

ART 1.6.2.1 Construct Combat Roads and Trails

Prepare and maintain routes for equipment and personnel. ART 1.6.2.1 includes delineating routes, conducting reconnaissance, clearing ground cover, performing earthwork, providing drainage, stabilizing soil, and preparing the road surface for transit by Army combat and tactical vehicles. (FM 3-90.12) (USAES)

NO.	Scale	Measure
01	Yes/No	Unit completed combat road and trail construction or maintenance operation by time specified in order.
02	Time	To respond to an event (natural disaster or combat activity) that impacts existing combat roads and trails.
03	Time	That the preparation and execution of unit operations are delayed due to a natural disaster or combat activity that impacts the unit's capability to use a combat road or trail.
04	Time	To conduct area reconnaissance of location where the construction and repair of combat roads and trails will take place.
05	Time	For staff to disseminate reconnaissance results to subordinate units, higher headquarters, and laterally after discovery.
06	Time	To plan the construction and maintenance of combat roads and trails.
07	Time	To establish the conditions necessary for success of the construction and maintenance effort, such as establishing security, gaining permission from local authorities for construction, and obtaining supplies?gravel, sand, and soil stabilization systems.
08	Time	To move mobility enhancing systems to the work site.
09	Time	To construct, improve, and repair the required combat roads and trails.
10	Time	Of movement between given points reduced due to the construction and maintenance of combat roads and trails.
11	Percent	Of combat roads and trails construction and maintenance operation completed.
12	Percent	Of reduction in speed of vehicles traversing existing

		combat roads and trails due to existing environmental conditions, such as snow, ice, and grade.
13	Percent	Of mobility enhancing systems available to the tactical force commander that are committed to the task.
14	Percent	Of increase in movement time during the actual repair of combat roads and trails.
15	Percent	Of decreased movement time due to construction of combat roads and trails.
16	Number	Of mobility enhancing systems that are mission capable.
17	Number	Of friendly and neutral casualties during the combat roads and trails construction and maintenance operation.
18	Number	And type of vehicles unable to traverse existing terrain, combat roads, and trails.
19	Number	And type of vehicles able to traverse combat roads and trails after their construction and maintenance.
20	Number	Of necessary and unnecessary environmentally harmful incidents, such as petroleum spills in watersheds and soil spills into fish habitats.

Supporting Collective Tasks:

Task No.	Title	Proponent	Echelon
05-3-5101	Construct Combat Roads/Trails	05 - Engineers (Collective)	Platoon
05-6-1002	Plan Combat Roads or Trails	05 - Engineers (Collective)	Brigade