



Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	19	2020				2021						
							O	J	A	J	O	J	A	J	O			
1	<b>TIP Milestones</b>	<b>461d</b>	<b>1/16/2020</b>	<b>11/11/2021</b>														
2	Scoping PRC Approval		1/16/2020	1/16/2020		22		2										
3	Consultant NTP - Scoping		3/19/2020	3/19/2020		32		3										
4	Approve Recommended Alternative		2/4/2021	2/4/2021		120						4						
5	Geotechnical/Pothole Layout Submittal		2/15/2021	2/15/2021		88, 128, 135						5						
6	Draft Scoping Document/Plans		7/30/2021	7/30/2021		167											6	
7	Scoping Pothole Clearance		4/12/2021	4/12/2021		89, 90, 129, 130											7	
8	Environmental ID Memo		9/22/2021	9/22/2021		179												8
9	Final Scoping (30%) Document/Plans		10/13/2021	10/13/2021		191												9
10	Scoping Document Approval		11/11/2021	11/11/2021		194												10
11	<b>Project Management</b>	<b>142d</b>	<b>11/7/2019</b>	<b>6/2/2020</b>				11										
12	<b>Project Work Plan</b>	<b>47d</b>	<b>11/7/2019</b>	<b>1/16/2020</b>				12										
13	Draft and Submit PWP to Project Team	10d	11/7/2019	11/20/2019				13										
14	Team PWP Review and Comment	10d	11/21/2019	12/6/2019				14										
15	Branch Manager QC Review	10d	11/21/2019	12/6/2019				15										
16	PWP Comment Resolution Meeting	1d	12/9/2019	12/9/2019				16										
17	Prepare and Submit PWP Final Draft to Division Managers	3d	12/10/2019	12/12/2019				17										
18	Division Manager QA Review	15d	12/13/2019	1/6/2020				18										



Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	19   2020   2021															
							O	J	A	J	O	J	A	J	O							
19	Update PWP and Submit PRC Request	3d	1/7/2020	1/9/2020		18																
20	Prepare PRC Agenda Package	1d	1/10/2020	1/10/2020		19																
21	Review PRC Package	3d	1/13/2020	1/15/2020		20																
22	Present at PRC	1d	1/16/2020	1/16/2020 *		21																
23	<b>Onboard Consultant (DELETE IF IN-HOUSE)</b>	<b>63d</b>	<b>1/17/2020</b>	<b>4/16/2020</b>																		
24	<b>Design Consultant Advertisement</b>	<b>63d</b>	<b>1/17/2020</b>	<b>4/16/2020</b>																		
25	Prepare Design Consultant Advertisement	10d	1/17/2020	1/31/2020		22																
26	Design Consultant Advertisement	25d	1/31/2020	3/6/2020		25																
27	Review Bids & Select Design Consultant	20d	3/6/2020	4/2/2020		26																
28	Award Bid & Issue NTP	10d	4/3/2020	4/16/2020		27																
29	<b>On-board On-Call Design Consultant (Delete if Advertising)</b>	<b>43d</b>	<b>1/17/2020</b>	<b>3/19/2020</b>																		
30	Select Consultant	5d	1/17/2020	1/24/2020		22																
31	Negotiate Consultant Scope and Fee	30d	1/24/2020	3/6/2020		30																
32	Issue Consultant NTP	10d	3/6/2020	3/19/2020		31																
33	<b>Progress Meetings</b>	<b>22d</b>	<b>5/1/2020</b>	<b>6/2/2020</b>																		
34	Kickoff Meeting	1d	5/1/2020	5/1/2020		22, 32 10d, 28 10d																
35	Preliminary Site Visit	1d	5/18/2020	5/18/2020		34 10d																



Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	19	2020				2021					
							O	J	A	J	O	J	A	J	O		
36	Progress Meeting(s)	1d	6/2/2020	6/2/2020		34 20d				36							
37	<b>Scoping Design Phase</b>	<b>461d</b>	<b>1/17/2020</b>	<b>11/11/2021</b>													
38	<b>Preliminary Data Acquisition</b>	<b>109d</b>	<b>1/17/2020</b>	<b>6/22/2020</b>													
39	<b>Survey</b>	<b>45d</b>	<b>1/17/2020</b>	<b>3/23/2020</b>													
40	Submit Survey Request	1d	1/17/2020	1/17/2020		22											
41	Perform, Deliver and Archive Survey	25d	2/18/2020	3/23/2020		40 20d											
42	<b>Traffic Analysis</b>	<b>15d</b>	<b>5/4/2020</b>	<b>5/22/2020</b>													
43	Review and Verify Existing Traffic Data Analysis	5d	5/4/2020	5/8/2020		34											
44	Prepare and Submit Draft Traffic Analysis Report	10d	5/11/2020	5/22/2020		43											
45	<b>Data Gathering</b>	<b>35d</b>	<b>5/4/2020</b>	<b>6/22/2020</b>													
46	Confirm Purpose, Need and Roadway Classification	1d	5/4/2020	5/4/2020		34											
47	Review Existing As-builts, Historical reports, Permits, Area Plan, ADMP, etc.	10d	5/4/2020	5/15/2020		34											
48	Draft PIO Outreach Plan	10d	5/4/2020	5/15/2020		34											
49	Review IGA Partnership Opportunity Assessment	10d	5/4/2020	5/15/2020		34											
50	<b>Utilities Data</b>	<b>25d</b>	<b>5/4/2020</b>	<b>6/8/2020</b>													
51	Submit Utilities Prior Rights and Base Map Request	5d	5/4/2020	5/8/2020		34, 41											
52	Develop Utility Base Map	10d	5/11/2020	5/22/2020		51											



Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	19	2020				2021						
							O	J	A	J	O	J	A	J	O			
53	Develop Utility Identification and Issue Summary	10d	5/26/2020	6/8/2020		51, 52			53									
54	<b>ROW Data</b>	<b>30d</b>	<b>5/4/2020</b>	<b>6/15/2020</b>					54									
55	Submit ROW Base Map Request	5d	5/4/2020	5/8/2020		34, 41			55									
56	Develop ROW Base Map	20d	5/11/2020	6/8/2020		55			56									
57	Obtain Preliminary Title Reports (as required)	30d	5/4/2020	6/15/2020		34			57									
58	Review Acquired Data, Identify Additional Information Needs	5d	6/16/2020	6/22/2020		35, 43, 44, 46, 47, 48, 49, 53, 56, 57			58									
59	<b>Design Criteria</b>	<b>25d</b>	<b>5/4/2020</b>	<b>6/8/2020</b>					59									
60	Develop and Submit Design Criteria	10d	5/4/2020	5/15/2020		34			60									
61	MCDOT Review and Comment Period - Acquired Data and Design Criteria	10d	5/18/2020	6/1/2020		60			61									
62	Update Design Criteria	5d	6/2/2020	6/8/2020		61			62									
63	Prepare and Submit Draft Traffic Tech Memo	10d	6/9/2020	6/22/2020		44, 62			63									
64	<b>Conceptual Phase</b>	<b>58d</b>	<b>6/9/2020</b>	<b>8/28/2020</b>					64									
65	<b>Conceptual Alternatives P&amp;E, Technical Analysis</b>	<b>26d</b>	<b>6/9/2020</b>	<b>7/15/2020</b>					65									
66	Develop Drainage Crossing Concepts, Analysis and Cost Estimates	10d	6/9/2020	6/22/2020		62			66									
67	Develop Structural Concepts, Analysis and Cost Estimates	10d	6/9/2020	6/22/2020		62			67									



Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	19   2020   2021															
							O	J	A	J	O	J	A	J	O							
68	Develop Pavement Section and Foundation Concepts, Analysis and Cost Estimates	10d	6/9/2020	6/22/2020		62																
69	Develop Conceptual Alternative Typical Sections, Plans and Exhibits	15d	6/23/2020	7/14/2020		63, 62, 66, 67, 68																
70	Submit Conceptual Alternatives P&E	1d	7/15/2020	7/15/2020		69																
71	<b>Conceptual Alternatives Matrix</b>	<b>21d</b>	<b>7/16/2020</b>	<b>8/13/2020</b>																		
72	Develop and Submit Conceptual Evaluation Criteria	5d	7/16/2020	7/22/2020		70																
73	Update Conceptual Evaluation Criteria Matrix	5d	7/23/2020	7/29/2020		72																
74	MCDOT Review - Conceptual Evaluation Criteria Matrix	10d	7/30/2020	8/12/2020		73																
75	Final Conceptual Alternative Screening Matrix	1d	8/13/2020	8/13/2020		74																
76	<b>Conceptual Alternatives Review and Selection</b>	<b>11d</b>	<b>8/14/2020</b>	<b>8/28/2020</b>																		
77	Perform Utility Conflict Review and Technical Analysis	10d	8/14/2020	8/27/2020		70, 75																
78	Perform Environmental Inventory, Analysis and Fatal Flaw Review	10d	8/14/2020	8/27/2020		70, 75																
79	Perform Conceptual Alternatives Review and Recommendation	5d	8/14/2020	8/20/2020		70, 75																
80	Select Candidate Alternatives	1d	8/28/2020	8/28/2020		58, 62, 77, 78, 79																
81	<b>Candidate Phase (15%)</b>	<b>107d</b>	<b>8/31/2020</b>	<b>2/4/2021</b>																		
82	<b>Candidate Alternatives Data</b>	<b>69d</b>	<b>8/31/2020</b>	<b>12/9/2020</b>																		



Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	19	2020				2021								
							O	J	A	J	O	J	A	J	O					
83	Provide Land Value Estimates and ROW Acquisition Timeline	30d	8/31/2020	10/12/2020		80														
84	Complete Initial Hydrology	10d	8/31/2020	9/14/2020		80														
85	Affirm Public Involvement Strategy Need and Schedule Event	10d	8/31/2020	9/14/2020		80														
86	Identify Potential Project Impact to Resources and Respective Agencies	10d	8/31/2020	9/14/2020		80														
87	<b>Utility Audit Field Work</b>	<b>55d</b>	<b>8/31/2020</b>	<b>11/17/2020</b>																
88	Identify Audit Potholes	5d	8/31/2020	9/4/2020		80														
89	Provide Right of Entry for Utility Field Work	40d	9/8/2020	11/2/2020		88														
90	Provide Environmental Clearance for Utility Field Work	20d	9/8/2020	10/5/2020		88														
91	Perform Utility Field Work	10d	11/3/2020	11/17/2020		89, 90														
92	Update Utility Base Map(s)	10d	11/17/2020	12/2/2020		80, 91														
93	Update Utility Issue Summary	5d	12/3/2020	12/9/2020		92														
94	<b>Candidate Alternatives PS&amp;E, Technical Analysis</b>	<b>50d</b>	<b>8/31/2020</b>	<b>11/9/2020</b>																
95	Update Design Criteria	5d	8/31/2020	9/4/2020		80														
96	Update Drainage Alternatives, Crossing Analysis, and Cost Estimates	10d	9/15/2020	9/28/2020		80, 84, 95														
97	Update Structural Alternatives, Analysis, and Cost Estimates	10d	9/15/2020	9/28/2020		80, 84, 95														



Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	19   2020   2021																
							O	J	A	J	O	J	A	J	O								
98	Update Pavement Sections, Foundation Alternatives, Geotechnical Analysis, and Cost Estimates	10d	9/15/2020	9/28/2020		80, 84, 95																	
99	Update Environmental Inventory and Analysis	10d	9/15/2020	9/28/2020		80, 84, 95																	
100	Develop and Submit Candidate Alternatives PS&E	15d	9/15/2020	10/5/2020		84, 95																	
101	Develop ROW Acquisition Timeline	20d	10/13/2020	11/9/2020		83, 100																	
102	<b>Candidate Alternatives Matrix</b>	<b>35d</b>	<b>10/6/2020</b>	<b>11/24/2020</b>																			
103	Develop and Submit Evaluation Criteria	5d	10/6/2020	10/12/2020		80, 100																	
104	Update Evaluation Criteria Matrix	5d	10/13/2020	10/19/2020		103																	
105	MCDOT Review - Evaluation Criteria Matrix	10d	11/10/2020	11/24/2020		96, 97, 98, 99, 100, 101, 104																	
106	Final Alternative Screening Matrix	1d	11/24/2020	11/24/2020		105																	
107	<b>Alternatives Analysis</b>	<b>82d</b>	<b>10/6/2020</b>	<b>2/4/2021</b>																			
108	<b>Draft Technical Memoranda</b>	<b>54d</b>	<b>10/6/2020</b>	<b>12/23/2020</b>																			
109	Draft Alternatives Analysis Technical Memo	10d	10/6/2020	10/19/2020		80, 100																	
110	Draft Drainage Technical Memo	10d	10/20/2020	11/2/2020		109																	
111	Draft Geotechnical and Pavement Technical Memo	10d	10/20/2020	11/2/2020		109																	
112	Draft Structural Technical Memo	10d	10/20/2020	11/2/2020		109																	
113	Draft Utility Technical Memo	10d	12/10/2020	12/23/2020		93, 109																	



Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	19	2020				2021						
							O	J	A	J	O	J	A	J	O			
114	Public Outreach Activity	1d	10/20/2020	10/20/2020		109												
115	Final Alternatives Analysis Technical Memo	10d	12/24/2020	1/8/2021		101, 106, 110, 111, 112, 113												
116	Candidate Alternatives Review and Recommended Alternative Selection	18d	1/11/2021	2/4/2021														
117	MCDOT Review and Comment Period - Alternatives Analysis	10d	1/11/2021	1/25/2021		106, 114, 115												
118	Designer Review of Comments and Submit Responses - Alternatives Analysis	5d	1/25/2021	1/29/2021		117												
119	Comment Resolution Meeting - Alternatives Analysis	1d	2/1/2021	2/1/2021		118												
120	Select Recommended Alternative	3d	2/2/2021	2/4/2021		85, 86, 119												
121	Draft SDR (25%)	151d	2/5/2021	9/8/2021														
122	Confirm IGA Need	5d	2/5/2021	2/11/2021		120												
123	Public Follow-up (as required) on Selected Alternative	5d	2/5/2021	2/11/2021		120												
124	Supplemental Survey (if required)	36d	2/5/2021	3/26/2021														
125	Prepare and Submit Supplemental Survey Request	1d	2/5/2021	2/5/2021		120												
126	Perform, Deliver and Archive Supplemental Survey	15d	3/8/2021	3/26/2021		125 20d												
127	Supplemental Utility Field Work (if required)	77d	2/5/2021	5/24/2021														





MCDOT Phase 2 - Live

Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	Gantt Chart (19, 2020, 2021)																
							19	J	A	J	O	J	A	J	O								
128	Prepare and Submit Utility Pothole List	7d	2/5/2021	2/15/2021		120																	
129	Provide Right of Entry for Utility Field Work	40d	2/16/2021	4/12/2021		128																	
130	Provide Environmental Clearance for Utility Field Work	20d	2/16/2021	3/15/2021		128																	
131	Perform Utility Field Work	20d	4/13/2021	5/10/2021		129, 130																	
132	Update Utility Base File	5d	5/11/2021	5/17/2021		131																	
133	Utility Company Review of Recommended Alternative	10d	5/11/2021	5/24/2021		131																	
134	<b>Geotechnical Field Work</b>	<b>65d</b>	<b>2/5/2021</b>	<b>5/6/2021</b>																			
135	Prepare and Submit Geotechnical Borehole List	5d	2/5/2021	2/11/2021		120																	
136	Provide Right of Entry for Geotechnical Field Work	40d	2/12/2021	4/8/2021		135																	
137	Provide Environmental Clearance for Geotechnical Field Work	30d	2/12/2021	3/25/2021		135																	
138	Perform Geotechnical Field Work	20d	4/9/2021	5/6/2021		136, 137																	
139	<b>Draft Plan, Profile and Sections Development</b>	<b>10d</b>	<b>3/29/2021</b>	<b>4/9/2021</b>																			
140	Roadway Plan and Profile	10d	3/29/2021	4/9/2021		126, 120																	
141	Geometric Control Sheet	10d	3/29/2021	4/9/2021		126, 120																	
142	Draft Drainage Layout	10d	3/29/2021	4/9/2021		126, 120																	
143	Draft Structures Layout	10d	3/29/2021	4/9/2021		126, 120																	



Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	19		2020				2021							
							O	J	A	J	O	J	A	J	O					
144	Draft Signing and Striping Layout	10d	3/29/2021	4/9/2021		126, 120														
145	Draft Signal/ITS Layout	10d	3/29/2021	4/9/2021		126, 120														
146	Draft Maintenance of Traffic and Constructability Plan	10d	3/29/2021	4/9/2021		126, 120														
147	<b>Design Exceptions</b>	<b>20d</b>	<b>4/12/2021</b>	<b>5/7/2021</b>																
148	Identify and Document Design Exceptions	10d	4/12/2021	4/23/2021		126, 140, 141, 142, 143, 144, 145, 146, 120														
149	Submit Design Exceptions	5d	4/26/2021	4/30/2021		148														
150	Approve Design Exceptions	5d	5/3/2021	5/7/2021		149														
151	<b>Draft SDR (25%) TMs</b>	<b>47d</b>	<b>5/3/2021</b>	<b>7/8/2021</b>																
152	Update Draft Drainage Technical Memo	10d	5/3/2021	5/14/2021		142, 149, 120														
153	Update Draft Geotechnical and Pavement Technical Memo	10d	5/7/2021	5/20/2021		138, 149, 120														
154	Update Draft Structural Technical Memo	10d	5/3/2021	5/14/2021		143, 149, 120														
155	Update Draft Utility Technical Memo	10d	5/18/2021	6/1/2021		132, 149, 120														
156	Prepare and Submit Draft Right of Way Technical Memo	10d	5/3/2021	5/14/2021		83, 149, 120														
157	Prepare and Submit Final Traffic Technical Memo	10d	5/3/2021	5/14/2021		141, 149, 120														
158	Prepare and Submit Public Involvement Summary	10d	5/3/2021	5/14/2021		123, 149, 120														



MCDOT Phase 2 - Live

Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	19			2020			2021		
							O	J		A	J		O	J	A
159	Prepare and Submit Final Sealed Alternatives Analysis Report	10d	5/3/2021	5/14/2021		149, 120									159
160	MCDOT Review - Draft SDR TMs	10d	6/2/2021	6/15/2021		152, 153, 154, 155, 156, 157, 158, 159									160
161	MCDOT Review and Comment Period - Draft SDR TMs	10d	6/16/2021	6/29/2021		150, 160									161
162	Designer Review of Comments and Submit Responses - Draft SDR TMs	5d	6/30/2021	7/7/2021		161									162
163	Comment Resolution Meeting - Draft SDR TMs	1d	7/8/2021	7/8/2021		162									163
164	Prepare and Submit Draft Draft Environmental Memo	10d	7/9/2021	7/22/2021		120, 149, 166 FF -40h									164 5d
165	Update Draft Roadway Plans, Profiles and Sections	5d	7/9/2021	7/15/2021		120, 150, 163									165
166	Prepare Draft Scoping Document	10d	7/16/2021	7/29/2021		122, 165, 150, 83, 132, 133, 138									166
167	Submit Draft Scoping Document	1d	7/30/2021	7/30/2021		164, 166									167 5d
168	Field Walk with Project Team	1d	8/9/2021	8/9/2021		167 5d									168
169	MCDOT Review - Draft Scoping Material	10d	8/2/2021	8/13/2021		167									169
170	Draft SDR Constructability Review (In-house only; delete if consultant-led design)	15d	8/2/2021	8/20/2021		167									170
171	Designer Review of Comments and Submit Responses - Draft SDR	10d	8/23/2021	9/3/2021		168, 169, 170									171



MCDOT Phase 2 - Live

Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	Gantt Chart											
							19	2020				2021						
							O	J	A	J	O	J	A	J	O			
172	Comment Resolution Meeting - Draft SDR	1d	9/7/2021	9/7/2021		171										172		
173	Draft Scoping Report Approved	1d	9/8/2021	9/8/2021		172										173		
174	<b>SDR (30%)</b>	<b>46d</b>	<b>9/9/2021</b>	<b>11/11/2021</b>												174		
175	Determine if VE Study Recommendation required	1d	9/9/2021	9/9/2021		173										175		
176	<b>Final SDR (30%) TMs</b>	<b>10d</b>	<b>9/9/2021</b>	<b>9/22/2021</b>												176		
177	Prepare and Submit Final Drainage Technical Memo	10d	9/9/2021	9/22/2021		173										177		
178	Prepare and Submit Final Utilities Technical Memo	10d	9/9/2021	9/22/2021		173										178		
179	Prepare and Submit Final Environmental Technical Memo (EIM)	10d	9/9/2021	9/22/2021		173										179		
180	Prepare and Submit Final Right of Way Technical Memo	10d	9/9/2021	9/22/2021		173										180		
181	Prepare and Submit Sealed Geotechnical and Pavement Technical Memo	10d	9/9/2021	9/22/2021		173										181		
182	Prepare and Submit Sealed Structural Technical Memo	10d	9/9/2021	9/22/2021		173										182		
183	Prepare and Submit Sealed Traffic Technical Memo	10d	9/9/2021	9/22/2021		173										183		
184	<b>Update and Submit Final Scoping Plans</b>	<b>15d</b>	<b>9/9/2021</b>	<b>9/29/2021</b>												184		
185	General Sheets	5d	9/9/2021	9/15/2021		173										185		
186	Roadway	10d	9/9/2021	9/22/2021		173										186		
187	Drainage	10d	9/9/2021	9/22/2021		173										187		



MCDOT Phase 2 - Live

Line	Task name	Duration (Working Days)	Start	Finish	Finish (Baseline)	Predecessors	19   2020   2021												
							O	J	A	J	O	J	A	J	O				
188	Traffic	10d	9/9/2021	9/22/2021		173													188
189	Bridge	10d	9/9/2021	9/22/2021		173													189
190	Earthwork	5d	9/23/2021	9/29/2021		185, 186, 187, 188, 189													190
191	Prepare and Submit Final Scoping Document	10d	9/30/2021	10/13/2021		175, 183, 190, 177, 181, 182, 178, 179, 180													191
192	MCDOT Review - Final Comment and Compliance of Final SDR	15d	10/14/2021	11/3/2021		191													192
193	Circulate for Signatures - Final SDR	5d	11/4/2021	11/10/2021		192													193
194	Scoping Document Approval	1d	11/11/2021	11/11/2021		193													194

**Symbols**

	Milestone		Critical		Finish On
--	-----------	---	----------	---	-----------