

# MOBILITY

Advancing a new age of transportation

Our mobility landscape will likely see more change in the next few decades than we have in the last century. The stories we used to tell about self-driving cars and helicopters-on-demand now seem quaint with the pace of change that we're experiencing in every facet of our mobility networks.

We now live in a time of personalized travel experiences, where every aspect of our journey – from travel time, to cost, and even our choice of transport – can be accessed from a smartphone. Today, government and transportation authorities have to manage a mobility system that is quickly moving beyond roads, bridges, and tunnels to include everything from autonomous vehicles, multimodal mass transit, and travel on demand.

At RVA, we're helping our clients reimagine their existing transportation assets and land uses as healthy mobility ecosystems that don't just evolve amidst change, but drive it. Our transportation services move clients from static and backward-looking optimization techniques to forward-looking capabilities that are integrated with the latest technological advances to operationalize new mobility models, accelerate improvement, and drive future innovation.

Balancing mode choice with

## SUSTAINABLE SOLUTIONS

FOR INTEGRATED COMMUNITIES

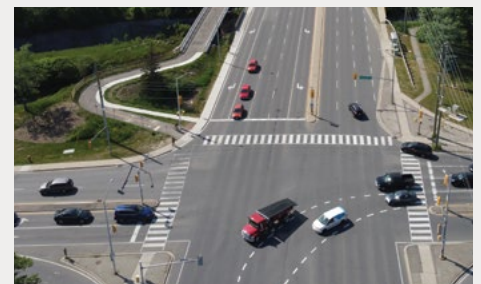
- Accessibility
- Connectivity
- Safety

## Featured projects



**DENISON ROAD GRADE SEPARATION**

**Client:** Metrolinx  
**Location:** Toronto, ON



**TRAFALGAR ROAD IMPROVEMENTS**

**Client:** Halton Region  
**Location:** Oakville, ON



**ALTON VILLAGE STREETSCAPING**

**Client:** Peel Region  
**Location:** Caledon, ON

## Active Transportation

- Active transportation crossing safety
- Bicycle and pedestrian planning
- Cycle tracks and signals
- Design and engineering
- Master planning
- MUP and MUT inventory management and maintenance
- Pedestrian structures and tunnels
- Public engagement
- Wayfinding

## Bridges

- Accelerated bridge construction
- Asset management/prioritization
- Culverts and retaining walls
- Design-build contractor's services
- Design-build owners engineer services
- Grade separations
- New and innovative materials applications
- Service life extension/innovative rehabilitation solutions
- Structural evaluation and strengthening

## Roads + Highways

- Complete street/context sensitive design
- Construction administration and inspection
- Design-build contractor's services
- Design-build owners engineer services
- Feasibility studies
- Municipal and provincial class EA studies
- Municipal road and intersections design
- Provincial highway and interchange design
- Roadside safety assessment
- Roundabout design

## Signals + Illumination

- Bridge illumination
- Inventories and condition assessments
- MUP and MUT illumination
- Parking facility illumination
- Pedestrian and cycling traffic signals
- Road and pedestrian scale photometric analysis
- Roadway illumination
- Roadway traffic signals
- Timing plans and traffic signal coordination

## Transit

- Bus rapid transit
- Construction administration and inspection
- Design-build contractor's services
- Design-build owners engineer services
- Grade separations (rail-rail/road-rail)
- Parking lots and structures
- Train fueling and sanding facilities
- Train layover and maintenance facilities
- Transit priority
- Transit station design

## Transportation Planning

- Intersection control feasibility studies
- Multimodal operations assessment
- Parking design and demand studies
- Railway crossing safety assessment
- Roadway safety assessment
- Traffic calming
- Traffic impact studies
- Traffic staging and management plans
- Transportation master plans
- Travel demand management strategies

This brochure does not include a full suite of services offered. For a full of list of services under Mobility, get in touch with **Nick Palomba**.