

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	'17							Feb 26, '17		
								T	W	T	F	S	S	M	T		
1		Contract Award	0 days	Tue 11/21/17	Tue 11/21/17												
2		Authorization to Proceed W/Submittals	0 days	Tue 11/21/17	Tue 11/21/17	1											
3		Preconstruction Meeting	0 days	Tue 11/21/17	Tue 11/21/17	1											
4		Precast Submittals	110 days	Tue 11/21/17	Wed 4/18/18												
5		Prepare Precast Submittals	40 days	Tue 11/21/17	Mon 1/15/18	2											
6		Precast Submittals Review	20 days	Tue 1/16/18	Mon 2/12/18	5											
7		Release Drawings for Production	4 days	Tue 2/13/18	Fri 2/16/18	6											
8		Pre-Production Meeting	1 day	Mon 2/19/18	Mon 2/19/18	7											
9		Precast Production	40 days	Tue 2/27/18	Wed 4/18/18	8FS+5 days											
10		Traffic Control	40 days	Tue 11/21/17	Mon 1/15/18												
11		Site Specific Plan	30 days	Tue 11/21/17	Mon 1/1/18	2											
12		VAOT Review	10 days	Tue 1/2/18	Mon 1/15/18	11											
13		Preconstruction Conference	1 day	Tue 2/13/18	Tue 2/13/18	1FS+60 days											
14		CPM Schedule	40 days	Tue 11/21/17	Mon 1/15/18												
15		Create CPM Schedule	20 days	Tue 11/21/17	Mon 12/18/17	2											
16		CPM Schedule Review	15 days	Tue 12/19/17	Mon 1/8/18	15											

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17		CPM Schedule Resubmittal	5 days	Tue 1/9/18	Mon 1/15/18	16									
18		Concrete Mix Design Approval	21.88 days	Wed 4/4/18	Fri 4/27/18										
19		Rapid Set Mix Design Approval	10 days	Wed 4/4/18	Mon 4/16/18	45SS-10 days									
20		High Performance Concrete Mix Approval	10 days	Tue 4/17/18	Fri 4/27/18	46SS-15 days									
21		Trial Batch Rapid Set	5 days	Mon 4/16/18	Fri 4/20/18	19									
22		Early on Site Coordination	1 day	Wed 3/7/18	Thu 3/8/18	45SS-30 days									
23		Bridge Closure Letter	1 day	Tue 3/20/18	Wed 3/21/18	45SS-21 days									
24		Public Outreach Meeting	1 day	Wed 3/21/18	Thu 3/22/18	45SS-20 days									
25		Advanced Warning Signs	1 day	Fri 4/6/18	Fri 4/6/18										
26		1 Week Prior to Closure Period	7.25 days	Mon 4/9/18	Mon 4/16/18										
27		EPSC Perimeter Controls	1 hr	Mon 4/9/18	Mon 4/9/18										
28		Clear and Grub	5 hrs	Mon 4/9/18	Mon 4/9/18	27									
29		Mobilization	1 day	Mon 4/9/18	Tue 4/10/18	28									
30		Removal of Parking Meters	2 hrs	Tue 4/10/18	Tue 4/10/18	29									
31		Removal of Existing Sidewalk	8 hrs	Tue 4/10/18	Wed 4/11/18	29									

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32		Removal of Existing Patio	3 hrs	Tue 4/10/18	Tue 4/10/18	30												
33		Removal of Wiring	2 hrs	Wed 4/11/18	Wed 4/11/18	32												
34		Excavate Around Retaining Wall	2 hrs	Wed 4/11/18	Wed 4/11/18	31												
35		Cut and Remove Retaining Wall	2 hrs	Wed 4/11/18	Wed 4/11/18	34												
36		Remove Asphalt Paving	1 day	Wed 4/11/18	Thu 4/12/18	35												
37		Preclosure Meeting	2 hrs	Thu 4/12/18	Thu 4/12/18	36												
38		Excavate Around Stone Wall	2 hrs	Thu 4/12/18	Thu 4/12/18	36												
39		Remove Stone Wall	2 hrs	Thu 4/12/18	Thu 4/12/18	38												
40		Remove Signs	4 hrs	Thu 4/12/18	Fri 4/13/18	39												
41		Excavate Around Wingwall 3	2 hrs	Fri 4/13/18	Fri 4/13/18	40												
42		Cut and Remove Wingwall 3	2 hrs	Fri 4/13/18	Fri 4/13/18	41												
43		Excavate Around Utility Conduits	4 hrs	Fri 4/13/18	Mon 4/16/18	42												
44		Remove Abandoned Utility Prior to Project	1 day	Fri 4/13/18	Mon 4/16/18	41,42												
45		s13j280bridge_closure	25 days	Mon 4/16/18	Fri 5/4/18													
1		Erect Road Closure Devices	4 hrs	Mon 4/16/18	Mon 4/16/18													

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2		Demolish/Disposal of Existing Superstructure	15 hrs	Mon 4/16/18	Tue 4/17/18	1													
3		Common/Structure Excavation	4 hrs	Tue 4/17/18	Wed 4/18/18	2													
4		Cut/Jackhammer Existing Substructure	5 hrs	Wed 4/18/18	Wed 4/18/18	3													
5		Lower Utility Conduits	5 hrs	Wed 4/18/18	Wed 4/18/18	4													
6		Form Bridge Seat 1	12 hrs	Wed 4/18/18	Thu 4/19/18	4													
7		Form Bridge Seat 2	12 hrs	Thu 4/19/18	Fri 4/20/18	6													
8		Rapid Set Bridge Seat 1	6 hrs	Fri 4/20/18	Fri 4/20/18	7													
9		Rapid Set Bridge Seat 2	6 hrs	Sat 4/21/18	Sat 4/21/18	8													
10		Bridge Seat Rapid Set Cure Time	1 day	Sat 4/21/18	Mon 4/23/18	9													
11		Form Retaining Wall	4 hrs	Sat 4/21/18	Sat 4/21/18	9													
12		Form Wingwall 3	4 hrs	Sat 4/21/18	Mon 4/23/18	11													
13		Rapid Set Retaining Wall/ Wingwall 3	4 hrs	Mon 4/23/18	Mon 4/23/18	12													
14		Retaining Wall Rapid Set Cure	1 day	Mon 4/23/18	Tue 4/24/18	13													
15		Backfill Bridge Seat	2 hrs	Mon 4/23/18	Mon 4/23/18	13													
16		Construct Crane Pad	3 hrs	Mon 4/23/18	Mon 4/23/18	15													

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17		Deliver/Install Precast Solid Slabs	20 hrs	Mon 4/23/18	Wed 4/25/18	16														
18		Rapid Set Concrete - Solid Slabs	15 hrs	Wed 4/25/18	Thu 4/26/18	17														
19		Cure Rapid Set Solid Slabs	1 day	Thu 4/26/18	Fri 4/27/18	18														
20		Deliver/Install Approach Slab #1	11 hrs	Thu 4/26/18	Fri 4/27/18	18														
21		Rapid Set Concrete - Approach Slab #1	11 hrs	Fri 4/27/18	Sat 4/28/18	20														
22		Cure Rapid Set Approach Slab #1	1 day	Sat 4/28/18	Mon 4/30/18	21														
23		Deliver/Install Approach Slab #2	11 hrs	Sat 4/28/18	Mon 4/30/18	21														
24		Rapid Set Concrete Approach Slab #2	11 hrs	Mon 4/30/18	Tue 5/1/18	23														
25		Cure Rapid Set Approach Slab #2	1 day	Tue 5/1/18	Wed 5/2/18	24														
26		Rehab Drop Inlet Catch Basin	4 hrs	Tue 5/1/18	Tue 5/1/18	24														
27		Pull Box/ Adjust Elevation Valve Box	4 hrs	Tue 5/1/18	Wed 5/2/18	26														
28		Subbase Dense Graded Crushed Stone-Roadway	4 hrs	Wed 5/2/18	Wed 5/2/18	27														
29		Granite Curb Placement	10 hrs	Wed 5/2/18	Thu 5/3/18	28														

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30		Roadway Stone Placement	4 hrs	Thu 5/3/18	Thu 5/3/18	29									
31		Sheet Membrane, Spray Applied	8 hrs	Thu 5/3/18	Fri 5/4/18	30									
32		Place Traffic Barriers	4 hrs	Fri 5/4/18	Fri 5/4/18	31									
33		Open Roadway	2 hrs	Fri 5/4/18	Fri 5/4/18	32									
46		s13j280post_closure	33.25 days	Mon 5/7/18	Tue 6/12/18										
1		Reset Stone Wall	3 hrs	Mon 5/7/18	Mon 5/7/18										
2		Form Right Bridge Sidewalk	10 hrs	Mon 5/7/18	Tue 5/8/18	1									
3		Pour Right Bridge Sidewalk	7 hrs	Tue 5/8/18	Wed 5/9/18	2									
4		Right Bridge Sidewalk Cure	7 days	Wed 5/9/18	Wed 5/16/18	3									
5		Form Left Bridge Sidewalk	10 hrs	Wed 5/9/18	Thu 5/10/18	3									
6		Pour Left Bridge Sidewalk	7 hrs	Thu 5/10/18	Thu 5/10/18	5									
7		Left Bridge Sidewalk Cure	7 days	Thu 5/10/18	Fri 5/18/18	6									
8		Subbase Dense Graded Crushed Stone - Sidewalk	4 hrs	Thu 5/10/18	Fri 5/11/18	6									
9		Place Parking Meters	4 hrs	Fri 5/11/18	Fri 5/11/18	8									
10		Form Right Sidewalk	6 hrs	Fri 5/11/18	Mon 5/14/18	9									
11		Pour Right Sidewalk	7 hrs	Mon 5/14/18	Mon 5/14/18	10									

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12		Right Sidewalk Cure	7 days	Mon 5/14/18	Tue 5/22/18	11												
13		Form Left Sidewalk	6 hrs	Mon 5/14/18	Tue 5/15/18	11												
14		Pour Left Sidewalk	7 hrs	Tue 5/15/18	Wed 5/16/18	13												
15		Left Sidewalk Cure	7 days	Wed 5/16/18	Wed 5/23/18	14												
16		Form Right Bridge Rail	50 hrs	Thu 5/17/18	Thu 5/24/18	3FS+3 days,11FS+												
17		Pour Right Bridge Rail	10 hrs	Thu 5/24/18	Fri 5/25/18	16												
18		Right Bridge Rail Cure	7 days	Fri 5/25/18	Fri 6/1/18	17												
19		Form Left Bridge Rail	50 hrs	Fri 5/25/18	Fri 6/1/18	17,14FS+3 days,6I												
20		Pour Left Bridge Rail	10 hrs	Fri 6/1/18	Mon 6/4/18	19												
21		Left Bridge Rail Cure	7 days	Mon 6/4/18	Mon 6/11/18	20												
22		Reset Patio	4 hrs	Mon 6/4/18	Mon 6/4/18	20												
23		Reset Buisness Signs	3 hrs	Mon 6/4/18	Mon 6/4/18	22												
24		Paving	8 hrs	Tue 6/5/18	Tue 6/5/18	23												
25		Sodd Placement	4 hrs	Tue 6/5/18	Wed 6/6/18	24												
26		Place Pedestrian Rails	6 hrs	Wed 6/6/18	Wed 6/6/18	25												
27		Line striping	4 hrs	Wed 6/6/18	Thu 6/7/18	26												
28		Parking Meter/Sign Placement on Bridge	3 hrs	Thu 6/7/18	Thu 6/7/18	27												
29		Final Clean up/Demobilize	4 days	Thu 6/7/18	Tue 6/12/18	28												

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