pathVu Routing API

https://pathvudata.com/api1/api/routing/

Version 1.0

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The pathVu Routing API returns a route based on the current pathVu sidewalk network and the pathVu Accessibility Index (PAI) routing algorithm.

Notes:
- Currently only accepts POST parameters
- Only accepts From and To stops
- A successful route will return in JSON format
- pathVu account information provided by different API

Required POST Parameters

Parameter	Description	Example
fromlat	Latitude of the From point	40.437750
fromlon	Longitude of the From point	-79.985847
tolat	Latitude of the To point	40.437750
tolon	Longitude of the To point	-79.985847

Optional POST Parameters

Parameter	Description	Example	Default
uacctid	pathVu account ID	876543	Null
tid	User Type	2 (see below)	Null
thw	Tripping Hazard Parameter	Integer 1-4	4
rsw	Running Slope Parameter	Integer 1-4	4
csw	Cross Slope Parameter	Integer 1-4	4
row	Roughness Parameter	Integer 1-4	4

Notes:
- If uacctid is set, tid must also be set in order to get the correct profile.
- The following order will be used for the hazard values if all optional parameters are set:
    1. Stored values according to the user's account ID and set type
    2. Set hazard values
    3. User type defaults

User Type Values

Value	Description
1	Blind/Visually Impaired
2	Sighted and Walking
3	Wheelchair/Scooter User
4	Cane/Walker User

Default Parameters by User Type

User Type	thw	rsw	csw	row
1	3	1	1	2
2	4	4	4	4
3	3	2	2	2
4	3	1	2	2

Errors

Error Number	Description
r001	From latitude is not set
r002	From longitude is not set
r003	To latitude is not set
r004	To longitude is not set
r005	uaactid and tid combination was not found
r006	uacctid was set, but tid was not set
r007	Route not found due to one of the following: • Point was not found • Missing data in sidewalk network