

CCRM ITEM#4

TDM3.0 Update

COMMUTER CONNECTIONS RIDEMATCHING COMMITTEE

MARCH 15, 2016




Milestones

- ▶ 2009 – Commuter Connections launches web-based TDM application including Ridematching, GRH Management, and Special Events
- ▶ 2011 – Commuter Connections TDM application is expanded to manage 'Pool Rewards for Carpools
- ▶ 2013 – Commuter Connections TDM application is expanded to manage 'Pool Rewards for Vanpools
- ▶ 2013 – Commuter Connections launches TDM2.0 with current look and feel design
- ▶ 2014 – Commuter Connections launches its mobile application for Android, Blackberry, and iOS
- ▶ 2015 – Commuter Connections launches customized employer pages for the University of Maryland and Arlington Public Schools
- ▶ 2015 – Commuter Connections undergoes in-depth JBoss and Oracle upgrade and launches TDM3.0

Completed Bug Fixes and Enhancements

- ▶ Public Registration Review/Opt Out Marketing – Early September
 - ▶ TDM Documentation – Early October
 - ▶ SSL Certificates – Early September
 - ▶ DATA Employer Challenge – Early October
 - ▶ JBOSS Upgrade and Oracle Conversion – Early October
 - ▶ SchoolPool2.0 "Go Live" - Mid November
 - ▶ TDM3.0 "Go Live" – Early September
 - ▶ Best Practices Review – Early December
 - ▶ Look and Feel Suggested Designs – Early December
- 

Since December 2015...

- ▶ GRH Applicant Survey (Washington and Baltimore)
 - ▶ Updated Commute Log for VIP, CIP, and general logging
 - ▶ Reports Module Evaluation
 - ▶ Custom Employer Site Administration Module
 - ▶ Route Based Ridematching
 - ▶ New Look & Feel Design Work (TDM4.0)
 - ▶ Dynamic Rideshare Application (Technology Approach and Design Comps)
 - ▶ Updated online Park N' Ride Lot Map
- 

GRH Applicant Survey

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GRH Washington

COMMUTER CONNECTIONS
A SMARTER WAY TO WORK

Logout
Help
HIDE TOOL TIPS

Commuting Employers News and Media About Us

Welcome PHYLIS PROCTOR
Questions? Call 1-800-764-0100, (P30)

WELCOME TO COMMUTER CONNECTIONS

Commuter Connections Guaranteed Ride Home Survey

Q1
Commuter Connections is conducting this online survey for commuters who have registered for or participated in Commuter Connection's Regional Guaranteed Ride Home (GRH) program. Your answers will be confidential. It will take about 10 minutes. Thank you for your participation. Please complete the survey and click on the "SUBMIT" button at the end.

In what year did you first register for Commuter Connection's GRH program?

- Before 2011
- 2012
- 2013
- 2014
- 2015
- 2016
- 2013
- Never registered/don't recall registering
- Don't remember/don't know the year registered

[NEXT >>](#)

- EDIT PROFILE
- RIDESHARING
- GUARANTEED RIDE HOME
- SPECIAL EVENTS
- POOL REWARDS
- FEEDBACK
- COMMUTE LOG

COMMUTE RESOURCES

FIND BIKE PATHS (BETA)

QUICK LINKS

- Announcements
- Bicycling
- Services for Employers
- Guaranteed Ride Home
- Ridesharing
- Carpool
- Teleworking
- Public Transportation
- Walking
- Network Member Jurisdictions

Pool Rewards

'POOL REWARDS
It Pays to Rideshare

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A SMARTER WAY TO WORK

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WELCOME TO COMMUTER CONNECTIONS

Commuter Connections Guaranteed Ride Home Survey

Q2
What major roads do you use on your trip to work?

In each of the lists below, you can choose more than one item. Windows users, hold down the control key while clicking on an item to select it. Macintosh users, hold down the command key and click to select several options.

What interstate highways or major U.S. or state roads?

- Capital Beltway (I-495) (MD)
- Capital Beltway (I-495) (VA)
- I-66 OUTSIDE the Beltway (VA)
- EGYPT STATE Line Beltway (VA)
- I-95 (MD)
- I-95 (VA)

What major state or US routes?

- BW Parkway (US 295, Baltimore-Washington Parkway - MD)
- Dulles Toll Road (Dulles Greenway, Route 267)
- GW Parkway (George Washington Parkway)
- ICC (Inter-County Connector, Route 200)
- US Route 1 (Maryland)
- US Route 1 (Virginia - Richmond Highway, Jefferson Davis Highway)

Any other major county or city roads?

COMMUTE RESOURCES

FIND BIKE PATHS (BETA)

QUICK LINKS

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- Teleworking
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- Walking
- Network Member Jurisdictions

Pool Rewards

'POOL REWARDS
It Pays to Rideshare

GRH Applicant Survey (cont....)

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GRH Baltimore

The screenshot shows the homepage of the Commuter Connections website. The header includes the logo, navigation links (Logout, Help, HIDE TOOL TIPS), and a welcome message for DUNGAN CARTER. The main content area features a 'WELCOME TO COMMUTER CONNECTIONS' section with a 'Commuter Connections Guaranteed Ride Home Survey' link. Below this is a list of services and a 'Pool Rewards' section with a 'POOL REWARDS' logo and the text 'It Pays to Rideshare'. The footer contains a 'NEXT >>' button.

The screenshot shows the survey page of the Commuter Connections website. The header is identical to the home page. The main content area features a 'WELCOME TO COMMUTER CONNECTIONS' section with a 'Commuter Connections Guaranteed Ride Home Survey' link. Below this is a question: 'If you were to drive to work, what major roads would you use?'. The survey includes two dropdown menus for selecting interstate highways and state routes. The first dropdown is labeled 'What Interstate highways or major U.S. or state roads?' and the second is labeled 'What major state or US routes?'. The footer contains a 'Pool Rewards' section with a 'POOL REWARDS' logo and the text 'It Pays to Rideshare'.

Commute Log Enhancements

Calendar View

General Log

The screenshot shows the 'DAILY COMMUTE LOGS CALENDAR' interface. At the top, there's a navigation bar with 'COMMUTER CONNECTIONS' logo and links for 'Commuting', 'Employers', 'News and Media', and 'About Us'. A 'Log out' and 'Help' link is also present. Below the navigation, a 'DAILY COMMUTE LOGS CALENDAR' section features a calendar for March 2016. A legend indicates that clicking a date shows log tips, and editing the profile is possible. To the right of the calendar, there are several widgets: 'Pool Rewards' with a 'POOL REWARDS' logo and 'It Pays to Rideshare' text; 'Cost of Commuting Calculator' with a circular diagram; and 'Latest News' with a 'NEWS' newspaper icon. At the bottom, there are two summary tables: 'Trip Summary' and 'Savings Summary'.

Travel Mode Used	Trips	%
Transit	1	0%
Carpool	0	0%
Varpool	8	73%
Bike	2	18%
Walk	0	0%
Telework	0	0%

* Total Vehicle Miles Traveled (VMT)	74
* Total Pollution Reduced (in tons)	64
* NOx Reduced (in grams)	44.45
* VOC Reduced (in grams)	28.13
* PM Reduced (in grams)	1.75
* CO2 Emission Reduced (in grams)	34,656.51
* Fuel Savings in Gallons (PGI = 3.775 gal/gal)	5
* Fuel Cost Savings in Dollars (PGI = 2.903)	8
* Commuter Cost Savings in Dollars (WHR = 56.8 cents)	542*
* Fuel Saved (Gallons)	3.0
* Fuel Saved (Dollars)	58

The screenshot shows the 'DAILY COMMUTE LOGS' interface for the date 03/10/2016. It features a navigation bar similar to the calendar view. The main content area is titled 'DAILY COMMUTE LOGS' and shows two trips: 'Trip 1: Home To Work' and 'Trip 2: Work To Home'. Each trip has a form with fields for 'Leg', 'From', 'To', 'Travel Mode', and 'Distance'. For Trip 1, the 'From' field is 'Home' and 'To' is 'Work', with a distance of 7 miles. For Trip 2, the 'From' field is 'Work' and 'To' is 'Home', also with a distance of 7 miles. Below the forms, there are buttons for 'Return to Calendar', 'Clear Log', and 'Save Log'. To the right, there are widgets for 'Pool Rewards', 'Cost of Commuting Calculator', and 'Latest News', identical to the calendar view.

Commuter Log Enhancements 'Pool Rewards for Carpools

Calendar View

CIP Log

DAILY COMMUTE LOGS CALENDAR

Click a date in the calendar below to log tips for that date, or edit your commute log profile.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Trip Summary

Travel Mode Used	Trips	%
Transit	0	0%
Carpool	13	92%
Vanpool	1	7%
Bike	0	0%
Walk	0	0%
Telework	0	0%

Savings Summary

- Total Vehicle Miles Traveled (VMT): 73,170
- Total Pollution Reduced (in tons): 36.59
- NOx Reduced (in grams): 43,956.24
- VOC Reduced (in grams): 27,818.13
- PM Reduced (in grams): 1,730.49
- CO₂ Emission Reduced (in grams): 34,216,356.71
- Fuel Savings in Gallons (FG) = VMT / 25.2: 2,904
- Fuel Cost Savings in Dollars (FC) = 2,904: 7,556
- Commuter Cost Savings in Dollars (MVR = \$5.5 cents): 541,414*
- Fuel Saved (Gallons): 2904.0
- Fuel Saved (Dollars): 57260

DAILY COMMUTE LOGS

03/14/2016

Did Not Commute (Holiday)

Trip 1: Home To Work

Leg	From	To	Travel Mode	Distance
1*	Home	Work	Carpool	9000 miles
2*				miles

Trip 2: Work To Home

Leg	From	To	Travel Mode	Distance
1*	Work	Home	Carpool	9000 miles
2*				miles

* Required << Return to Calendar Clear Log Save Log >>

Pool Rewards

Cost of Commuting Calculator

Latest News

Commuter Log Enhancements 'Pool Rewards for Vanpools

Calendar View

VIP Log

DAILY COMMUTE LOGS CALENDAR

Click a date in the calendar below to log trips for that date, or edit your commute log profile:

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Trip Summary

Travel Mode Used	Trips	%
Transit	0	0%
Carpool	0	0%
Vanpool	20	100%
Bike	0	0%
Walk	0	0%
Telework	0	0%

Savings Summary

- Total Vehicle Miles Traveled (VMT): 144
- Total Pollution Reduced (in tons): .07
- NOx Reduced (in grams): 86.51
- VOC Reduced (in grams): 54.75
- PM Reduced (in grams): 3.41
- CO₂ Emission Reduced (in grams): 67,342.40
- Fuel Savings in Gallons (FGI = MPG / 25.7): 6
- Fuel Cost Savings in Dollars (FGI * \$2.60): \$15
- Commuter Cost Savings in Dollars (MPG * \$5.6 cents): \$82*
- Fuel Saved (Dollars): 6.0
- Fuel Saved (Dollars): \$15

POOL REWARDS - COMMUTE LOGS

Edit Van Logs for 03/09/2016

Passenger Information

Passenger Name	To Work	To Present	To Home	Present	Traveling from	Departed	Arrived
Select All					Home to Work		
Did Not Operate					Work to Home		

STRENGTHS/PARTICIPATION: 8 12 8 12 Total Van Driving Time: []

POSS. RIDERS: 15 15

Odometer Record

Travelling from	Odometer Start	Odometer End
Home to work	0	0
Work to home	0	0
Missed Drive Today		

Expense Record

Type	Amount
Gas Fuel \$	
Subway	
Price per Gallon \$	
Parking \$	
Tolls \$	
Other \$	
Description	

Save Logs | Back to Search

Custom Employer Site Module

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Add/Edit/Remove

The screenshot shows the 'MANAGE EMPLOYER MICROSITES - EDIT SITE' interface. The header includes the 'COMMUTER CONNECTIONS' logo and navigation links for 'Commuting', 'Employers', 'News and Media', and 'About Us'. The main content area is divided into two columns. The left column contains form fields for 'Employer ID' (540455), 'Employer Name' (MWCOG), and 'Microsite URL' (http://mwcog2.mediabeef.com/mwcog?e=540455). Below these are color selection tools for 'Header Background', 'Page Background', 'Footer Background', and 'Menu Font Color Background'. An 'Employer Logo' section includes a 'Choose File' button and a note: 'Note: must be 480px X 100px tall'. At the bottom are 'SAVE' and 'CANCEL' buttons. The right column features a vertical menu with links: 'SYSTEM ADMIN', 'COMMUTER ADMIN', 'POOL ADMIN', 'GRH ADMIN', 'SPECIAL EVENTS', 'EMPLOYER ADMIN', 'REPORTS', and 'VMT REPORTS'. Below the menu are three featured content blocks: 'Pool Rewards' with a blue header and 'It Pays to Rideshare' text; 'Cost of Commuting Calculator' with a blue header and a calculator interface; and 'Latest News' with a blue header and a 'NEWS' graphic.

Output

The screenshot shows the 'WELCOME TO COMMUTER CONNECTIONS' output page. The header features the 'TPB' logo and navigation links for 'Commuting', 'Employers', 'News and Media', and 'About Us'. The main content area is divided into two columns. The left column contains a welcome message: 'Welcome to your personal commuter center, where you take charge of your own commute!'. Below this is a list of actions: 'Edit your profile', 'Use our Google based mapping software to instantly find ride-match partners to commute to work or special events with', and 'Sign up for our free Guaranteed Ride Home* (GRH) program'. A paragraph follows: 'To get started with any of our free programs, simply click on the green tabs above to sign-up. Save time, save money, save the environment, whatever the reason, with Commuter Connections people just like you are changing the way they commute everyday. We're here to help.' Below this is another paragraph: 'And for a limited time, newly formed carpools can sign up for Pool Rewards*, the commute that pays.' The right column features a vertical menu with links: 'SYSTEM ADMIN', 'COMMUTER ADMIN', 'POOL ADMIN', 'GRH ADMIN', 'SPECIAL EVENTS', 'EMPLOYER ADMIN', 'REPORTS', and 'VMT REPORTS'. Below the menu are three featured content blocks: 'COMMUTE RESOURCES' with a green header; 'FIND BIKE PATHS (BETA)' with a green header; and 'QUICK LINKS' with a green header and a list of links: 'Announcements', 'Bicycling', 'Services for Employers', 'Guaranteed Ride-Home', 'Ridesharing', 'Carpool', 'Teleworking', 'Public Transportation', 'Walking', and 'Network Member Jurisdictions'. Below the menu are three featured content blocks: 'Pool Rewards' with a blue header and 'It Pays to Rideshare' text; 'Cost of Commuting Calculator' with a blue header and a calculator interface; and 'Latest News' with a blue header and a 'NEWS' graphic.

Custom Employer Site Module Final Products

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APS

Arlington Public Schools Login Help HIDE TOOL TIPS
Commuting Employers News and Media About Us

WELCOME TO COMMUTER CONNECTIONS

PLEASE NOTE THE FOLLOWING:

If you have not registered with **Commuter Connections** before and would like to create an account, Please click the 'Create Account' button below.

If you already have an account with us and have been using the **RideMatching** and **Guaranteed Ride Home (GRH)** services, please do not register again. Your login information (user id and password) will be sent to you shortly.

Questions, please call **1-800-745-RIDE (7433)** regarding **RideMatching (CCRS)** and **Guaranteed Ride Home (GRH)** services or other questions you may have on commuting options.

NEW USER? CREATE ACCOUNT

A valid User Name and Password are required to identify and maintain the confidentiality of the information about you.

Would you like to create an account?

MEMBER SIGN ON

Already have an account? Please login:

Please Enter User Name:

Please Enter Password:

(User Name and Password are case sensitive)

Forgot User Name? Please call **1-800-745-RIDE (7433)**

Forgot Password?

COMMUTE RESOURCES

FIND BIKE PATHS (BETA)

QUICK LINKS

- Announcements
- Recycling
- Services for Employers
- Guaranteed Ride Home
- Ridesharing
- Carpool
- Teleworking
- Public Transportation
- Walking
- Network Member Jurisdictions

'POOL REWARDS

It Pays to Rideshare

Cost of Commuting Calculator

UMD

UNIVERSITY OF MARYLAND Login Help HIDE TOOL TIPS
DEPARTMENT OF TRANSPORTATION SERVICES
Commuting Employers News and Media About Us

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A valid User Name and Password are required to identify and maintain the confidentiality of the information about you.

Would you like to create an account?

MEMBER SIGN ON

Already have an account? Please login:

Please Enter User Name:

Please Enter Password:

(User Name and Password are case sensitive)

Forgot User Name? Please call **1-800-745-RIDE (7433)**

Forgot Password?

COMMUTE RESOURCES

FIND BIKE PATHS (BETA)

QUICK LINKS

- Announcements
- Recycling
- Services for Employers
- Guaranteed Ride Home
- Ridesharing
- Carpool
- Teleworking
- Public Transportation
- Walking
- Network Member Jurisdictions

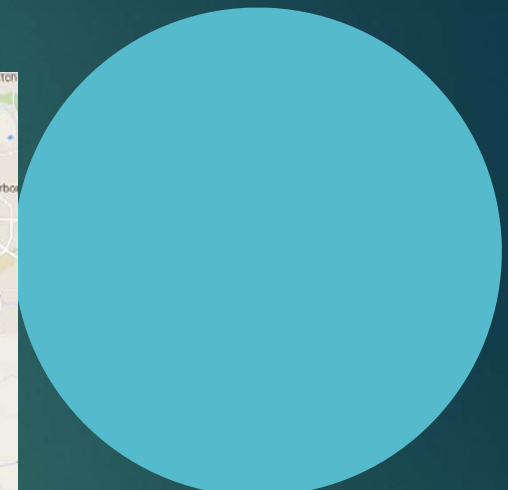
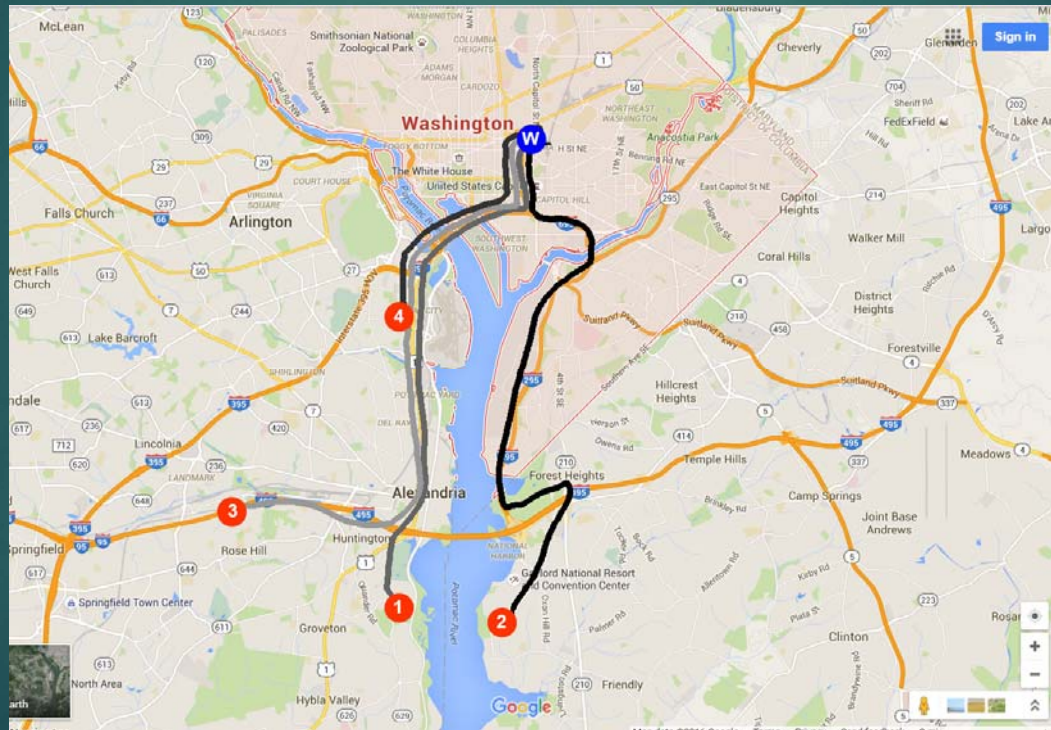
'POOL REWARDS

It Pays to Rideshare

Cost of Commuting Calculator

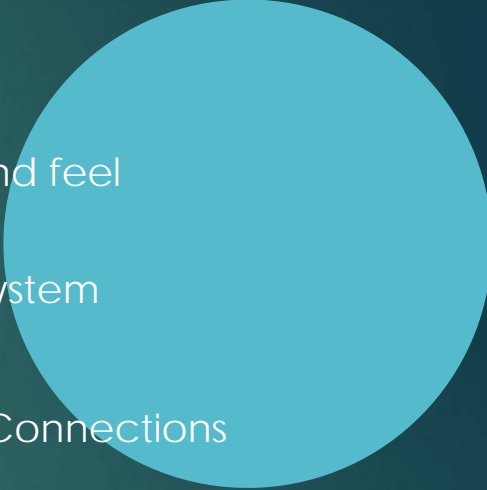
Route-based Ridematching Proof of Concept

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TDM4.0 Working Group

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- ▶ Working group's focus:
 - ▶ Review and provide input and recommendations for look and feel update
 - ▶ Provide guidance for desired future improvements to TDM System
 - ▶ Review and provide input on the Best Practices Review
 - ▶ Report working group recommendations to the Commuter Connections Ridematching Committee
- 

TDM4.0 Working Group Findings

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- ▶ Streamline and consolidate the application process wherever possible but continue to maintain the standard of information required to join
- ▶ Suggest adding "Information Only" as a program
- ▶ Investigate the possibility of requiring one form of contact information for all accounts created
- ▶ Investigate the possibility to toggle on/off reports by user in order to clean up interface and maintain clarity for user
- ▶ Route-based ridematching option will be essential to the successful operation of the software
- ▶ Investigate the possibility of adding a "Session Time Out" warning for users
- ▶ Continue to review the "Best Practices" document for future upgrades

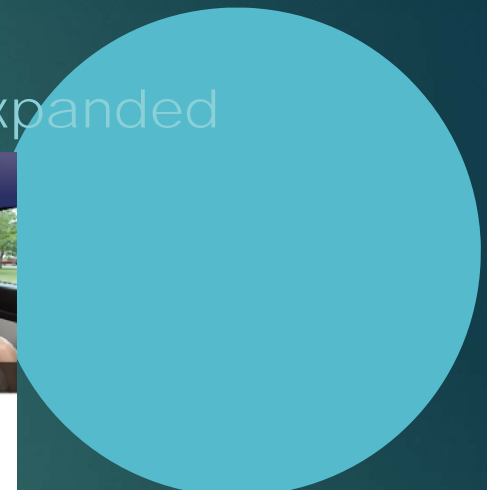
TDM4.0 Look and Feel Design

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New Home Page



New Home Page Expanded



TDM4.0 Wire Frames

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New User Home

This wireframe shows the 'New User Home' page. At the top right, it says 'Welcome Nicholas Ramos' with a 'Questions? Call 1-800-745-RIDE (7432)' link. A navigation bar includes 'Home', 'Edit Profile', 'Find Ridematches', 'Commute Log', 'Administration', and 'Logout'. Below this is an 'Intro Message' section. The main content area is divided into a 'Featured Programs' section on the left, which contains a large placeholder box and a paragraph of Lorem Ipsum text, and a 'Subnavigation for the current section' on the right. The subnavigation includes three items: 'Pool Rewards Information [ad spot]', 'Special Events [ad spot]', and 'Cost of Commuting Calculator [ad spot]'. At the bottom, there is a footer with 'About Us | Contact | Terms of Use | Privacy Policy' and the full name of the National Capital Region Transportation Planning Board.

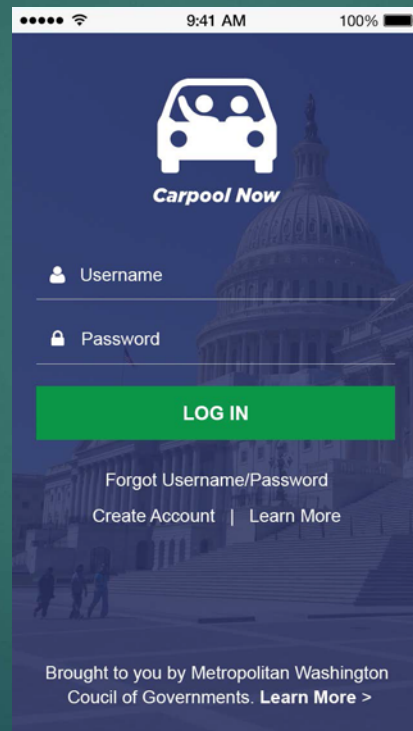
New User Match View

This wireframe shows the 'New User Match View' page. It features a map of the Washington, DC area with various colored markers (red, blue, green) indicating match locations. The map is titled 'Map View' and includes links for 'Driving Directions' and 'Transit Options'. To the right of the map is a 'Radius | Route' section with a 'Change Match Preferences' button, an 'Add/Change Addresses' button, and dropdown menus for 'Start Radius: 5 miles' and 'End Radius: 5 miles', with an 'Update Search' button. Below the map is a 'Match List' section with 'Email Matches' and 'Print Matches' buttons. The match list contains four entries, each with a name, email, phone number, state, employer, and schedule. At the bottom, there is a 'Map Legend' section and a footer with 'About Us | Contact | Terms of Use | Privacy Policy' and the full name of the National Capital Region Transportation Planning Board.

Dynamic Rideshare Application

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► Design Concept 2 - Login



Dynamic Rideshare Application

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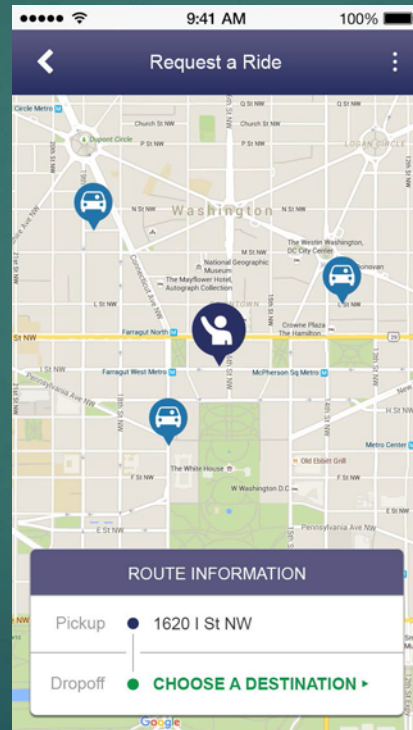
► Design Concept 2 - Home



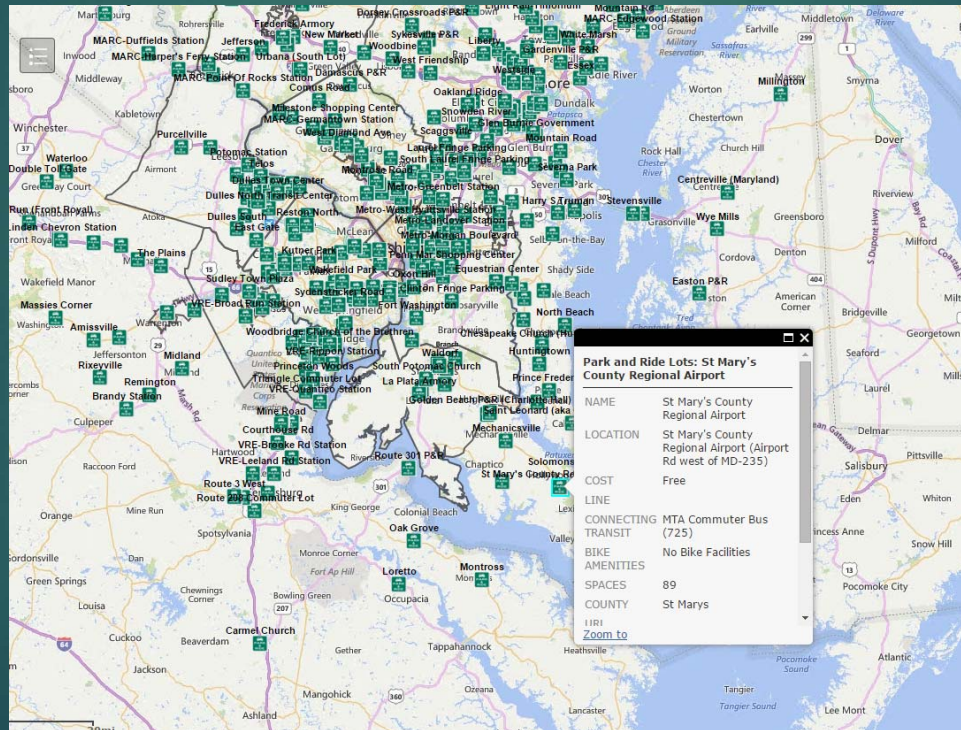
Dynamic Rideshare Application

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► Design Concept 2 - Matches



Updated Online Park N' Ride Map



To Do List

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- ▶ CMS Tool Review
- ▶ Facebook Login Integration
- ▶ One-click Ridematching
- ▶ Bike Routing System Overhaul
- ▶ GRH Ride Request & Integration w/ TDM Applications



Questions?

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