 - Design Justifications (Exceptions to Standards)  FDM 11-1-20 - Design Justifications (Exceptions to Standards)  Per FDM including:  Design notes identifying proposed work (culverts, beam guard, spot improvements) Horizontal/vertical alignment OSOW turning maneuvers (temp/permanent)  Sensitive areas  FDM 11-4-10 - Design Study Report		
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Access  FDM Chapter 7 – Access Control FDM 11-25-5 – Access Control FDM 11-20-10 – Driveways FDM 11-25 – Intersections at Grade  Design Justifications (Exceptions to Standards)  Draft preliminary plan Per FDM including:  Design notes identifying proposed work (culverts, beam guard, spot improvements) Horizontal/vertical alignment OSOW turning maneuvers (temp/permanent)  Sensitive areas  FDM Chapter 15 - Plan Preparation FDM 15-1 Attachment 4.1 - Preliminary Plan Worksheet Refer to region practices  FDM 11-4-10 - Design Study Report	Public hearing	
Access  FDM 11-5-5 – Access Control FDM 11-20-10 – Driveways FDM 11-25 – Intersections at Grade  Design Justifications (Exceptions to Standards)  Draft preliminary plan Per FDM including:  Design notes identifying proposed work (culverts, beam guard, spot improvements) Horizontal/vertical alignment OSOW turning maneuvers (temp/permanent)  Sensitive areas  FDM 11-1-20 – Design Justifications (Exceptions to Standards)	Public Involvement Plan	FDM 6-5-10 - Public Involvement Plan
Access  FDM 11-20-10 – Driveways FDM 11-25 – Intersections at Grade  Design Justifications (Exceptions to Standards)  Draft preliminary plan Per FDM including:  Design notes identifying proposed work (culverts, beam guard, spot improvements) Horizontal/vertical alignment OSOW turning maneuvers (temp/permanent)  Sensitive areas  FDM 11-20 – Design Justifications (Exceptions to Standards)  FDM 11-1-20 – Design Justifications (Exceptions to Standards)		FDM Chapter 7 – Access Control
FDM 11-20-10 – Driveways FDM 11-25 – Intersections at Grade  Design Justifications (Exceptions to Standards)  Draft preliminary plan Per FDM including:  Design notes identifying proposed work (culverts, beam guard, spot improvements) Horizontal/vertical alignment OSOW turning maneuvers (temp/permanent)  Sensitive areas  FDM 11-20 – Design Justifications (Exceptions to Standards)  FDM 11-1-20 – Design Justifications (Exceptions to Standards)	A	FDM 11-5-5 – Access Control
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alignment OSOW turning maneuvers (temp/permanent)  Sensitive areas  FDM 11-4-10 - Design Study Report		
OSOW turning maneuvers (temp/permanent)  Sensitive areas  FDM 11-4-10 - Design Study Report	·	,
Design Study Report  Design Study Report		
Design Study Report	Sensitive areas	
Design Study Report <u>UC Guide - Chapter 7</u> - Design Study Report		FDM 11-4-10 - Design Study Report
	Design Study Report	UC Guide - Chapter 7 - Design Study Report

Project Delivery Phase Activity	Reference
	FDM 11-5-10 - Earthwork
Earthwork and slope intercepts	FDM 11-15 - Cross-section Elements for Modernization Projects on Rural Highways and Freeways
	FDM 11-20 - Cross-section Elements for Modernization Projects on Urban Highways
Vertical and horizontal geometrics	FDM 11-10 - Design Controls
	FDM 11-25 - Intersections at Grade
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Intersections/Interchanges	FDM 11-30 – Interchanges
	TSDM – Traffic Signal Design Manual
Deadaida dariga / Deadaida Hazard Anglysis	FDM 11-45 - Other Elements Affecting Geometric Design
Roadside design / Roadside Hazard Analysis	FDM 11-45-20 – Roadside Hazard Analysis
Bike/pedestrian accommodations	FDM 11-46 – Bicycle and Pedestrian Accommodations
Traffic management methods (TMP)	FDM 11-50 - Traffic Control
Use of alternative contracting tools	FDM 11-2 - Alternative Contracting
Preliminary plat	FDM Chapter 12 - Right-of-Way Plat Development
Environmental activities	
Agricultural Impact Statement	
Agencies coordination	
DNR	FDM 20-45-35 - Agricultural Impact Statement
Final concurrence	FDM Chapter 20 - Environmental Documents, Reports and
401 permit	Permits
COE	FDM Chapter 22 - Air Quality
404 permit	
Air quality	
Environmental documentation	
Structures activities	Bridge Manual
Structure Survey Report	Bridge Manual Chapter 6 (see 6.2.1 Structure Survey
Preliminary structure plan	Report)
	Bridge Manual Chapter 6 - Plan Preparation
	PMP Manual Chapter 6 *
Control and Detail schedules	PMM 6-1-10 - Managing Non-Let (RE, RR, UTL) *
	UC Guide Chapter 2 - Scheduling of Utility Projects  FDM Chapter 12 - Right of Way Plat Development
Traffic analysis and modeling	TEOpS 16-25 - Traffic analysis and modeling
Traffic analysis and modeling	TEOps 10-25 - Trainc analysis and modeling
System alterations  Jurisdiction Transfers	EDM 4.5. System Alterations
State Trunk Highway System Change	FDM 4-5 - System Alterations
Erosion Control and Storm Water Quality	FDM Chapter 10 - Erosion Control and Storm Water Quality
Real Estate activities	- Divi Chapter 10 - Erosion Control and Storm Water Quality
Plat recorded	EDM Chapter 12 Pight of Way Plat Dayslanment
Relocation orders	FDM Chapter 12 - Right of Way Plat Development  Real Estate Program Manual
	iteal Estate Flograff Marida
Acquisition	

Project Delivery Phase Activity	Reference			
Final plans (plans production)	FDM 15-5-10 - Electronic Plans			
Electronic plan preparation	FDM Chapter 15 - Plan Preparation			
Contractor Data Package	FDM 19-10-43.2 – Contractor Data Packet Submittal			
Railroad activities	FDM Chapter 17 - Railroad Coordination			
Utility activities				
Preliminary right of way plat review				
Potential utility conflicts				
Utility projects	FDM Chapter 18 - Utility Coordination			
DT1078 process	UC Guide - Chapter 9 - Identifying Utility Conflicts			
Utility work plan review	UC Guide - Chapter 10 - Sending Plans to Utilities			
Utility special provisions	Soliding Figure to Stilling			
Work plan approval/Start Work Notice process				
Permitting process				
PS&E review				
PS&E exceptions	FDM Chapter 19 - Plans, Specifications and Estimates			
Proprietary Product Justification/Public Interest Findings	FDM 19-1-5 - Proprietary Products			
Quantities	<u>FDM 19-5-3.3</u> - Quantities			
AASHTO-ware estimate	FDM 19-5-10 - Create Estimate and Proposal			
Pre-PS&E and PS&E electronic submittals	FDM 19-10-1.2 - Submitting Roadway Plans with eSubmit			
Bureau review of pre-PS&E submittal	<u>FDM 19-10-5</u> - Final Review			
Right of Way Certification (DT1899)	FDM 19-10-35 - Right of Way Certification (DT1899)			
Utility Status Report (DT1080)	FDM 19-10-40 - Utility Status Report (DT1080)			
Ounty Oldido Report (211000)	UC Guide - Chapter 15 - Utility Status Report			
Certificate of RR Coordination (DT1804)	FDM 19-10-42 - Certificate of Railroad Coordination with Highway Construction (DT1804)			
Special provisions	FDM 19-15 - Special Provisions			
Special provisions	UC Guide - Chapter 14 - Utility Article of Special Provisions			
Noise report	FDM Chapter 23 - Noise			
Lighting system design	TEOpS 11-02 - Lighting System Design Review			
Traffic Operation permits	Refer to region practices			
State Municipal Agreements (SMFA and SMMA) for construction costs	PMM 3-25-20 - State Municipal Agreements *			
FIIPS life cycle	PMM Chapter 5 - Financial Integrated Improvement Programming System (FIIPS) *			
Schedules and estimates	PMP Manual Chapter 6 - Schedule Module *			
Risk assessment	Transportation Project Management System (TPMS) guidance *			

<sup>\*</sup>Only WisDOT employees have access to this.

#### **Project Proposal Execution Phase**

This is a list of activities that may occur during this phase. This list is not all inclusive. Some activities are listed under multiple phases. Improvement type will determine when activities take place and the level of effort required. Refer to appropriate FDM chapters and other manuals for specific guidance on activities.

Project Proposal Execution Phase Activity	Reference		
Utility activities			
Utility project costs/schedules	FDM Chapter 18 - Utility Coordination		
Plans to utilities	UC Guide - Utility Coordination Guide		
Pre-bid meeting			
PS&E exceptions	FDM 19-1 - PS&E Exception Approval Schedule (Table 1.1)		
	FDM 19-10 - PS&E Transmittal and Composition		
Contractor Data Package	FDM 19-10-43.2 – Contractor Data Packet Submittal		
Advertise	FDM 19-1-1 - Plans, Specifications and Estimates		
Bid letting	FDM 19-1-3 - Project Letting Process (PLP)		
Respond to bid inquiries	FDM 19-22-5 - Post Advertisement Q and A Process		
Addenda	FDM 19-22 - Post Advertisement Activities		
Plan check	<u>FDM 19-40</u> - Review		
Contract award and execution	Standard Spec 103 - Contract Award and Execution		
Close design contracts and projects	PMM Chapter 6 - (see PMM 6-10-55) General Information - Special Considerations-Closing Improvement Contracts and Projects *		

<sup>\*</sup>Only WisDOT employees have access to this.

C = Concurrence A = Approval R = Review	Region Director	PDS Chief	PDS Supervisor	Consultant Supervisor	PDS Project Manager	Other	Comments	Reference
Final Scope Certification		С				A C	Planning/Programming Chief approve; all other chiefs Concur; concurrence can be delegated	FDM 11-4-3
Safety and Operations Certification Document						Х	Planning/Traffic Supervisor	FDM 11-38
Risk-Based Environmental Scoping Template					x	x	PM or Planning/Programming	Env Doc Forms and Tools
Native American Lands of Interest scope determination						Х	Tribal Liaison	Working with Tribal Communities
F4R						Х	Planning Chief or delegate	FDM 3-22
Public Involvement Plan					Х	Х	Regional Communication Manager	FDM 6-5-10
Project Agreement/MOU/MOA with local municipalities					X		After consultation with supervisor/chief	
State Municipal (Financial/ Maintenance) Agreement						Х	SPO Chief	
Environmental Document type: Categorical Exclusions (PCE/CEC)					Х	Х	Region Environmental Coordinator	FDM 20-35-1
Environmental Document type: Environmental Report (ER)			Х			Х	Region Environmental Coordinator	FDM 20-35-1
Environmental Document type:		Х				Х	Region Environmental	FDM 20-35-1
All others (EIS, EA, FONSI)							Coordinator	
Pavement Design Report (PDR)			Х			Х	PDS and TSS designees	FDM 14-15- 25
Encroachment Report			Х				(delegated from chief)	FDM 12-1-20
Design Study Report (DSR)		Х						FDM 11-4-10

C = Concurrence A = Approval R = Review	Region Director	PDS Chief	PDS Supervisor	Consultant Supervisor	PDS Project Manager	Other	Comments	Reference
Propriety Product Justification (PPJ)		Х						FDM 19-1-5
Traffic Management Plan (TMP)/ Incident Management Plan (IMP)		Х			Х	Х	Region Traffic	FDM 11-50-5
WPDES Permit					Х		Or delegated agent	FDM 10-1-2
ROW Cert w/o new Right of Way ROW Cert with new Right of Way			Х		X	х	TSS-RE representative	FDM 19-10- 35
Cert of Railroad Coordination						Х	TSS-Railroad Coordinator	FDM 19-10- 42
Utilities Status Report						Х	TSS-Utility representative	FDM 18-10- 40
PS&E Exceptions (in pseTrak)		С			Х	C X	PDS/TSS chief concur; PM/Functional Lead entry	FDM 19-1-1
Plan title sheet					X		As designated by region	FDM 15-1-10
Right of Way title sheet						Х	RE/Plat Supervisor or TSS Chief	FDM 12-10
Local Force Account (LFA)  LFA under \$5000	Х					х	Maintenance Supervisor	FDM 19-25
Consultant contracts under \$3000				Χ				FDM 8-20-1
Consultant contracts over \$3000				R				FDM 8-20-1
Consultant contract amendment /work order master under \$50,000				Х				FDM 8-20-1
Consultant contract amendment/ Work order master over \$50,000				R				FDM 8-20-1