



# The Mulvaney Pipeline

**Mulvaney**  
MECHANICAL, INC.  
Mechanical Contractors  
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## HOW PLUMBING (NOT VACCINES) ERADICATED DISEASE

Vaccines get all the glory, but actually plumbers should get a good deal of credit. It was water infrastructure - sewage systems and clean water that eradicated most disease. After the fall of the Roman Empire, Europeans despised all things Roman, including bathing. There was a widespread belief that getting wet caused illness. This contempt and fear of bathing persisted through the Dark Ages. Some Europeans defied local customs by bathing, but this was usually done over great protest. When Queen Elizabeth bathed, her servants panicked, fearing she would become ill and die. This resistance to bathing was brought across the Atlantic to America, influencing habits all the way into the 1800s. In 1835, Philadelphia almost passed an ordinance forbidding wintertime bathing. Ten years later, Boston did outlaw bathing, except by medical directive. Before modern plumbing was widely used, indoor facilities consisted of a washstand with a washbowl, a pitcher and a chamber pot or commode. Human waste was thrown anywhere convenient or even into the street. This total lack of sanitation in urban areas filled with rats and other vermin provided the perfect environment to spread disease. The Black Plague alone killed 75 to 200 million people - including 1/3 of Europe's population. Though this disease is not entirely eradicated, human infection has become a rare occurrence. The last plague epidemic in America was in early 1900's. Sanitation prevents disease by removing the cause of disease transmission, but this is not new information. Moses taught sanitation. He made many rules for encampments. The Greeks and the Romans created elaborate systems of aqueducts, baths and drainage. When the Roman Empire crumbled, sanitation became a lost art. Civilization paid the price with plague after plague mainly striking areas of dense population. Smallpox continued to infect Europe's population until plumbing infrastructure became commonplace. Although sanitation mainly ended this disease, the smallpox vaccine takes all of the credit. In modern times, objections to vaccines are mounting. Refusing to vaccinate is as controversial today as it was when the first vaccines were forced on British citizens almost 200 years ago. While medical professionals and the pharmaceutical companies are quick to take credit for our increased life expectancy, in truth, they are not the only heroes.

Have you thanked a plumber lately? 😊

## Public Transportation of the Future: HyperLoop, PRT, Mini Bus and The Mexicable...

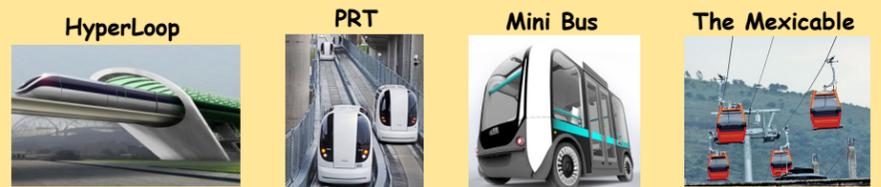
In 2014, Americans spent an average of 42 hours per year sitting in traffic. The reinvention of public transportation to serve our urban environments has captured the imagination of some of our most brilliant innovators. The technology will radically transform the commuting experience. Listed below is the line up...

**The Hyperloop** is a technology capable of moving people at aircraft speeds up to 760 mph with very low energy consumption and all for the price of a bus ticket. The levitated pod uses an electric motor to glide silently through a low-pressure tube. Full system testing was initiated this year with a goal to start moving passengers in 2021.

**Personal Rapid Transit (PRT)** systems currently exist in four cities and are also referred to as "podcars". These units hold smaller groups of people and are operated by computer using electric motors and move on lightweight tracks.

**The Olli Self-Driving Mini Bus** is driverless electric mini bus powered by IBM's Watson technology. Rather than operate on a fixed schedule and route, Olli is operated and paid for through an app. Wherever you are can become a bus stop.

**Mexicable.** With traffic congestion in Mexico City so intense, people have taken to hiring helicopters or using expensive, tolled tiered highways to stay out of the mess. The residents of Mexico City are literally choking on pollution that comes from traffic congestion. One interesting solution: gondolas, which allow commuters to glide over traffic on the Mexicable, a seven stop line that runs just over three miles through a furrow of hillside neighborhoods. The Mexicable is part of a trend in Latin America that is linking rural and urban areas through an integrated system of cable cars.



## A few Myths about Diamonds...



Due to years of ad campaigns, the public believes a massive amount of misinformation about these sparkly stones. Diamonds don't always last forever. They are actually quite brittle. Strike them the right way and they will split or chip. They will burn. In fact, diamonds are such pure carbon that they will burn down to carbon dioxide gas, leaving not a speck of ash behind. Diamonds are not very rare. Actually, there are enough diamonds for every person in the US to get their very own cupful. A diamond is not a good investment. Once you buy a diamond, its value drops by quite a bit. There is a huge markup on the price of a diamond, so expect your investment to evaporate the instant you buy it.

Sorry Ladies and Gentlemen

## Should Social Media Activity Affect Hiring Decisions?

A 2016 nationwide survey of more than 400 HR professionals revealed that 43% of organizations use social media or online search engines to screen job candidates, and over 36% have disqualified candidates because of negative information found on a public social media profile. Ideally, social media screening of applicants should be transparent and disciplined, to avoid accusations that it is: an invasion of privacy, potentially discriminatory, unrelated to the job or just plain false! A formal social media screening policy & procedure can ensure documentable results that are relevant and not potentially illegal. According to this same survey, about 40% of respondents reported giving candidates an opportunity to explain or defend themselves regarding the negative/potentially disqualifying information found online. **Like or Dislike?**

## Did you know..... 😬 😂 😱 🦞

- Leonardo da Vinci could write with one hand and draw with the other at the same time.
- The three wealthiest families in the world have more assets than the combined wealth of the forty-eight poorest nations.
- When adjusted for inflation, John D. Rockefeller is the richest man in the history of the world with a net worth 10 times more than Bill Gates.
- Two-thirds of the people on Earth have never seen snow.
- A hummingbird weighs less than a penny.
- If you try to suppress a sneeze, it is possible to rupture a blood vessel in your head or neck and die.
- FDA regulations allow 10 insects and 35 fruit fly eggs per 8 ounces of raisins.
- A hippo can open its mouth wide enough to fit a 4 foot tall child inside.
- The tongue is the strongest muscle in the human body.
- Frozen lobsters can come back to life when thawed.
- A flea can jump 350 times its body length, the equivalent of a human jumping the length of a football field.
- The chance of you dying on the way to get lottery tickets is actually greater than your chance of winning the grand prize.
- Coca-Cola would be green if coloring wasn't added to it.
- During the year 1881, three men served as President of the United States: Rutherford B. Hayes, James Garfield, and Chester A. Arthur.
- 92 per cent of the world's currency is digital. This means that most of the money you earn, transact with, use to buy goods/services and so on exists only on computers and hard drives. Only an estimated 8 per cent of currency globally is physical money.
- There is a factory in Japan which can run unsupervised for 30 days at a time -- it's almost entirely manned by robots
- 'Emoji' was added as a word to Oxford Dictionaries in 2013.
- There are over 200 corpses on Mount Everest and they are used as way points for climbers, as recovering the body requires a lot of effort and risk.

## WHAT THE HECK IS IT?

### WIN A MULVANEY MECHANICAL LEATHER JACKET

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When e-mailing your entry, please write "Newsletter Contest" in the subject line to avoid our SPAM filter.

Send to: [MMI@mulvaneyinc.com](mailto:MMI@mulvaneyinc.com)

If multiple correct answers are received, one winner will be selected at random.



## Last Quarter's Puzzle:



Battery clamp-Gear Puller used to remove the cable clamp from the top post of batteries. Center point pressed down on the post while the side arms lifted the

**WE HAD TWO CORRECT ANSWERS THIS TIME!**

Robert Rein, EnviroConsultants & Recyclers, Danbury, CT  
Bennett Brooks, Brooks Acoustics Corp., Vernon, CT

## WHAT'S GOIN' ON?

|             |                          |                |
|-------------|--------------------------|----------------|
| June 4-7    | NFPA Conference          | Boston, MA     |
| June 24-27  | BOMA 2017 Conference     | Nashville, TN  |
| June 24-28  | ASHRAE Annual Conference | Long Beach, CA |
| Sept. 10-13 | ASCE Congress            | Duluth, MN     |
| Oct. 18-20  | IFMA Conference & Expo   | Houston, TX    |



Probably the most famous of the bodies on Mt Everest, "green boots" is thought to be the body of Tsewang Paljor, a member of the Indian team who perished along with two of his colleagues in the 1996 Everest disaster.

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Nowadays anyone who isn't in debt is probably underprivileged

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