

A Focus on Safety

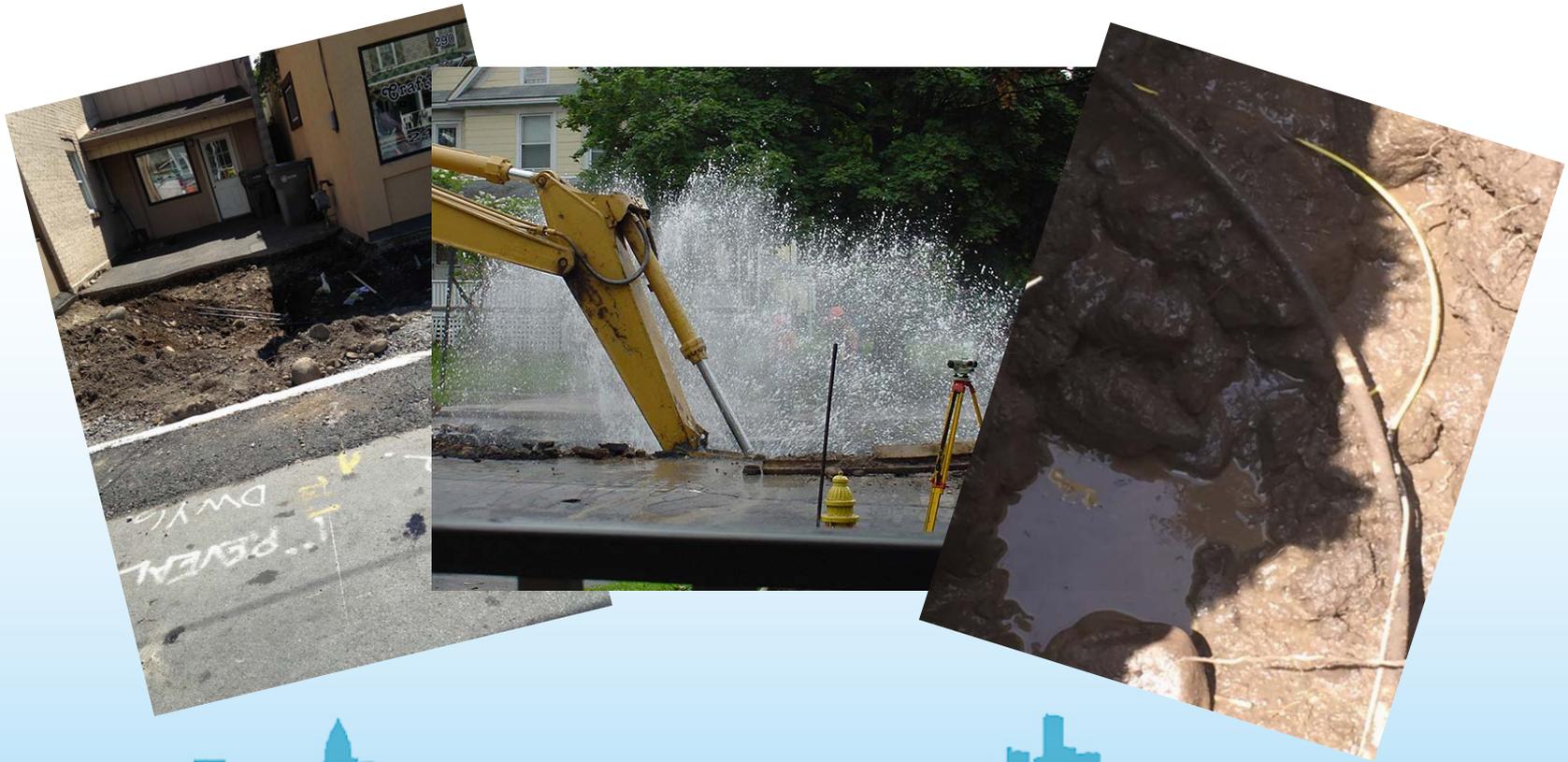
Kevin Hopper
Executive Director
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New York State Infrastructure Problem



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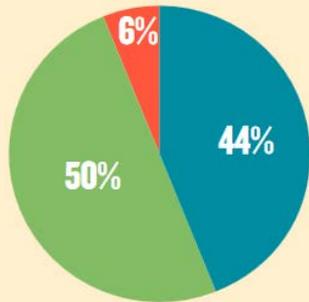




Bridges

17,456

NEW YORK STATE BRIDGES TOTAL



OWNERSHIP

- NYSDOT
- Municipalities
- State & local authorities, commissions & railroads

APPROXIMATELY

100

CLOSED BRIDGES STATEWIDE

Bridges in New York State can be closed for structural and condition reasons. Many have no established date of repair due to budgetary limitations.

Source: 2015 Report Card for New York's Infrastructure by the American Society of Civil Engineers' NYS Council

2,012

STRUCTURALLY DEFICIENT



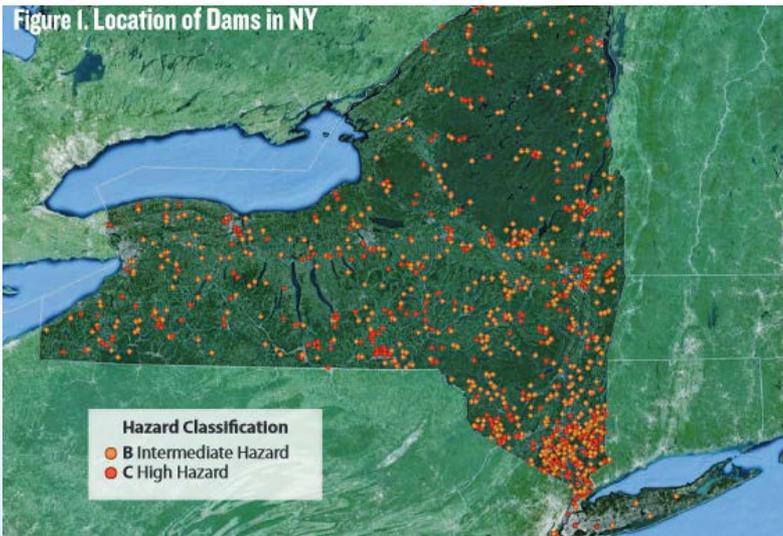
New York has more structurally deficient bridges than the national average, and almost 22% of our total bridge deck area (driving surface) is in need of repair. Structurally deficient bridges are safe for travel, though they often need maintenance or improvements to correct obsolete features.

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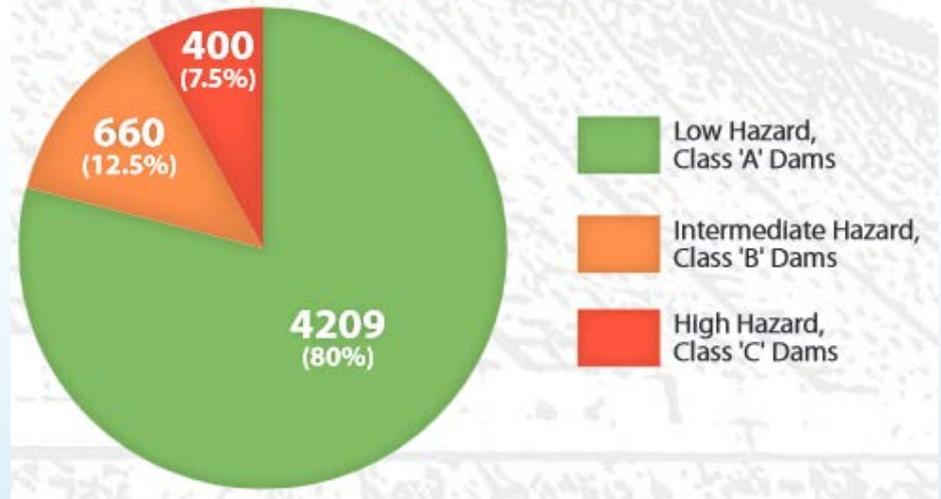


Dams



Source: NYS Dept. of Environmental Conservation Inventory of Dams

3. State Regulated Dams by Hazard Potential



Source: 2015 Report Card for New York's Infrastructure by the American Society of Civil Engineers' NYS Council

Roadways

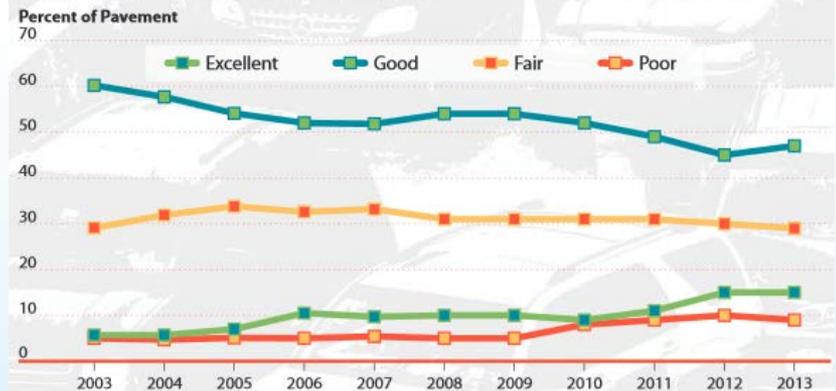
Figure 1. NY Urban Road Conditions and Vehicle Operating Costs

Urban Area	Road Condition				Annual VOC*
	Poor	Mediocre	Fair	Good	
Albany	25%	26%	27%	22%	\$504
Buffalo	12%	20%	15%	53%	\$294
New York City	43%	30%	11%	16%	\$694
Rochester	21%	16%	24%	40%	\$402
Syracuse	28%	17%	15%	40%	\$477

*Vehicle Operating Costs: Average annual extra vehicle operating costs per motorist as a result of driving on rough roads

Source: TRIP, <http://bit.ly/TRIPNY2015>

Figure 4. New York Pavement Condition*



*Data for the year 2009 was not available; therefore, 2009 values were estimated by averaging data from 2008 and 2010
Source: 'Pavement Reports', Pavement Management/Office of Technical Services, NYSDOT, 2002-13

Source: 2015 Report Card for New York's Infrastructure by the American Society of Civil Engineers' NYS Council



“Our infrastructure in New York State is continuing to crumble. We need to invest in rebuilding this deteriorating infrastructure, including our aging roads and bridges and water and sewer lines, in order to improve public safety, commerce and the overall quality of life.”

- New York State Senator John DeFrancisco, Deputy Majority Leader

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“It is rare that a day goes by where we don’t hear about our failing infrastructure such as here in the Capital Region. The reason is simple in that the support from the Federal Government has subsided over the past two generations and the difficult challenge to fund ongoing maintenance and repair has not happened as it needs to be. Therefore, we are in the plight we are in. That being said, our economy and state funding improves, it is time for us to make those investments as we are so much more dependent on our infrastructure not only for our day to day lives but more importantly our future economic development.”

- New York State Assemblyman John McDonald



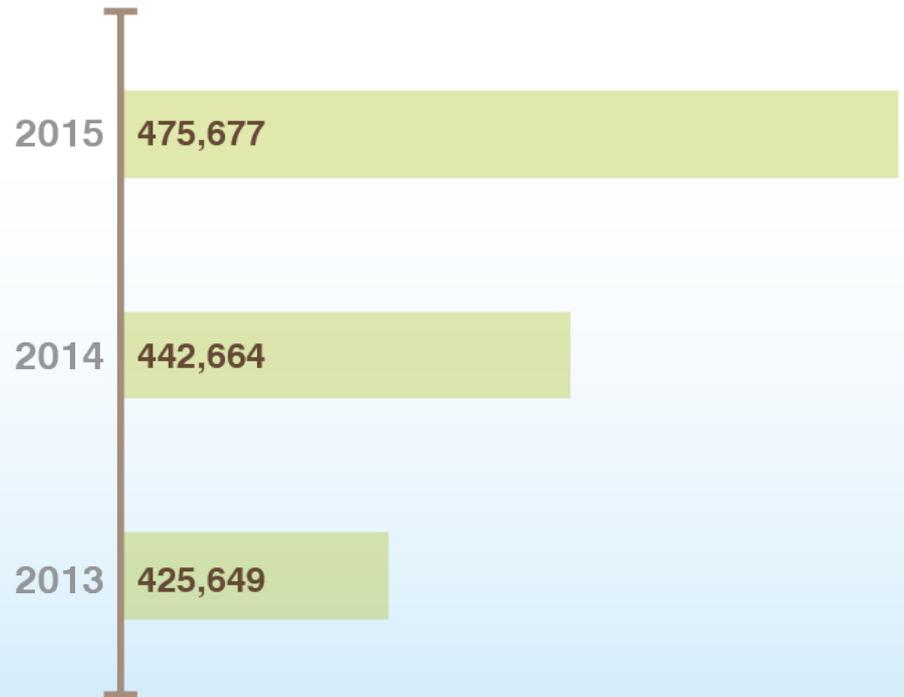
2017 Executive Budget

- \$100 Billion – Infrastructure Investments
- \$22.1 Billion – Road and Bridge Improvements
- \$250 Million – Water and Sewer Infrastructure Needs

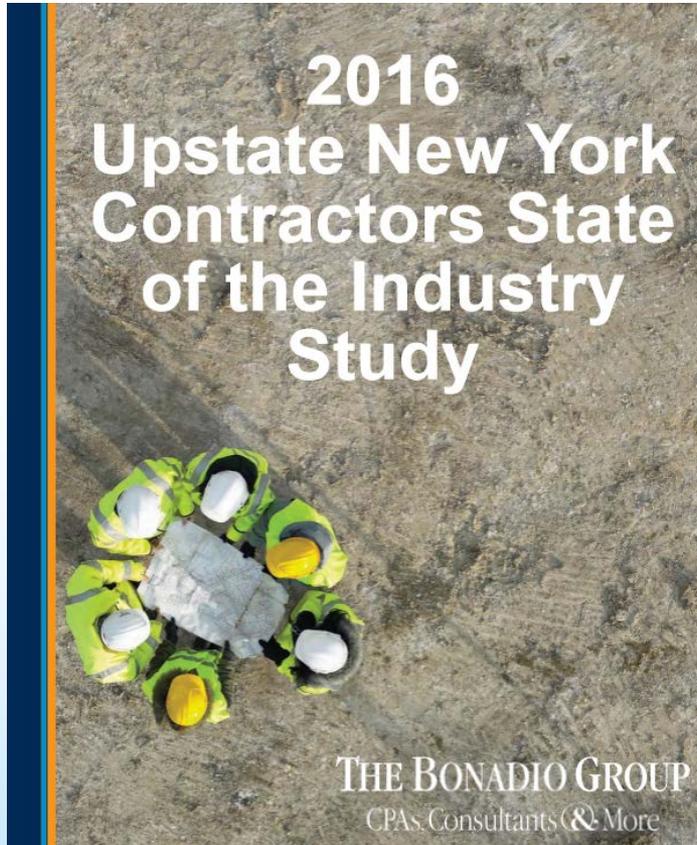


Dig Safely New York Location Requests

Difference in Volume by Year	
2012-2013	-.95%
2013-2014	+4.0%
2014-2015	+7.5%



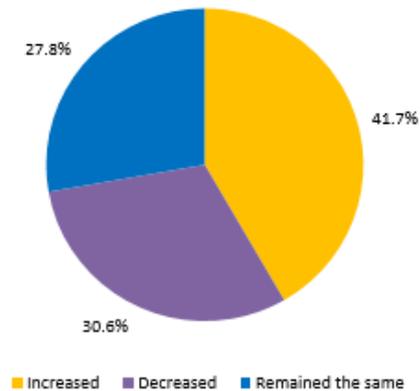
Bonadio Study



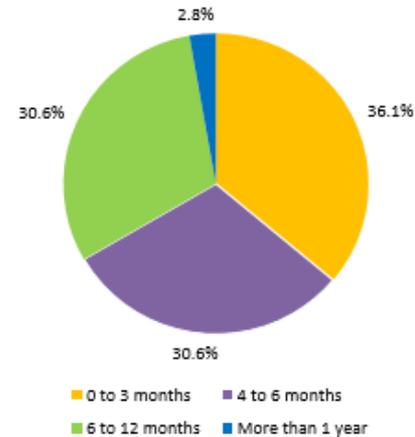
- 44 construction companies participated
- Survey conducted online between February and March 2016

Bonadio Study Backlogs

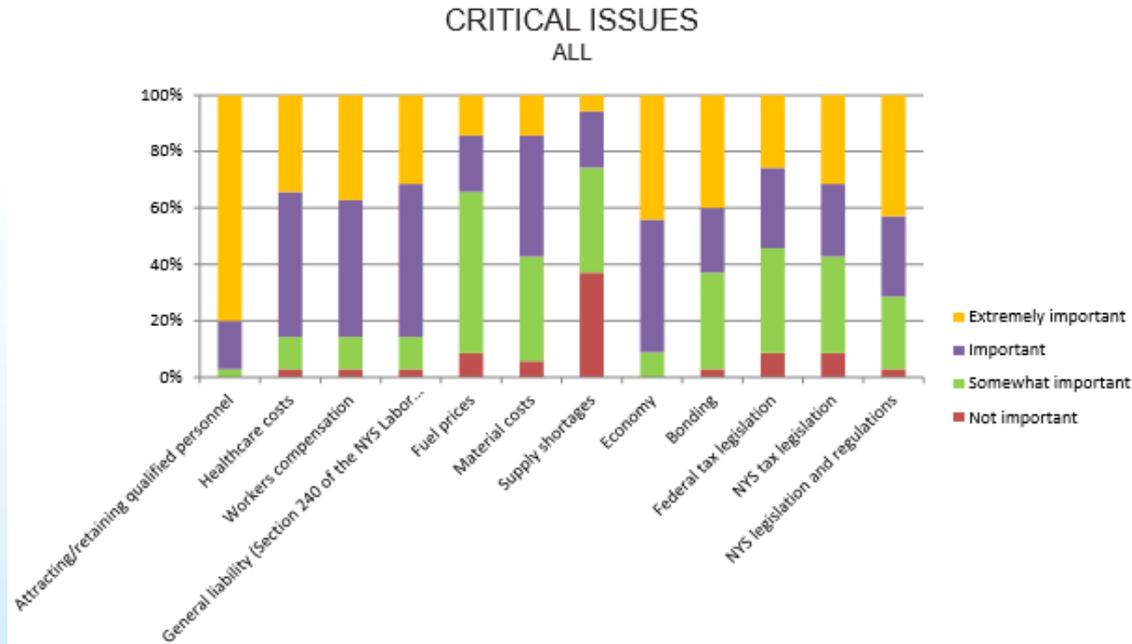
BACKLOG LAST YEAR
ALL



MONTHS OF BACKLOG
ALL



Bonadio Study Critical Issues



Bonadio Study Critical Issues

2016

1. Attracting/retaining qualified personnel
2. Economy
3. Workers Compensation
4. Healthcare
5. General Liability

Most critical issue: People

2014

1. Attracting/retaining qualified personnel
2. Economy
3. Workers compensation
4. General liability
5. Healthcare

Most critical issue: People

Bonadio Study

Increase Profitability

- All respondents' top three ways to increase profitability
 - Need to do what they do better – 86%
 - Safety and risk management – 54%
 - Hire new employees – 51%

March 2016 NYS Office of the State Comptroller Audit



- 91,181 miles of natural gas pipelines (2014)
- 1,153 miles of hazardous materials pipelines (2014)
- 194 pipeline incidents (between 1995 and 2014)
 - 23 fatalities
 - 123 injuries
 - \$77 Million in property damage

Dig Safely New York's Solution



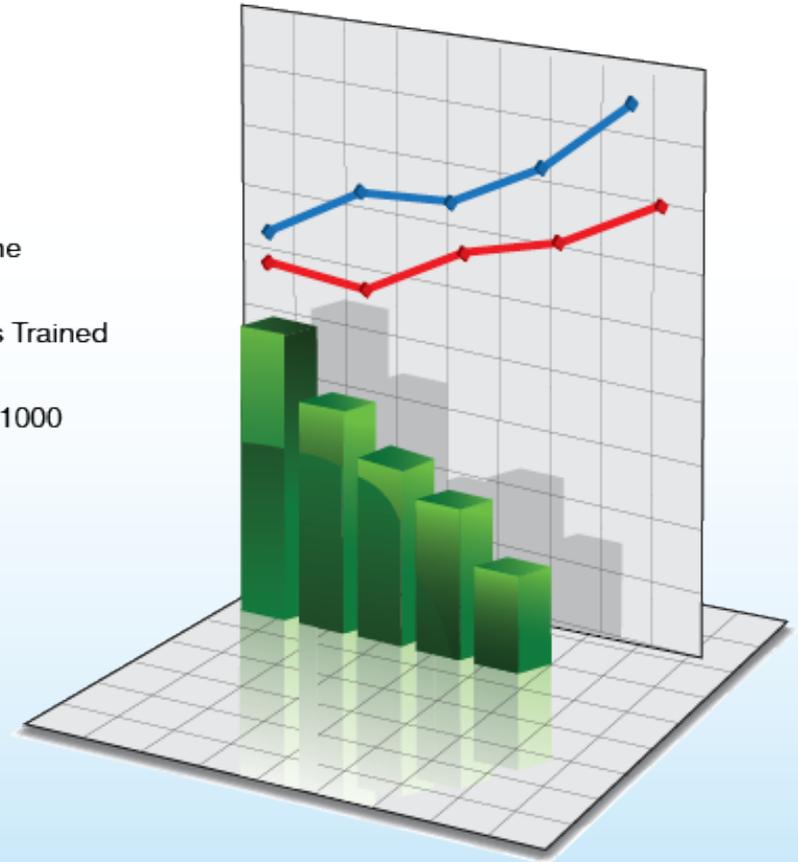
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Education Works

Over the last five years excavator training numbers have increased as the number of damages per 1,000 continue to decrease.

- Call Volume
- Excavators Trained
- Damages/1000



Online Certified Excavator Program



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Targeting Educational Outreach



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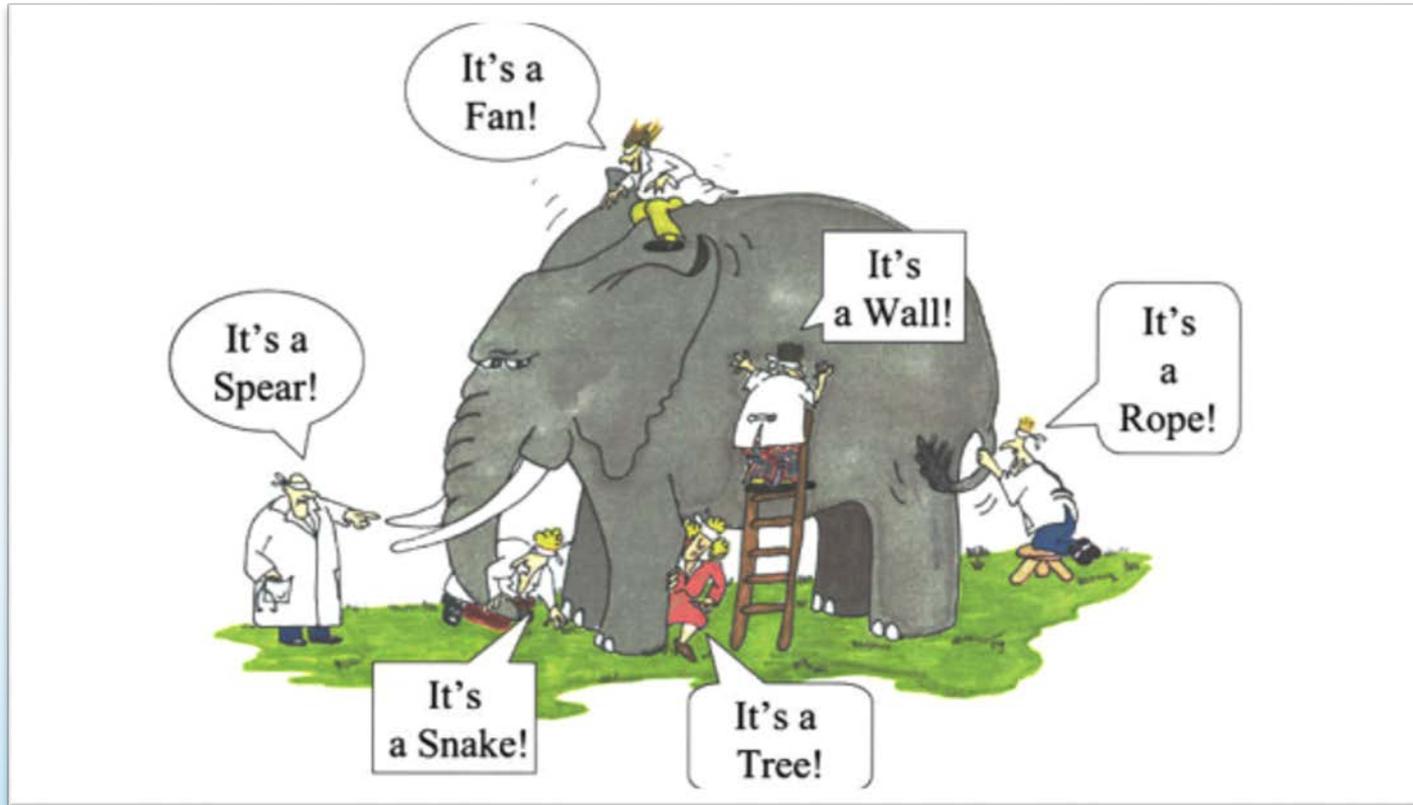
Looking at the Data



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Each Data Silo is Only Part of the Story



Damage Reporting System



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Damage Collection Software

The screenshot shows a web browser window with the following elements:

- Browser tabs: DSNY, Inhouse | Dig Safely New York, Zimbra: Inbox, 811 Dig Safe Damage Tracking | Landing Dig Safely
- Navigation bar: Dig Safely Damage System, Main Page, Tables, Reports, Damages, Search, Users, Ticket Number... (with search icon), Logout
- Dashboard title: Dashboard | Dig Safely
- Three data cards:
 - Blue Card:** Checkmark icon, 40 Total damages waiting to be approved!, View Details
 - Orange Card:** Document icon, 20 Total damages waiting to be completed!, View Details
 - Red Card:** Sad face icon, 60 Total damages this year!, View Details

Dig Safely New York Member Portal

DSNY | Inhouse | Dig Safely New... | Zimbra: Inbox | 811 Dig Safe Damage Tra... | Exhibitor List | DigTrack | NTDS: Views - Dig Safel... | Search | Lenny Perfetti

Home > NYGAS > NTDS

NTDS ☆
WORKBOOK By Steven Cook

Views 12 | Data Sources 5 | Subscriptions 4 | Details

0 selected | Sort by: Sheet (First-Last)

General Filters
Tag: []
 Only my favorites
 Only my recently viewed

- NYGAS Nearthime Dashboard ☆
- Damage Rate History
- Disposition Counts
- Disposition Breakouts
- Cause Classes
- Damages
- Tix Each Day
- Counting Tool
- Educational Outreach
- Causes by County
- Damagers
- Damage Responses

Questions?



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