

Video Gabion Basket Installation:

1. What Safety Requirements are needed to assemble gabion baskets?
2. What Two options do you have to join the sides together?
3. Of those two options which one is faster to install?
4. What is the main advantage of the Lacing Wire?
5. What type of stone is preferred to be placed in the basket Rounds or Angular?
6. What is the importance of Bracing wire?
7. True or False, it isn't that important to level the top of a gabion basket, especially when you are going to place another on top of it.
8. True or False, you can't use the helicoil springs to attach the top of the basket to the rest as stones will be in the way.

Video Laying Concrete Drainpipes...

1. What is the Gravel being placed used for?
2. What is the worker using the knife for, right before they set the pipe?
3. What does he apply to the Male end before setting the pipe?
4. What does this crew use to make sure they have proper slope?
5. What was something that needed to be removed from the stone at the end of the video?

Compaction Jumping Jack VS Plate Vs Hand

1. What were the three ways these systems were being evaluated on?
2. What material are they testing on?
3. How many times did they go over the first material?
4. How much was each item able to compact soil?
5. How much was each item able to compact Modified stone?
6. Which item gave the best finish for the stone dust?
7. On a slope which piece of equipment did the best?
8. Which piece was considered the winner of the compaction?
9. Which was considered the easiest to use?
10. What PPE that would be required on a construction site was not used, by the presenter, throughout the video?

Intro to Soil Compaction

1. What University was presented on this video?
2. What are the three things we need to know about compaction?
3. What is the definition of Compaction?
4. What is Consolidation?
5. What is the most popular compaction machine for coarse grain soils?

6. What should be used on fine grained soils such as clays

Naked Science Landslides

1. True or false, Landslides are part of what scientists call the rock cycle.
2. What town did a tragedy strike on Jan. 10th, 2005?
3. What were the two obvious causes of the landslide to the town?
4. How many people were killed in this slide?
5. True or false, Water tends to lubricate the soil which is the direct reason for a slip.
6. True or false, Water makes the hillside too heavy to hold up its own weight which causes a slide.
7. Slides are most likely the result of a buildup of what?
8. What did they say is the best example of the slip?
9. On July 10th, 1996 what national park was affected by a rock fall?
10. About how many tons of rock fell during this event?
11. How does tough granite break apart so easily?
12. If the rocks didn't actually touch any of the trees what forced them down?
13. What county is home to little ski resort city of New South Wales?
14. What was the cause of the Three Bow landslide?
15. What's the fastest landslide called?

16. What geographical environment is typically required in cases that cause these fast landslides?
17. If there was a landslide from _____ it could cause millions of deaths?
18. How many tons of rock do they believe would fall into the ocean if the volcano would erupt?
19. What American island does the scientist believe this rock to be bigger than?
20. What county did they do falling rock tests in the video?
21. True or false, Water is the nemesis of slopes.

Redi - Rock Installation

1. What was done at the very start of day one?
2. What was the crushed stone used for?
3. What was done before the second layer of rock was installed?
4. How many points were used to pick up each Redi-Rock?
5. True or false, after the first layer was placed the rest of the layers were not leveled.
6. Were the workers using proper PPE?
7. Was extra soil/ stone brought onto the site? If so, how many truck loads
8. How long did it take to construct?

Drainage Pipe Placement

1. What state DOH is presenting this video?
2. What is the very first thing that must be done in maintenance action?
3. True or False, Safety must be discussed every work day?
4. Placing pipe requires what two ideas?
5. What kind of equipment is the foreman using to figure out grade?
6. What happens to the example pipe when no compaction is done?
7. What is used to simulate the compaction of a whacker or hand tamper?
8. What happened in the demonstration when pressure was applied to the compacted pipe?
9. How are the two ends of the pipe attached together?
10. How long does this video say a good pipe placement should last?

VDOT Best Practices Maintenance Gravel Road Maintenance

1. What is the percentage of Virginia's roads that are unpaved?
2. What is the first step in the maintenance process?
3. What is used to help dry gravel be more malleable?
4. What percent crown is required?
5. What Two process are required in shaping a road?

6. True or False, you should try to drive on the windrow to help smooth the surface of the road easier?
7. How fast should you grade?
8. What should happen when the work is done?

Transportation Asset Management

1. What is the lifeblood of our nation?
2. What are the main way highways are funded?
3. What is a growing issue with highway funding?
4. What is the 2 Step Approach when considering Highway Maintenance?
5. What is a strategic and systematic approach to managing assets?
6. What county has had great success with this type of managing?
7. What strategy is implied to be the status quo of most areas?
8. How much can the maintenance of a structure be in compared to the initial cost?

Moving Operations Maintenance Safety

1. What is probably the least dangerous moving operation?
2. What's the biggest concern in winter operations?
3. What are the guardrail crew missing from their ppe?
4. When you add more _____, you have added more hazard to your zones.
5. What is one thing that the video says can make patching a lot safer?

6. What is one of the only way traffic slows down on the interstates?
7. Ultimately your best protecting is what?
8. True or false, the more you are aware of the situation around you the safer you are.

Temporary Traffic Control zones BOTH TOGETHER

1. What is the traffic control zone?
2. What are the four traffic control zones described in the MUTCD?
3. What area can crashes occur?
4. What areas contain tappers?
5. What is used when original pavement markings are causing confusion?
6. What are the five types of tapers?
7. How long is the downstream taper?
8. True or false, Tapers are not required to consider blind spots in the road as the manual has that accounted for.
9. Frequent use of brakes and skid marks have what meaning when it comes to taper?
10. What three spaces make up the activity area?
11. True or False, An End of Road Work sign is required at for all traffic control zone.
12. True or False, the use of a truck mounted attenuator is not required for moving operations.

Best Practices Berming

1. What was set up before berming started?
2. What should the operator of the force-fed loader and the dump truck driver keep their eyes on?
3. What is the broom used for?
4. What is the water tank used for?
5. When removing material, what amount is the goal to achieve?
6. When should you not perform berming operations?
7. What should be the goal for the roadway after operations have finished?
8. What was the last piece of equipment to go on the berm when adding material?
9. What safety concern did the roller operator have to be aware up on the example road?
10. What state was all of this done in?

Cable Median Barrier - Emergency Response Training

1. What state is this video set in?
2. What is the main purpose of these cable systems?
3. What is the cable designed for?
4. What are chances the cables traps the vehicle in such a way that both doors can't be opened?

5. What do the socket sleeves do?
6. What are the posts designed to do?
7. How far apart are most post systems?
8. When is it allowed to cut the cable?
9. What should be cut when those circumstances are met?
10. What is the usual tension range on the cables?
11. True or false, Cold temperatures cause the tension to be lower.
12. What kind of saw should be used when cutting on the system?

1938 Michigan State Highway Department film

1. Who is the Michigan State highway Commissioner when this was made?
2. The rapid development of the modern motor car brought what with it?
3. At the time of the video, what percentage of accidents were caused by the automobile?
4. At the time of the video, the state recognized what about most of the state highways?
5. What kind of highways represented one of the most progressive steps toward relieve traffic friction?
6. What was one way they dealt with railroad crossings?
7. What kind of vehicle did the state police officer drive in the video?
8. What is the State Highway Administration putting great effort into?

9. The safety of the highway is on the Administration, State police, and whom?

10. What three colors were all the vehicles in this video?