



Need Flowable
Fill/CLSM, Granular
Backfill or Grout?
**Think CellFillSM
Instead!**

The CellFillSM Strategy

Our strategy is simple...let us do one job for you, and you determine if the cost savings and end product are above and beyond your expectations.

CellFillSM Buzz

Here's what our clients are saying about CellFillSM:

CellFill's value of service in relation to cost is excellent. James and his team are very professional and efficient.

Mary Jane Green, Project Engineer
Explorer Pipeline Company

The experience of working with CellFillSM was excellent. Good company to work with and didn't require a lot of "hand holding".

Terry Roller, Owner
T-G Excavating, Inc.

We were happy to demo the use of this product under our bridge abutments. It is a problem we encounter in the maintenance of our bridges. James's crew was quick to identify problems with the process, correct them, and finish the project with great results. We look forward to using it in this manner in the future.

Shelly Williams, PE
Oklahoma Department of Transportation (ODOT)

Contact us Today for a FREE Estimate!

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2016 BROCHURE



CellFillSM is an ODOT approved product!

CellFillSM Cellular Concrete... The Solution You've Been Searching For.

How Does CellFillSM Benefit You?

What is Cellular Concrete?

A more stable and cost effective alternative to flowable fill/CLSM, grout, granular backfill, and lightweight structural concrete. It is placed at rates from 4 to 150 cu yds/hour, at densities from 25 to 125 pcf, with lifts up to 13', and compressive strengths from 20 to 3000 psi.

What is CellFillSM?

- A US cellular concrete producer centrally located in Grove, OK
- An environmentally friendly, cost-effective and multi-use fill solution for municipalities, DOT's, contractors and engineers
- An installer of both pervious and impervious cellular concrete
- A full-service turnkey operation for the production and placement of cellular concrete, including; Engineering, Bidding, Installation and Testing

- CellFillSM is less expensive than traditional grout, CLSM, flowable fill, and lightweight structural concrete
- Traffic impact and construction time reduced
- Flowability allows for pumping long distances without the need of additional vibration equipment
- Full-service installation allows contractors to free up laborers
- Self-leveling
- Provides significantly better bearing strength than soil and drains better than aggregate or sand
- More complete curing equals higher insulating powers
- Provides 100% compaction to fill spaces entirely with almost no shrinkage
- Low water absorption and permeability decreases hydrostatic pressure on walls
- Computerized on-site batching eliminates material inconsistencies and offers real-time batch information
- Does NOT require being pumped under high pressure
- Material is non-HAZMAT and does not provide a food source for harmful mold growth
- Excellent modern green material with a relatively low carbon footprint
- Streamlined approach and turnkey operation of CellFillSM averages a 20-50% REDUCTION in cost over traditional fill methods

The CellFillSM Process

5 Steps to a Successful Job

- 1. INITIAL JOBSITE MEETING:** For site planning, calculations, logistics, and tailoring the cellular concrete mix to your specific project needs.
- 2. SET UP:** The CellFillSM team arrives on-site with matching company shirts and safety gear. Our turnkey operation handles all of the set-up, work and clean-up. As long as water is available on-site, we are ready to go.
- 3. PUMPING:** We pump at rates up to 150 cu yds/hour in up to 13' lifts. We are fully insured and our teams are properly trained to handle on-the-job obstacles quickly and professionally.
- 4. JOB SIGN-OFF & CLEANUP:** Once the fill is complete, our team leader meets with the on-site contractor representative to assure the job is done to your satisfaction. We leave the jobsite as clean as when we arrived.
- 5. FOLLOW-UP & TESTING:** As part of our quality control and assurance, we follow-up each job with in-house testing of concrete samples collected on-site to validate that our material properties are meeting contractor specifications.

CellFillSM Jobs

Who Uses Cellular Concrete?

Contractors, Engineers, Municipalities...anyone who uses traditional flowable fill/CLSM, grout, or lightweight structural concrete can benefit from replacing their current methods with cellular concrete. Here are a few CellFillSM job highlights:

- Multiple bridge scour abutments for ODOT projects
- 3000' of 48" diameter abandoned water pipe with 80' of elevation change filled in just 10 hours for the City of Tulsa
- Subcontracted with Tom Boyce Excavating as part of the City of Branson's 5 mile underground utilities corridor update. Project includes filling up to 20 miles of new waterline trench and duct bank with pervious cellular concrete
- 3200' of abandoned oil pipeline filled for Explorer Pipeline Company
- Subcontracted with T-G Excavating to fill 100' of 12" diameter abandoned water line running underneath 3 tracks of BNSF Railroad
- 2200' of abandoned 42" reinforced concrete pipe (RCP) filled with cellular concrete to prevent collapse for the City of Tulsa



To view more CellFillSM jobs visit "Projects" at CellFill.com

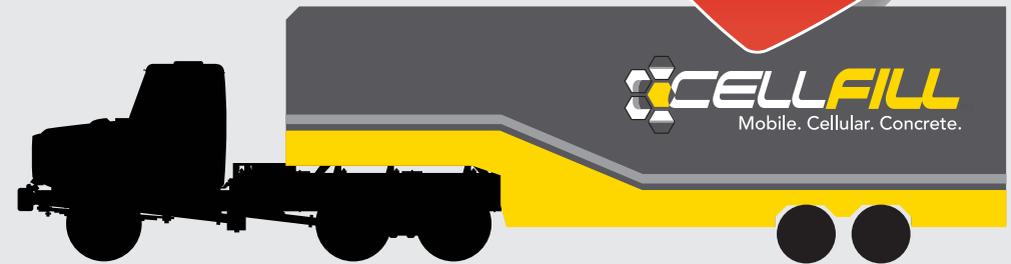
Placing 150 cu yds of traditional flowable fill in one hour is CHAOTIC.

Extra Labor
Logistical Nightmare
Traffic Jam
15 Concrete Trucks
Timing
Supervision
Dewatering



Pumping 150 cu yds/hour with CellFillSM = STREAMLINED

Simplify with CellFillSM!



CellFillSM takes the work out of extra logistics and planning. Because our material is placed at high rates in high daily volumes, customer cost reductions are seen in traffic control, supervision, dewatering, labor and any other support service that may be reduced by completing the job quicker.

Applications

- Abandoned Utilities
- Corrugated Metal Pipe Backfill
- Fill Behind Abutments Under Approach Slabs
- Fill Behind Retaining Walls (MSE or Cast-In-Place)
- Fill Under Roadways (Pervious in Lieu of Aggregate Base Layer, Impervious for Scoured Potholes)
- Replacement of Unstable Soil & Erosion Control
- Mine Shaft & Large Hole Capping
- Scour Fill Under and Behind Bridge Walls



The fluidity of CellFill™ allows it to be pumped thousands of feet from one location at high rates of speed.



Municipalities love that CellFill™ is a turnkey service. Provide access to water on site and we do the rest!



100% compaction allows us to fill any size void and is ideal for sealing tight spaces completely.



Mobilization is easy when everything is on board! Our self-contained unit equals streamlined set-up for almost any location.



Pervious cellular concrete is ideal as an aggregate base layer under roadways, or as backfill over any drainage system to minimize the silting of pipe.

In-House & On-Board Technology

Information is power. Before and after a job we utilize our laboratory in Grove, OK, to ensure our equipment is capable of meeting the exact mix specifications requested for a job. Our lab houses state of the art instruments and allows us to accurately test:

- Cellular Concrete Density
- Compressive Strength
- Shear Modulus
- Young's Modulus
- Water Absorption



To ensure on-site accuracies, our on-board, fully integrated PLC system lets us monitor quantities of cement, water, foam, and aggregate so we know exactly what quality of material is being produced for our clients in real time.



Pervious Cellular Concrete Class	Cast Density (pcf)	Minimum Compressive Strength at 28 days* (psi)
I	20-25	20
II	26-30	40
III	31-35	80

Impervious Cellular Concrete Class	Cast Density (pcf)	Minimum Compressive Strength at 28 days* (psi)
I	24-29	60
II	30-35	140
III	36-41	210
IV	42-49	350
V	50-65	640
VI	66-79	800
VII	80-90	1000
VIII	91-110	1300

*Compressive Strength determined using ASTM C 495