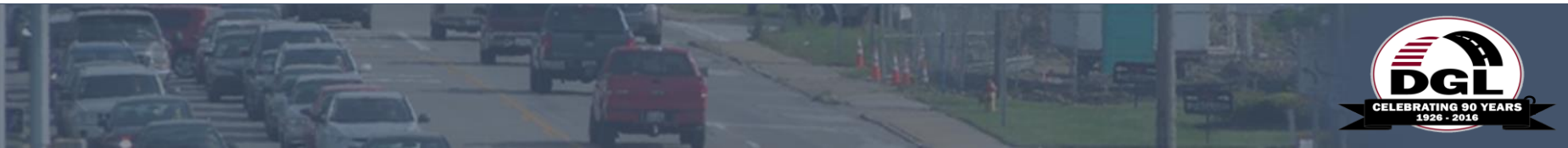


Funding Local Projects



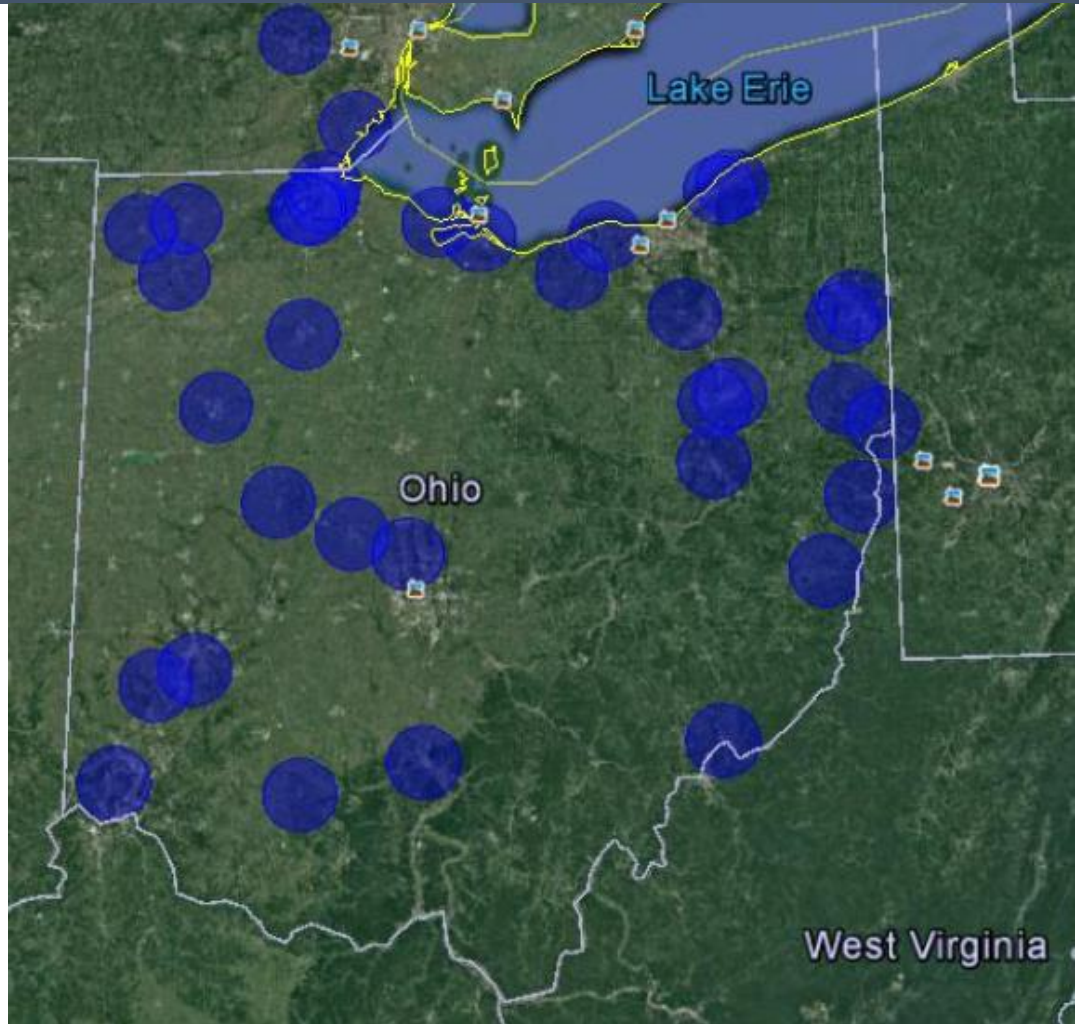
DGL Consulting Engineers, Ltd

- Reputation as one of the most competent engineering consulting firms in our region
- Specialize in all facets of the civil and structural engineering industry
 - Transportation (Roadway, Bridge and Traffic)
 - Site Development
 - Technical Services (Survey, Construction Administration & Inspection)



DGL Consulting Engineers, Ltd

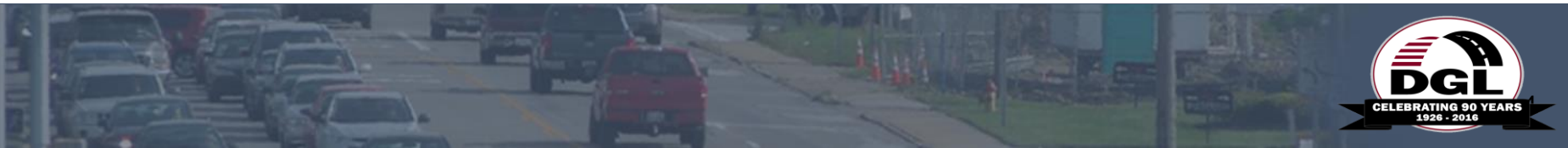
- Often thought of as a Regional firm
- Projects extend throughout Ohio and into Michigan
- Involved in all 2015-2016 projects on I-75 between Findlay and Perrysburg



DGL Consulting Engineers, Ltd

Currently pre-qualified with ODOT in:

- Bicycle Facilities and Enhancement Design
- Non-Complex Roadway Design
- Complex Roadway Design
- Interchange Justification / Modification Studies
- Safety Studies
- Limited Right-of-way Plan Development
- Complex Right-of-way Plan Development
- Level 1 Bridge Design
- Level 2 Bridge Design
- Minor Bridge Inspection
- Basic Traffic Signal Design
- Traffic Signal Systems Design
- Limited Highway Lighting Design



DGL Consulting Engineers, Ltd

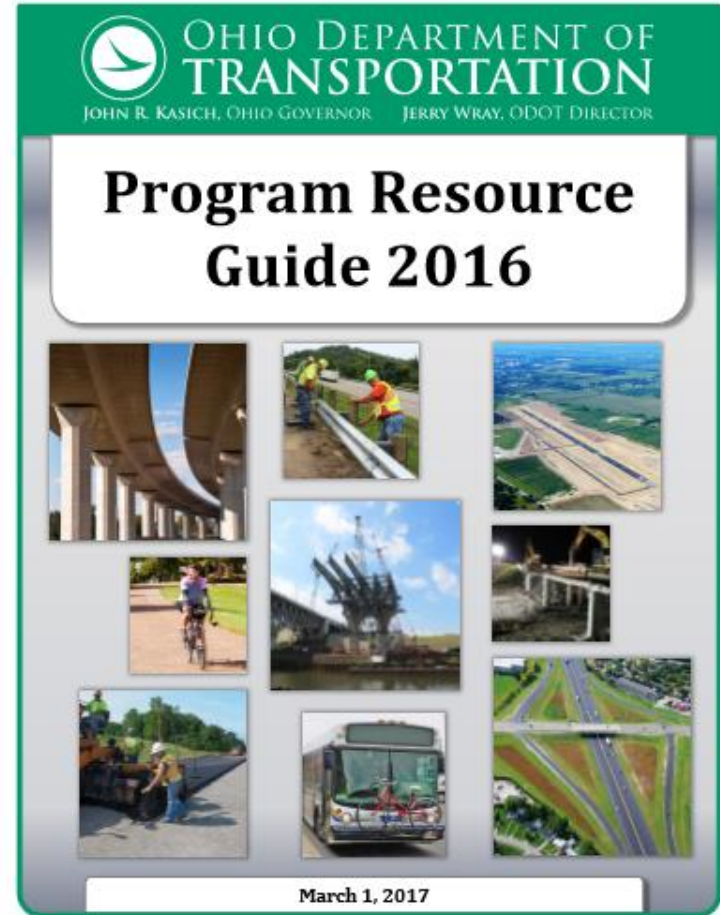
- Excellent client retainage
- Experience and dedication to product delivery
- Recent ODOT District 2 project evaluation comment:

“The plan was produced on an accelerated schedule for fiscal year sale reasons. The consultant was very good.”



Project Funding

Funding through ODOT



Project Funding

Funding through ODOT

- Traditional Roadway & Bridge Projects
- ✓ STP/TAP/CMAQ
- ✓ Safe Routes to School
- ✓ Safety Funds
- ✓ Small City Funds

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Project Funding STP / TAP / CMAQ

- Available to/through MPO's and large Cities located outside of MPO's
- STP: multi-modal maintenance, operational, capital and new construction projects
- TAP: enhance historical cultural, environmental and pedestrian/bicycle components of transportation system projects
- CMAQ: projects that will reduce transportation sector pollutants in air quality designated areas



Project Funding - SRTS

Safe Routes to School

- Provides up to 100% of eligible costs for projects in 5 categories: Engineering, Encouragement, Education, Enforcement or Evaluation
- May include infrastructure improvements, such as sidewalks, pedestrian ramps, signs, pedestrian signals and other safety-related infrastructure.
- Must develop a School Travel Plan to be eligible; funds may be available to assist in development of this plan



Project Funding - SRTS

Safe Routes to School Funds

- DGL has assisted several communities in preparing travel plans, funding applications and construction plans for improvements
- As part of one project, in working with City and County governments, DGL was able to assist in advancing a bridge project's funding in order to complete necessary sidewalk construction, reducing overall costs for all agencies with funding involvement



Project Funding - Safety

Safety Projects

- Traffic Engineering Manual (TEM) 1211
- DGL has held a statewide contract for Safety Studies
- In addition, DGL has assisted several communities in preparing safety studies and applications, presenting results, preparing construction plans and responding to RFI's during construction.

Project Funding – Safety/SSTPP

Systematic Signal Timing & Phasing Program (SSTPP)

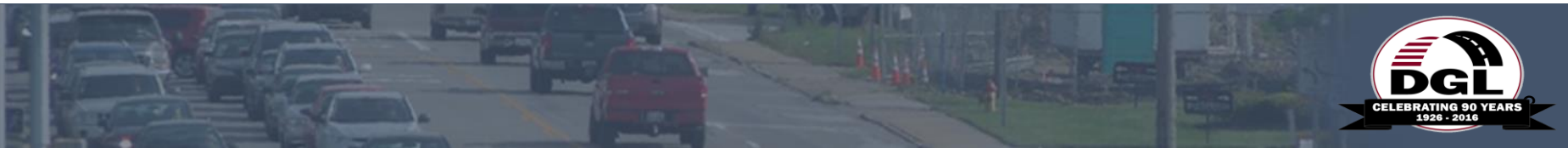
- Traffic Engineering Manual (TEM) 1213-4
- Funded by ODOT Safety Program
 - To systematically update the timing and phasing of signal systems at approved intersections and/or corridors.
 - Requests submitted to the Safety Program Manager through the local District office (District Safety Coordinator).
- DGL currently holds a statewide contract for this program
- DGL has assisted several other communities, outside of this contract, in improving corridor operation.

Project Funding – Safety/SSTPP

The Institute of Transportation Engineers has determined that Signal Retiming reduces:

- Motorist delay by 15% to 37% and
- Overall travel time by 7 to 13%
- Fuel consumption by 6 to 9%
- Vehicle emissions
- Number of collisions and driver aggression

And Results in a 40:1 Return on Investment



SSTPP

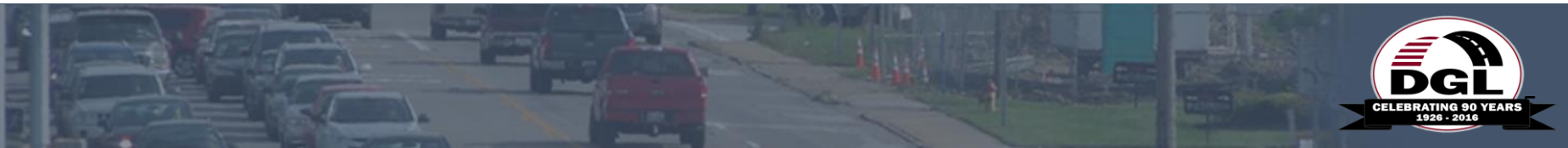
Short, Low Traffic Corridors



SSTPP

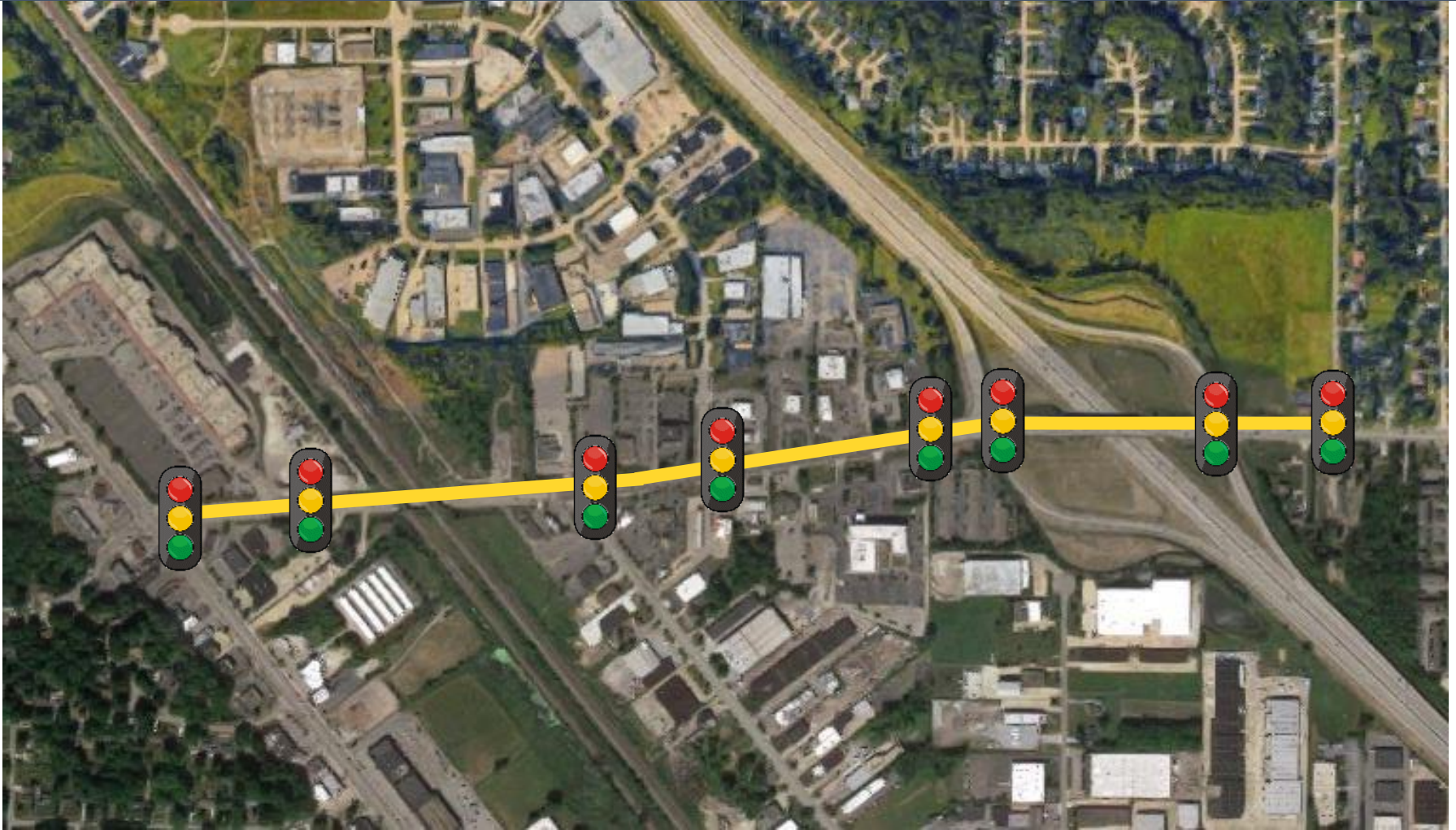
Short, Low Traffic Corridors

- Initiated due to citizen complaints following replacement and upgrade of several signals
- Found that coordination data was not present in one of the controllers; the same controller was not maintaining the correct time of day
- Small Corridors can have problems that are an annoyance, lead to delay and create accident potential
- Often, the solution to such problems is very basic – in this case data input and GPS clock



SSTPP

Long, High Traffic Corridors



SSTPP

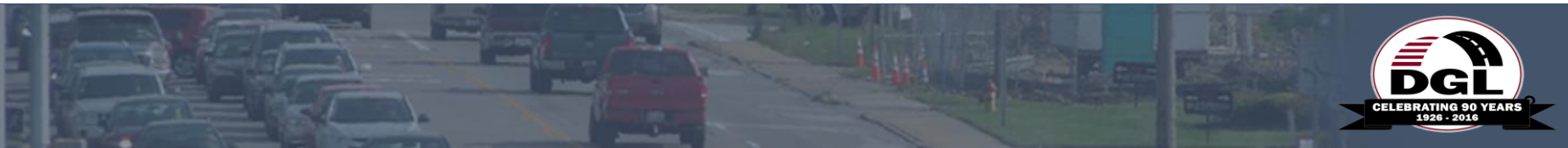
Long, High Traffic Corridors



SSTPP

Long, High Traffic Corridors

- Initiated due to severe congestion along the corridor
- Improvements included modifications to splits and offsets and minor adjustments to detector operations
- Benefits included approximately 3 minute reduction in daily commute on this 1-mile corridor
- This project has led the City to initiate projects on 2 similar corridors



SSTPP

Long, High Traffic Corridors

Estimated Signal Retiming Benefits

Delay Savings

147,607 Hours
\$2,886,105



Crash Reductions

11 Crashes
\$185,279



Emissions Savings

2.3 kg
\$4,544



Fuel Savings

15,782 Gallons
\$29,985



Benefit Cost Ratio

71:1



Project Funding – Small City

- Small City Funds are available to cities with populations of 5,000 to 24,999 located outside of Metropolitan Planning Organizations (MPO's)
- Currently 54 eligible cities
- Provides up to 80% of construction cost only
- Safety and Signal Projects on Federal Aid System are eligible

Project Funding – Other

- Other funding programs are sometimes available
- DGL currently working with a community acquiring replacement controllers through such funding
- If you have a project idea, don't be afraid to pick up the phone and talk with ODOT staff, MPO staff or consultants. You never know what might be available.