

MONTEZUMA CASTLE NATIONAL MONUMENT

PARKING LOT
ADDITION AND
REDESIGN

PROJECT BACKGROUND

NOT OPTIMAL FOR VISITOR USAGE

- Parking lot is reaching capacity, pedestrian facilities are poor, larger commercial vehicles do not have adequate infrastructure

OBJECTIVES

- Design new parking lot and drop off zone to meet the needs of busses and passenger cars
- Improve existing pedestrian facilities by adding sidewalk and designing a picnic area
- Improve existing parking lot by restriping to maximize capacity





[illegible]













SCHEDULE STATUS

1		Site Investigation	8 days	Fri 1/19/18	Tue 1/30/18
2		1.1 Field Visit and Assessment	1 day	Fri 1/19/18	Fri 1/19/18
3		1.1.1 Assess Drainage Basins	1 day	Fri 1/19/18	Fri 1/19/18
4		1.1.2 Assess Stormwater Systems	1 day	Fri 1/19/18	Fri 1/19/18
5		1.1.3 Assess Traffic Movements/Existing Parking Lot	1 day	Fri 1/19/18	Fri 1/19/18
6	 	1.2 Field Survey	1 day	Fri 1/19/18	Fri 1/19/18
7		1.3 Process Survey Data	7 days	Mon 1/22/18	Tue 1/30/18
8					
9		Traffic Analysis	4 days	Fri 2/2/18	Wed 2/7/18
10		4.1 Existing Traffic Analysis	2 days	Fri 2/2/18	Mon 2/5/18
11		4.1.1 Estimate Durations for Visitors and Bus Unloading	1 day	Fri 2/2/18	Fri 2/2/18
12		4.1.2 Calculate SSD, Braking & Sight Distance	1 day	Mon 2/5/18	Mon 2/5/18
13	 	4.1.4 Turning Movements	1 day	Fri 2/2/18	Fri 2/2/18
14	 	4.1.4 Pedestrian Movements (path and Direction)	1 day	Fri 2/2/18	Fri 2/2/18
15		4.2 Proposed Traffic Analysis	3 days	Mon 2/5/18	Wed 2/7/18
16		4.2.1 Estimate Growth Durations for Visitors and Bus Unloadi	2 days	Mon 2/5/18	Tue 2/6/18
17		4.2.2 Proposed SSD, Braking & Sight Distance	2 days	Tue 2/6/18	Wed 2/7/18
18	 	4.2.3 Turning Movements	2 days	Mon 2/5/18	Tue 2/6/18
19	 	4.2.4 Pedestrian Movements (Path and Duration)	2 days	Mon 2/5/18	Tue 2/6/18

SCHEDULE STATUS

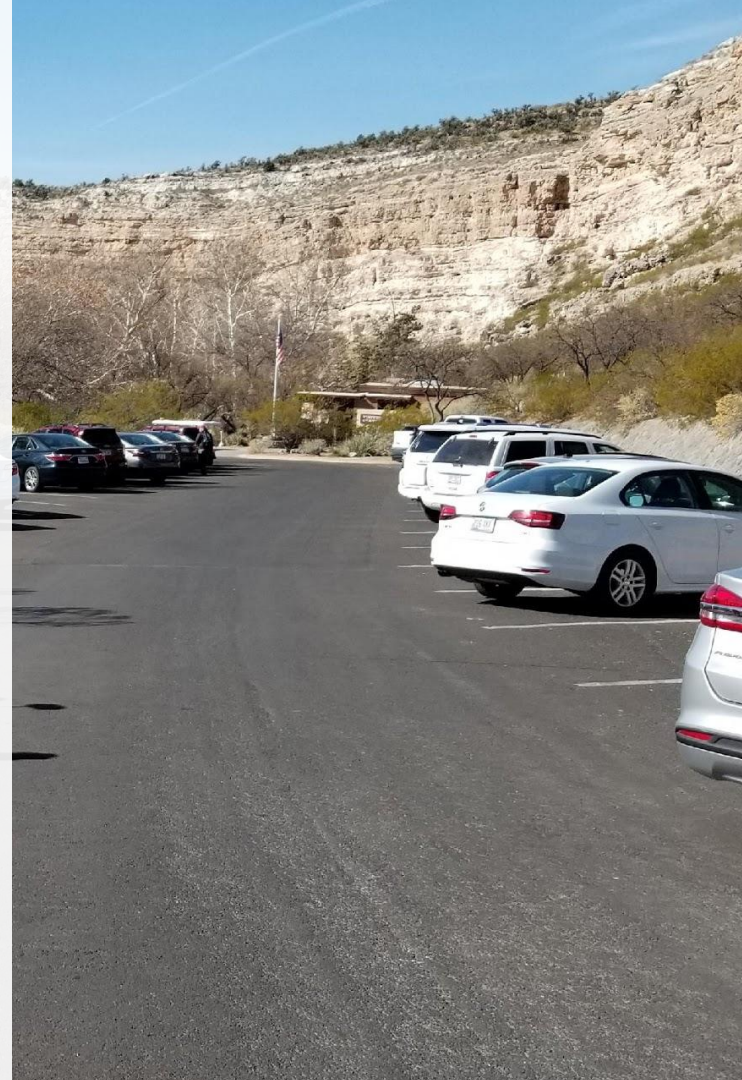
21		Hydrology	47 days	Mon 1/22/18	Tue 3/27/18
22		2.1 Research Previous Studies	1 day	Mon 1/22/18	Mon 1/22/18
23		2.2 Existing Drainage Basin Mapping	14 days	Wed 1/31/18	Mon 2/19/18
24		2.3 Existing Stormwater Flow	14 days	Wed 1/31/18	Mon 2/19/18
25		2.4 Proposed Drainage Basin	26 days	Tue 2/20/18	Tue 3/27/18
26		2.5 Proposed Stormwater Flow	26 days	Tue 2/20/18	Tue 3/27/18
27					
28		Site Plan	60 days	Mon 1/22/18	Fri 4/13/18
29		3.1 Review As-Built	1 day	Mon 1/22/18	Mon 1/22/18
30		3.2 Analyze Existing Conditions	2 days	Tue 2/20/18	Wed 2/21/18
31		3.3 Estimate Parking Lot Location and Size	7 days	Wed 2/7/18	Thu 2/15/18
32		3.5 Bus Turning Radii	2 days	Wed 1/31/18	Thu 2/1/18
33		3.6 Sidewalk Placement	3 days	Fri 2/16/18	Tue 2/20/18
34		3.7 Proposed Stormwater	6 days	Wed 3/28/18	Wed 4/4/18
35		3.7.1 Catch Basins (Detention)	6 days	Wed 3/28/18	Wed 4/4/18
36		3.7.2 CSP Culverts	6 days	Wed 3/28/18	Wed 4/4/18
37		3.8 Site Signage	5 days	Mon 4/9/18	Fri 4/13/18
38		3.10 Proposed Picnic Area	6 days	Wed 1/31/18	Wed 2/7/18

SCHEDULE STATUS

40		Impacts	46 days	Fri 2/16/18	Fri 4/20/18
41		5.1 Hydrology	5 days	Wed 3/28/18	Tue 4/3/18
42		5.2 Physical	46 days	Fri 2/16/18	Fri 4/20/18
43		5.2.1 Traffic Control/Movements	5 days	Fri 2/16/18	Thu 2/22/18
44		5.2.2 Aesthetics	5 days	Mon 4/9/18	Fri 4/13/18
45		5.2.3 Pedestrian Movement	5 days	Mon 4/16/18	Fri 4/20/18
46					
47		Construction Plans	63 days	Wed 1/31/18	Fri 4/27/18
48		6.1 Cover	14 days	Wed 1/31/18	Mon 2/19/18
49		6.2 Codes or Applicable Codes	30 days	Wed 1/31/18	Tue 3/13/18
50		6.3 Existing & Proposed Site Plan	24 days	Mon 2/5/18	Thu 3/8/18
51		6.4 Demo Sheet	16 days	Thu 4/5/18	Thu 4/26/18
52		6.5 Grading and Drainage Sheet Including Plan and Profile	16 days	Thu 4/5/18	Thu 4/26/18
53		6.7 Necessary Details	7 days	Thu 4/5/18	Fri 4/13/18
54		6.8 SWPPP/Safety/Risk Plan	9 days	Fri 3/9/18	Wed 3/21/18
55		50% Construction Drawings	0 days	Fri 3/16/18	Fri 3/16/18
56		100% Construction Drawings	0 days	Fri 4/27/18	Fri 4/27/18

WORK COMPLETED FIELD VISIT

- Completed background research for field analysis
- Surveyed the existing parking lot and future parking lot site
- Processed survey data for existing conditions





MTE ON THE JOB

