Google Developers

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Products   Google Maps API   Google Maps JavaScript API v3
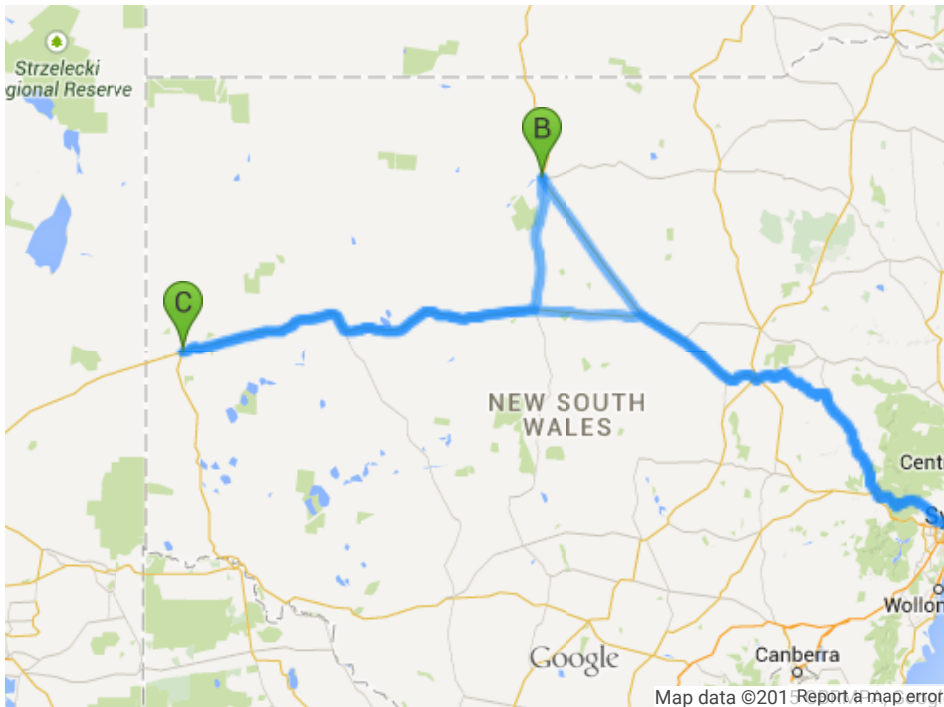
Draggable directions

Total Distance: 2525.057 km

A Sydney NSW, Australia

762 km - about 8 hours 52 mins

1. Head **north** on George St toward Angel Pl
2. Turn **left** onto **Grosvenor St**
3. Merge onto **Bradfield Hwy**
4. Keep **right** at the fork to stay on **Bradfield Hwy**, follow signs for **M1**
5. Continue onto **M1**
6. Continue onto **M2** (signs for Lane Cove

View this example full screen.

JavaScript   JavaScript + HTML

```javascript
var rendererOptions = {
  draggable: true
};
var directionsDisplay = new google.maps.DirectionsRenderer(rendererOptions);;
var directionsService = new google.maps.DirectionsService();
var map;

var australia = new google.maps.LatLng(-25.274398, 133.775136);

function initialize() {

  var mapOptions = {
    zoom: 7,
    center: australia
  };
  map = new google.maps.Map(document.getElementById('map-canvas'), mapOptions);
  directionsDisplay.setMap(map);
  directionsDisplay.setPanel(document.getElementById('directionsPanel'));

  google.maps.event.addListener(directionsDisplay, 'directions_changed', function() {
```

```javascript
      computeTotalDistance(directionsDisplay.getDirections());
    });

    calcRoute();
  }

  function calcRoute() {

    var request = {
      origin: 'Sydney, NSW',
      destination: 'Sydney, NSW',
      waypoints:[{location: 'Bourke, NSW'}, {location: 'Broken Hill, NSW'}],
      travelMode: google.maps.TravelMode.DRIVING
    };
    directionsService.route(request, function(response, status) {
      if (status == google.maps.DirectionsStatus.OK) {
        directionsDisplay.setDirections(response);
      }
    });
  }

  function computeTotalDistance(result) {
    var total = 0;
    var myroute = result.routes[0];
    for (var i = 0; i < myroute.legs.length; i++) {
      total += myroute.legs[i].distance.value;
    }
    total = total / 1000.0;
    document.getElementById('total').innerHTML = total + ' km';
  }

  google.maps.event.addDomListener(window, 'load', initialize);
```