

Shortest Path

United Counties of Prescott & Russell - 911 Emergency Services - Microsoft Internet Explorer

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autodesk

911 EMERGENCY SERVICES
SHORTEST PATH
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DISPATCH (Fire Station)
HAWKESBURY

DISPATCH (Ambulance Station)
ALFRED

1 NODE SELECTION
 Start
 Destination
 Off

START
1052

2 DESTINATION
1863

Find Path

SEARCH ADDRESS
No. *
Name Mary St
Search List Streets

x: 531,755.517048, y: 5,049,997.006790 (METER) Parce 21 feature(s) selected 1 : 6,000 954 x 741 (m)

911 Address Range Criteria: Streetname='Mary St' Count: 3

Count	Zoom	Left From	Left To	Right From	Right To	Street Name
1		384	266	385	265	MARY ST
2		526	420	545	429	MARY ST
3		750	700	751	701	MARY ST

Total Resistance: 1.05 Km

ZoomAll ShowWin ZoomWin

Zoom	Count	ID	Street Name	Resistance (M)	Cumul Resist (M)	Turn	Intersection With	Start	End
	1	831	HIGGINSON	134.94	134.94	Go	LAFLECHE	1052	1053
	2	1160	HIGGINSON	65.32	200.26	Go	HAMILTON	1053	1056

Internet

SHORTEST PATH - Netscape

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SHORTEST PATH
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Quarry
United

Demand Area
Merivale Indust

Use Future Roads

Quarry Gate Price (\$/tonne) 4.00

Haulage Cost (\$/tonne/km) 0.10

Find Path

[User Beware](#)

Lat: 45.303969, Lon: -75.581959 Source/Demand: United C 17 object(s) selected 1 : 297,811.9 47.2 x 29.0 (Km)

Shortest Path Route - Summary Report

Date: 1/26/98 Haulage Cost (tonne/km): \$0.10 Quarry Gate Price (tonne): \$4.00
 Start Node: United (52) Total Distance: 16.37 Km Total Delivery Price: \$5.63
 End Node: Merivale Indust (940) Total Transport Cost: \$1.63

Show Route Zoom Route

Count	ID	Street Name	Length	Cumulative	Turn	Intersection With	Start	End
1	1527	Quarry Entrance	146.27	146.27	Right To	Ont Prov Hwy	52	648
2	903	Ont Prov Hwy	1608.83	1755.11	Go Past	Future Road	648	646
3	901	Ont Prov Hwy	2068.27	3823.39	Go Past	Full Load	646	645
4	862	Ont Prov Hwy	501.01	4324.40	Go Past	Full Load	645	625
5	863	Ont Prov Hwy	1724.14	6048.54	Go Past	Full Load	625	624

Introduction

The Hunter GIS Shortest Path Solution for Autodesk MapGuide permits a web-based method of determining the minimum traveled path along a network (roads) between start and end locations (e.g. the shortest distance between two points). Important features and capabilities include:

- Shortest Path queries to determine optimum route for:
 - node-to-node (simple)
 - traversal through a set of nodes in order
 - one-to-many
 - many-to-one
 - many-to-many
 - solution to the Travelling Salesman Problem (TSP) in which an efficient route is found that minimizes the traversal of a series of nodes
- Restrictions may include:
 - weighted intersections (stop signs, stop lights, advanced/delayed signals)
 - resistance (distance or time)
 - roads segments (one-way streets) reflecting real-time conditions
- Web-based access to maps and GIS data to provide spatial reference
- ODBC/OLEDB links to related databases (Hazardous Materials and Emergency support)
- Multi-function hyperlinked on-screen (incident) reporting
- Tool tip viewing of map feature attributes
- Buffer queries to identify other map features
- Integrated Street Intersection Zoom Goto function
- List Streets function for rapid address-based queries

We can customize the Shortest Path solution to your data and business requirements.