



GEOFOAM LOW DENSITY CELLULAR CONCRETE
TYPICAL GEOTECHNICAL FILLS

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| 1. Oakland, CA
Cypress Expressway
Reconstruction
Project - California DOT | 100,000 cu yds to reduce roadway
settlement and raise elevation of roadway |
| 2. Los Angeles North Outfall
Replacement Sewer (LANORS)
Los Angeles Dept. of Public Works | 84,000 cu yds annular fill for 46,867 ft of 12 1/2 ft
and 8 ft ID PCCP |
| 3. Pier 5, Boston, MA
World Trade Center
Massachusetts Port Authority | 78,000 cu yds to stabilize soil and reduce load on
pilings |
| 4. Boston Logan Airport Egress
Ramps, Ted Williams Tunnel CA/T
Project Massachusetts Highway
Department | 33,000 cu yds bridge approach fill for load relief |
| 5. Super Stop & Shop
Northampton, MA
Garnett Realty Trust | 15,750 cu yd of poor soil was removed and
replaced with 35 pcf Geof foam for load relief |
| 6. Wellesley Extension
Sewer Replacement
Dedham, MA
MA Water Resource Authority | 3700 cu yds to fill an abandoned sewer line
approximately 2 miles long |
| 7. Trans Missouri River Water
Tunnel, City of Kansas City,
Missouri
Water & Pollution Control Dept. | 12,000 cu yd annular fill for 15,000 ft of 90" ID pipe

3500 cu yd to fill voids behind brick arch tunnel |

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| 8. Park Avenue Tunnel
New York City, NY
Metro North, MTA | structure |
| 9. New England Thruway, Interstate I-95, New York, NY
NY State Dept. of Transportation | 7800 cu yds for backfill and 100% compaction of utility structures beneath the North and South bound roadways |
| 10. Interstate I-64, Charleston, WV
WV Dept. of Highways | 9000 cu yds of unstable soil was removed from a hill adjacent to Interstate Highway I-64 and replaced with Geof foam to stabilize the soil and reduce hydrostatic pressure on the retaining wall |
| 11. South Station, Boston, MA
Massachusetts Bay Transit Authority | 7000 cu yds fill to reduce the load on subsoil beneath two new rail lines. |
| 12. Hiawatha Boulevard Bridge
Syracuse, NY
New York State DOT | Approximately 25,000 cu yds of unstable soil was removed and replaced with Geof foam |
| 13. Square One Mall-Saugus, MA | 2130 cu yds of 30 pcf Geof foam for void fill |
| 14. Interstate I-5
Ferndale, WA
WA Dept., of Highways | 2200 cu yd of unstable soil was removed and replaced with Geof foam directly beneath I-5. |
| 15. Back Bay Station, Boston, MA
Massachusetts Bay Transit Authority | 1400 cu yd fill to reduce the load over subway station and permit landscaping on the surface |
| 16. Illinois Dept. of Transportation
Route 35 & Lake St., Addison, IL | 4200 cu yd replacement of unstable soil against 30 ft high retaining wall. |
| 17. Central Square Station,
Cambridge,MA
Massachusetts Bay
Transit Authority | 1000 cu yd fill to reduce the load over a subway station extension. |
| 18. Coney Island Main Repair
Facility
Brooklyn, NY
New York City Transit Authority | Geof foam was used to fill voids beneath the existing floor thereby saving the slab and avoiding future settlement. |
| 19. Battery Park City, NYC | 700 cu yds used for load relief to permit the |

Battery Park Esplanade	addition of a park.
20. Operation Flintlock Mercury, NV U.S. Atomic Energy Commission	20,000 cu yds of shock absorbing tunnel liner backpacking; deep underground fill supervised by U.S. Corps of Engineers.
21. Synthetic Fuels Corp. Hamilton, New Zealand Bechtel Petroleum & New Zealand Synthetic Fuels Corp.	11,500 cu yds as positive fill for underground steel support structures.
22. Takaido Trunk Line, Japan Japanese National Railway	Backfill for 28 separate railroad tunnels through mountains-total length, 40 km.
23. Gathright Dam Covington, VA	Void fill (1000 psi) for underground solution caverns inside earth fill dam abutment. Cavern dimensions varied up to 100 ft long x 20 ft wide x 20 ft high
24. Sun Oil Company - Gillette, WY	9000 cy void fill in coal silos to reduce load on foundation.
25. Tokyo, Japan	Fill for abandoned bomb shelters to eliminate subsidence problems
26. JFK International Airport New York, NY	Fill for abandoned underground fuel tanks and fuel distribution pipelines to eliminate potential fire hazard.
27. Town Creek Interceptor Sewer Jackson, MS	13,000 cu yds void fill for annular space between steel liner plate and 90 in diameter concrete pipe.