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# PAVEMENT STAKING & REPAIR

Asphalt and gravel pavement can be staked, allowing larger tents to be installed on a nice, hard surface. A pilot hole is often drilled into the ground to make hand staking easier or a machine used to drive the stakes. This will punch holes into the pavement and the pavement will often crack and buckle around hole locations and stakes. This is normal and not unexpected. Staking pavement is never a perfectly clean process, but, patching is possible and should return the stake locations to good useable condition. Patching is noticeable (typically darker in color and not perfectly smooth or level) so is not recommended for locations where this will be a concern. The photos below show typical before and after photographs of staked asphalt and the patched pavement afterwards.

Concrete payment cannot be staked. It can be drilled, however, repairs can be problematic. Holes are typically filled with black cold patch or expanding concrete (higher cost). Concrete typically does not buckle under stress like asphalt, but can chip off or break in larger pieces. These can be patched, but differences in color, surface smoothness and level are likely. Installation of permanent concrete anchors is recommended.

Stake hole patching involves leveling the surface with a heavy weight, filling the hole with sand to about 6-in below the surface, tamping this firmly and then applying commercial cold patch and smoothing into the surrounding pavement. The resulting patch is permanent.

The photos below are examples of common asphalt staking in use, showing expected buckling and what stake holes should look like immediately after repair. There is no warranty or guarantee on patches or the final appearance of patching. Pavement staking and patching is as-is and dependent upon the location conditions. Additional fees may be incurred if atypical (not average) conditions are found when crews are performing the tasks. Secondary patching (additional patching trips) may be necessary as patch will sometimes sink or crack. Mileage and patching fees apply to each patching trip required (not included in tent price).

If the "after" photos are a concern, the top 4-6 inches of pavement can be core drilled, creating a clean round hole in the payment (see photos, below). A 4-in diameter hole is standard for tent stakes and will cost about \$30 each in asphalt or \$50 each in concrete. These holes can be backfilled with patching material (typically asphalt or concrete to best match original material) or hole caps can be installed for about \$15 each so the holes can be reused in the future. A permanent anchor can also be installed in these situations and quickly used without difficulty or significant cost in the future. Permanent anchors cost \$25-\$30 each installed.

Another option is to consider a frame tent. While more expensive and limited to about 50-ft wide without getting extremely expensive, frame tents have no interior poles so provide more available space and can be anchored with weights instead of stakes. Unless properly weighted for long term wind-load, frame tents should not be used in installations over a few days.

BEFORE PHOTOS - STAKES IN USE, ASPHALT PAVEMENT





AFTER PHOTOS - ASPHALT PATCH APPLIED



## CORE DRILLING PAVEMENT FOR CLEAN LOOKING HOLES



6-IN CORE BEING DRILLED IN ASPHALT PAVEMENT



4-IN CORE DRILLED IN CONCRETE PAYMENT



HOLE CAP INSTALLED FOR REUSING ANCHOR

For an adobe.pdf copy of this document, download:

<http://www.amerevent.com/TENTS/USER/PAVEMENT.pdf>

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