

## Contract Time Determination

### Sheet 1 of 2 - Working Day Estimate and Bar Chart

Input

MDOT Project Number: 12345

Date: 4/15/20

Total Working Days Estimate: 94

Stage / Structure / Item of Work: Concrete Reconstruction

Unique ID	Activity - Item of Work	Contract Quantity	Units	Production Rate (units/8 hr workday)	Working Day Duration	Preceding Activity		Start Day	Finish Day	Flags	Comments
						ID	Percent Complete				
1	Setup Traffic Control	2	ls	0.5	4			1	4		
2	Remove Pavement	59,000	sy	1500	40	1	100%	5	44	1	
3	Excavate	55,000	cyd	4200	14	2	62%	30	43	2	
4	Adjust Drainage Structures	300	ea	10	30	3	2%	31	60	1	
5	Install and Grade Base	40,000	cyd	1040	39	3	5%	31	69	1	
6	Curb and Gutter	25,000	lf	1300	20	5	70%	59	78		
7	Setup Paver and Pave Mainline	45,000	cyd	1500	30	6	15%	62	91	1	
8	Pavement Markings	22,000	lf	10000	3	7	100%	92	94		
9	Turf Restoration & Tree Planting	5,000	sy	1500	4	7	50%	77	80	2	
10	Contingency	10	day	1	10	9	100%	81	90		
11	Clean Site and Open Road	2	ls	0.5	4	10	100%	91	94		

Flags: 1- Duration of activity is over 25 work days. May be more valuable to break down into separate activities for further detail and accuracy.  
2- Activity is finishing prior to the completion of preceding activity. Adjust inputs to correct potential issue, or ensure logic is chronologically sound (i.e. Paving cannot finish before base course is complete)

#### Other Notes (comments, assumptions, concerns, etc.):

Full concrete reconstruct with turf restoration.

**Bar Chart** - Review for sound logic and concurrent activities, Ensure flow of work and order of operations makes sense and aligns with contract staging.

