



**District of Columbia
Geographic Information System
Steering Committee
December 11th , 2012**

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Agenda

- GISSC Business - Quorum
- GIS News
 - ❖ OCTO GIS moved to 200 I (Eye) ST SE (Navy Yard Metro – Green Line)
 - ❖ Continued progress on DC Atlas All-In-One upgrade to DC Atlas Plus
 - ❖ Fall 2012 Broadband Data Load and Broadband Map
 - ❖ 2013 Planimetrics and Ortho Project
 - ❖ SuperStorm Sandy Support
- ArcGIS 10.1 Progress Report – Zhen Lo
- Data Report – Chris Faust
- Training Report – Eva Stern
- Agency Presentation – DPW's David Koehler, Leaf Collection App





Introductions & Quorum





Minutes from last meeting

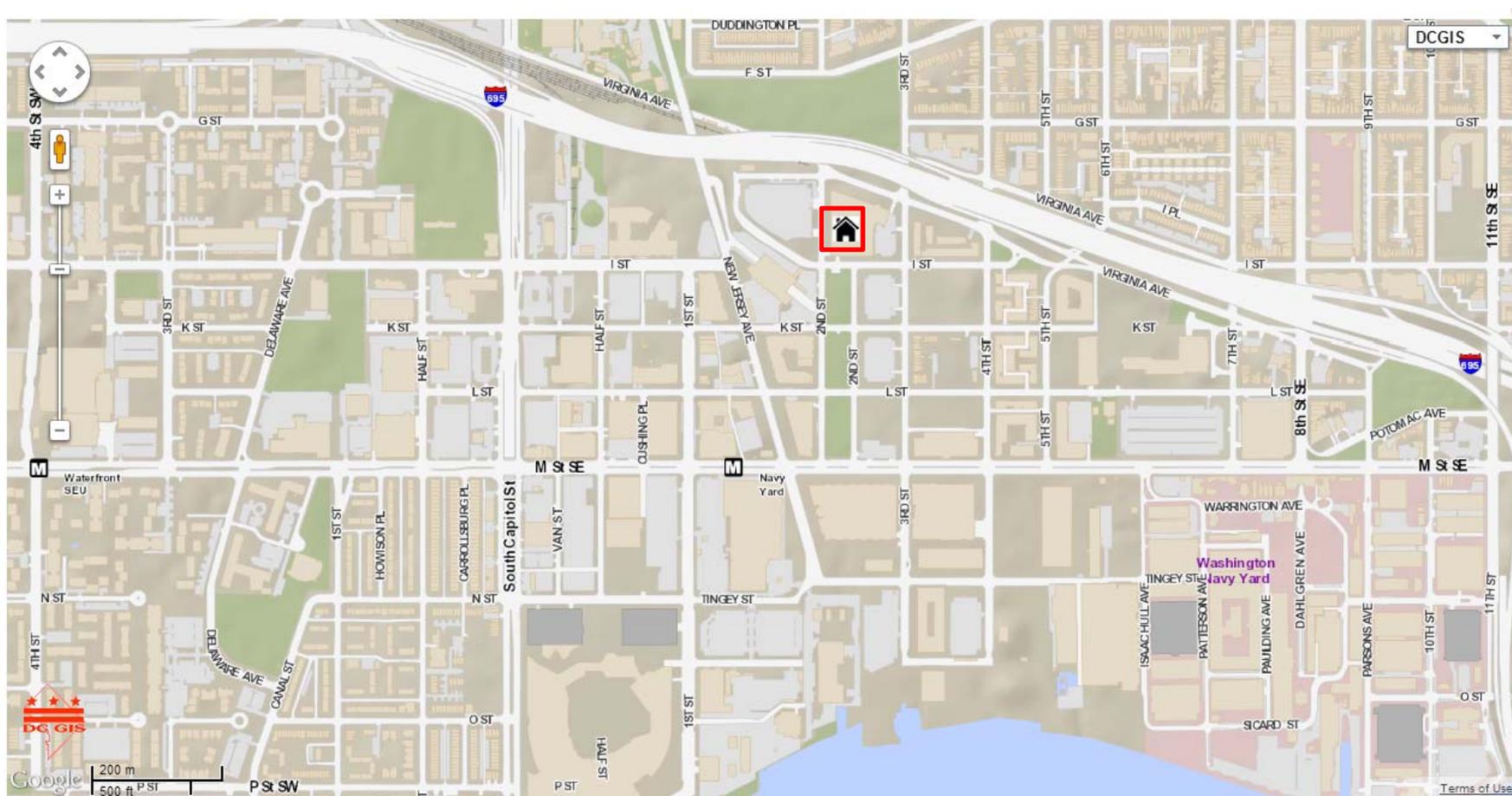




News: We've moved!



- OCTO GIS now located at: 200 I (Eye) ST SE, Washington, DC 20003





News and Notes



- DC Atlas Plus (migration of DC Atlas) January



News and Notes



- SBI Grant – submitted Fall 2012 data, new map app

The screenshot shows a web browser window with the URL `broadband.dcgis.dc.gov/DCmap.html`. The page header includes the District of Columbia logo and the slogan "One City, One Government, One Voice", along with a portrait of Mayor Vincent C. Gray. A navigation bar contains links for "Mapping Home", "Interactive Map", "Broadband Use Survey", "Test Your Speed", "CAI Survey", "FAQ", and "Broadband Providers".

The main content area is titled "Broadband Map beta" and features a search bar for "street address" and a "Go To Ward" dropdown menu. A "MAP OPTIONS" sidebar on the left includes sections for "Broadband Map Theme" (set to "No Map Selected"), "Background" (set to "DC Basemap"), "Political Boundaries" (set to "None"), and checkboxes for "Speed Test Results", "Community Anchor Institutions", and "Wireless Hotspots". Below these are links for "Broadband Adoption Rate Maps" and "AVAILABLE PROVIDERS". A "PROVIDE FEEDBACK" section includes a text input field and a note: "Take the Broadband Public Survey. Enter comments about the map or broadband data here. 1000 characters available".

The central map area displays a map of the District of Columbia with a yellow overlay representing broadband data. A "Transparency" slider is positioned above the map. On the right side of the map, there are "Print" and "Share Link" buttons. At the bottom of the page, there are logos for DC GIS, octo (Office of the Chief Technology Officer), and the District of Columbia seal.



News and Notes



- Continuing application migrations to support AGS 10.1
- Recent application enhancements- TOPS, GoDCGo, Circulator Map, Bulk Trash, Leaf Collection, MAR web service etc
- 2013 Planimetric & Ortho Project; Height Study
- Hurricane Sandy support & Inauguration
- Executed FY13 software procurements
 - ESRI ELA YR3, Google Maps and Earth, Citrix and business data
 - Plan to upgrade to Xtools 9 (currently running v6)



News and Notes



- MAR Updates
 - Completed review of 2012 Orthophoto for changes affecting the MAR. This process resulted in about a dozen new address, and dozens of updates to existing addresses. These updates were mainly addresses changing their status from active to retire or assigned to active.
 - A MAR Geocoder 3.0 User Guide was published.
 - Added new large residential and commercial developments to the MAR. Villages at Dakota Crossing Phase I and II. Market at Dakota Crossing, The Hampshires Phase I and Chancellors's Row Phase III.
- VPM Updates
 - Total Reservations available in DC GIS (1001)
 - Archived Reservations (86)
 - Production Reservations (915)



Migration Path to ArcGIS 10.1- Status Zhen Lo



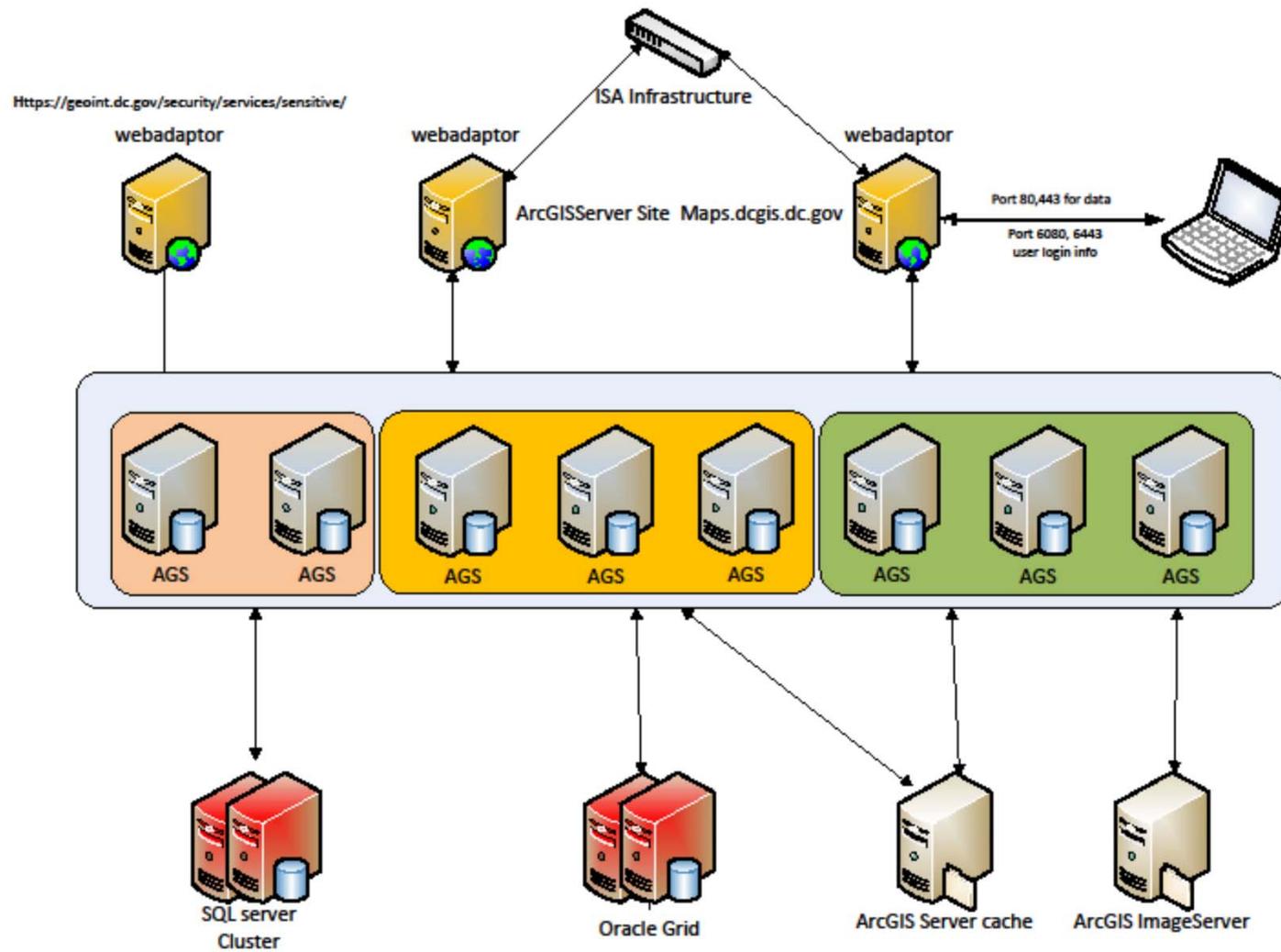


ArcGIS 10.1 Status

- Rebuild of DCGIS/OP Tools underway (presently in VB6 will be C#) 85% complete.
- Republished all map services as 10.1, also published several utilities for printing, manage cached maps etc.
- Support for special projects that require database versioning and web transaction editing are available via a new SQL Cluster
- ArcGIS Server Architecture redesigned to be more stable and scalable
- Oracle RAC Cluster will move to the Oracle Grid
- Migration 40+ applications to work with 10.1



ArcGIS Server 10.1 Architecture





We are not there yet....



- ArcGIS Server 10.1 Now available – (running concurrent with 9.3.1)
 - But maps.dcgis.dc.gov url is dependent on app migration
- SQL Cluster 2010 – Now
- DCGIS resource pool (test environment) – Now
- DCGIS Central Oracle Grid 11g cluster – February
 - Presently testing during December, automated feeds, data updates etc.
- Citrix 6.5 with ArcGIS Desktop 10.1- March



Data Report

Chris Faust





Updated Datasets



- Anacostia Watershed Project
- **Aerial Photography 2012**
- Bicycle Lane
- Broadband Adoption - 2010 Tract
- Broadband Adoption - Ward
- **Cama Residential, Condo, Commercial**
- Charter School
- DC Circulator
- DC Agency
- Community Gardens
- Green Site
- Grocery Store
- Heritage Trail
- Leaf Boundary
- Metro Rush Plus
- Notary Public
- **Owner Point**
- Office of Aging - Lead Agency Location
- Primary Care Center
- Public School
- **Public School - Closed**
- Public School Garden
- Residential Parking Permits
- **Sale Point**
- Speed Camera
- Wireless Hot Spot
- Zip Car



Next Data Load



- **Business Data**
- **Camera**
- **Embassy**
- **Leaf Boundary**
- **Street Centerline**
- **Street Segment**
- **Street Light**
- **Street Tree**



Training Report

Eva Stern





Training Report



- **Summary of training for FY 2012**
 - **WDA GIS classes**
 - **Advanced Training**
- **What's coming in FY 2013**
- **ArcGIS Online Subcommittee**



FY 2012



- Overview class – 77 Students
- Google (Earth) DC – 71 Students
- ArcGIS – 28 Students
- Special classes (CFSA & DOES) - 9 students
- Advanced Training – 13 students



FY 2013



- 4 WDA Classes completed
- Upcoming WDA Classes:
 - Google Earth DC, December 12 and January
 - Overview, January
 - ArcGIS, January 23-25
- ArcGIS 10.1 training will be added later in FY13



ArcGIS Online Subcommittee



- 2 Meetings
- Members from OCTO, DDOT, OP, MPD, DPW, FEMS, OCFO, Private Sector
- Topics of Discussion
 - Data and map management
 - Administration roles
 - AGO on agency sites
 - Risk management
- Employee training late January



Agency Presentation
David Koehler (DPW)
Leaf Collection





Leaf Collection Tracking



The Evolution of Tracking Leaf Collection at DPW

- Paper Maps and Colored Pencils
- GIS - Daily Entry of Collection Data into Street Centerline Attributes based on Maps
- Internet application for citizens to enter address and get information about the collection operations in their vicinity
- Field data entry



Seasonal Leaf Collection





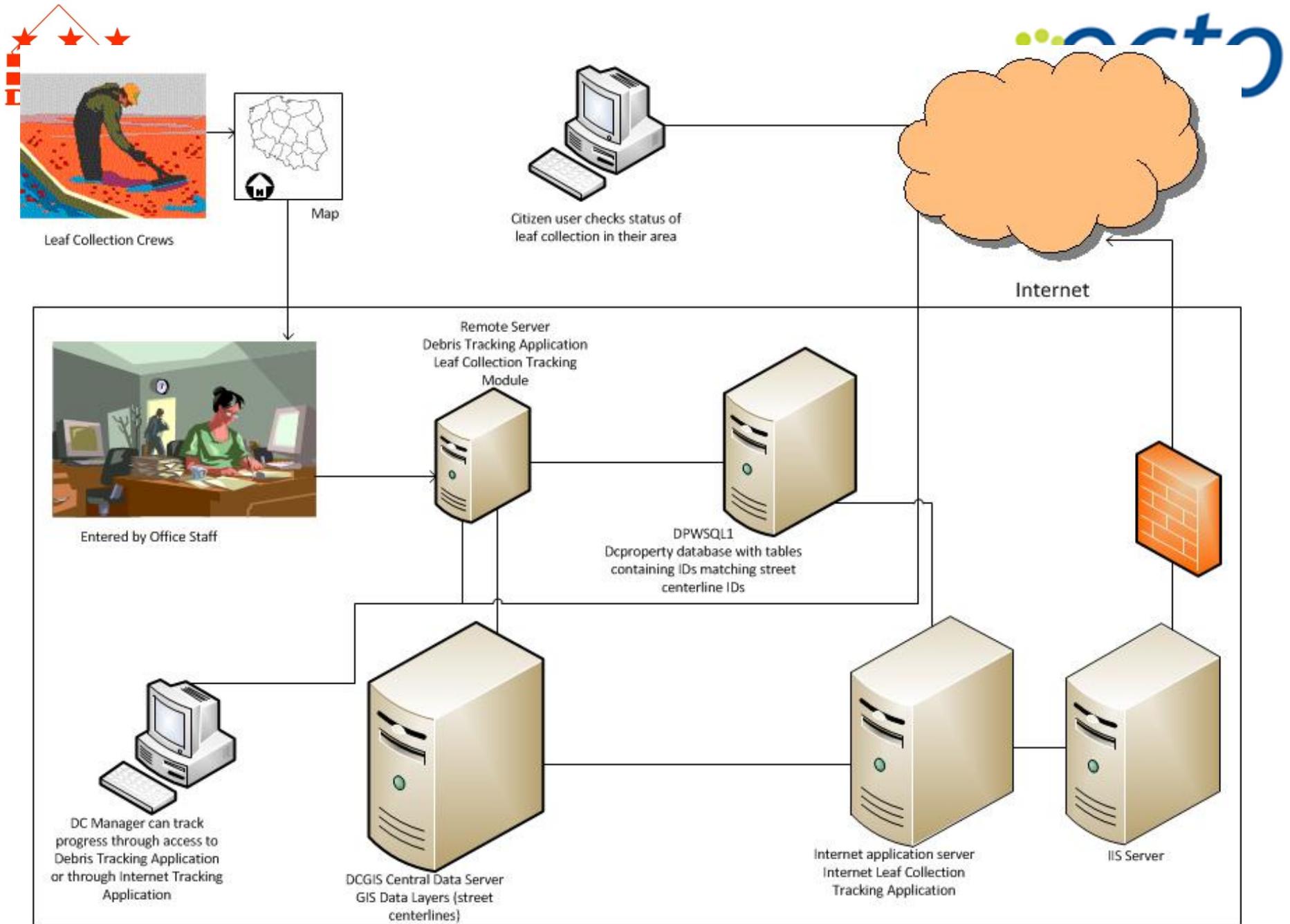
Leaf Season Brochure

WARD 3	WARD 4	WARD 5
<p>Area A West side of Nebraska Avenue, Loughboro Road and Chain Bridge Road, NW</p> <p>Rake Leaves Out By Sunday: For Collection From: November 4 November 5 to 17 December 2 December 3 to 15 December 30 December 31 to January 5</p> <p>Area B East side of Nebraska Avenue, Loughboro Road and Chain Bridge Road, NW</p> <p>Rake Leaves Out By Sunday: For Collection From: November 18 November 19 to December 1 December 16 December 17 to December 29 January 6 January 7 to 12</p>	<p>Area A West side of Georgia Avenue, NW</p> <p>Rake Leaves Out By Sunday: For Collection From: November 4 November 5 to 17 December 2 December 3 to 15 December 30 December 31 to January 5</p> <p>Area B East side of Georgia Avenue, NW</p> <p>Rake Leaves Out By Sunday: For Collection From: November 18 November 19 to December 1 December 16 December 17 to December 29 January 6 January 7 to 12</p>	<p>Area A: North side of Morris Street, NE</p> <p>Rake Leaves: Out By Sunday: For Collection From: November 4 November 5 to 17 December 2 December 10 to 22</p> <p>Area B: South side of Morris Street, NE to North side of New York Avenue, NE</p> <p>Rake Leaves: Out By Sunday: For Collection From: November 18 November 19 to December 1 December 2 December 24 to January 5</p> <p>Area C: South side of New York Avenue, NE</p> <p>Rake Leaves: Out By Sunday: For Collection From: December 2 December 3 to December 8 January 6 January 7 to January 12</p>
WARD 6	WARD 7	WARD 8
<p>Area A North side of East Capitol Street, NE</p> <p>Rake Leaves Out By Sunday: For Collection From: November 4 November 5 to 17 December 2 December 3 to 15</p> <p>Area B South side of East Capitol Street, SE</p> <p>Rake Leaves Out By Sunday: For Collection From: November 18 November 19 to December 1 December 16 December 17 to December 29</p>	<p>Area A North side of East Capitol Street, NE</p> <p>Rake Leaves Out By Sunday: For Collection From: November 4 November 5 to 17 December 2 December 3 to 15</p> <p>Area B South side of East Capitol Street, SE</p> <p>Rake Leaves Out By Sunday: For Collection From: November 18 November 19 to December 1 December 16 December 17 to December 29</p>	<p>Area A North side of Morris Street and Mississippi Avenue, SE</p> <p>Rake Leaves Out By Sunday: For Collection From: November 4 November 5 to 17 December 2 December 3 to 15</p> <p>Area B South side of Morris Street and Mississippi Avenue, SE</p> <p>Rake Leaves Out By Sunday: For Collection From: November 18 November 19 to December 1 December 16 December 17 to December 29</p>

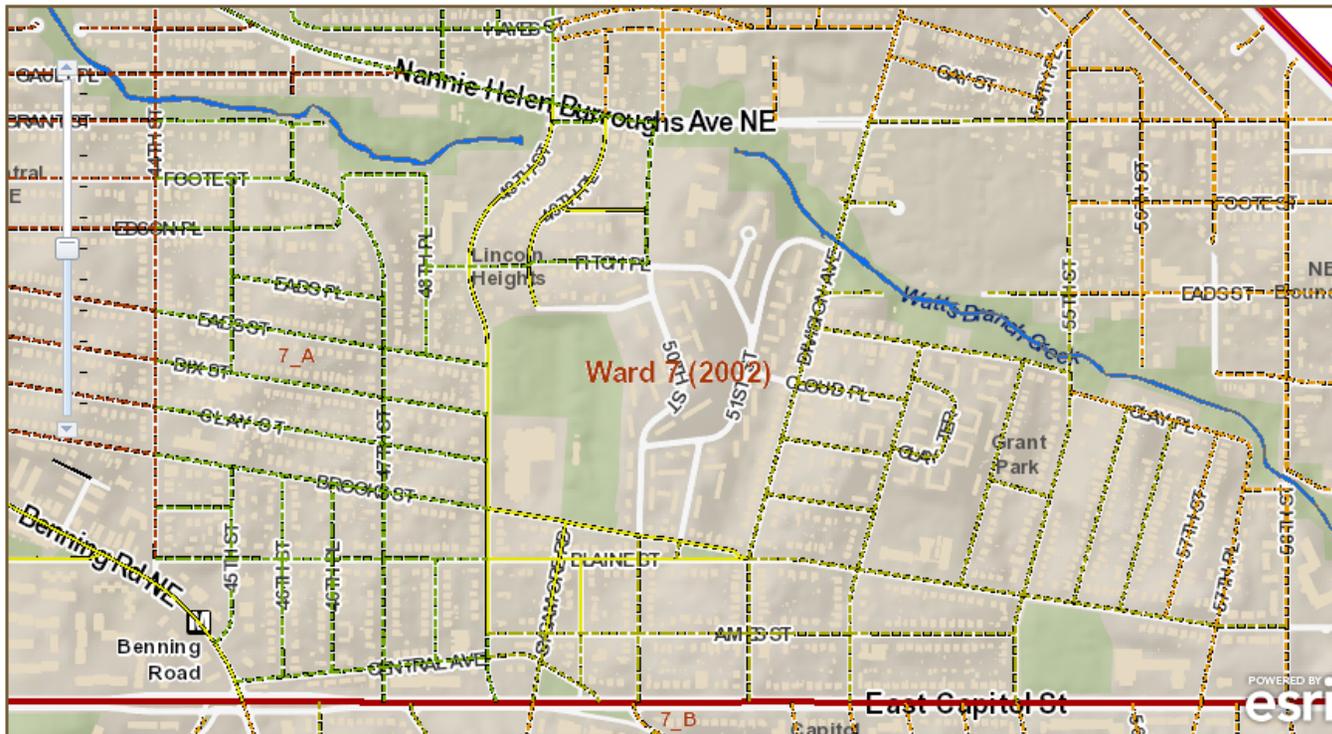


Tracking Progress





Click street features, then click "update street" button to change completion date and pass type.



Map Notes

Click the Notes icon - then click location on map to add new map note.

notes



notes

Legend

Toggle LayerList

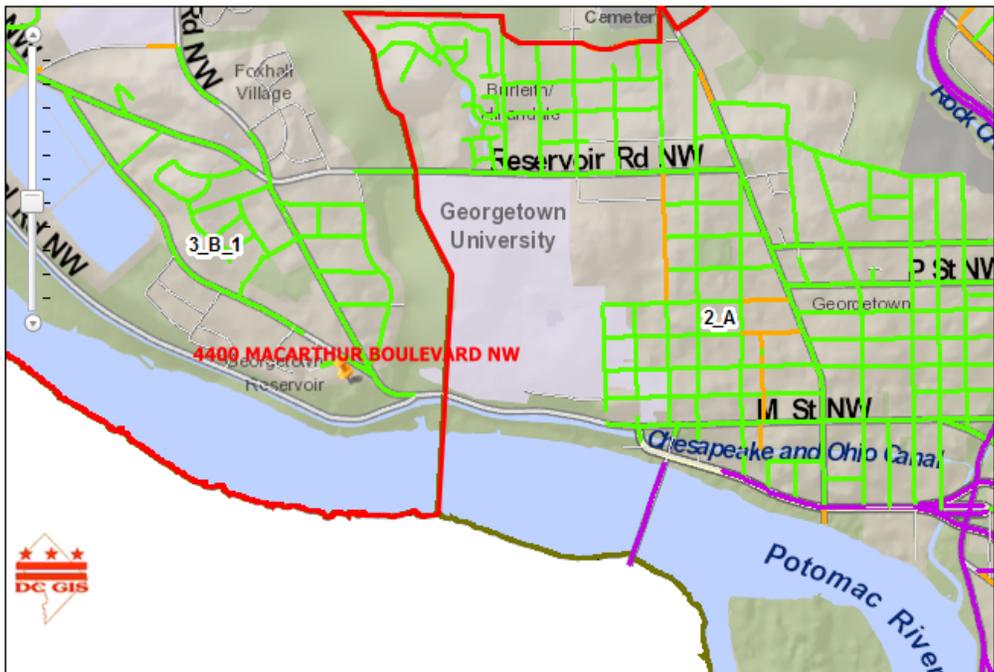
Choose a Leaf Zone
 feature(s) selected.

 Completion date:

Leaf Collection

Status map as of 03/15/11

Zoom In | Zoom Out | Full Extent | Pan



Pass 1: — Pass 2: — Pass 3: — No Collection: —

Please note: The scheduled start date and the scheduled finish date are based on the schedule for the entire leaf collection area. Within each leaf collection area are streets where there will be no leaf collection by city crews (e.g. highways, federally maintained roads in national parks, private drives, and highly urbanized areas where a lack of trees and high level of traffic make leaf collection unnecessary and/or too disruptive). Those streets will be indicated in purple. For addresses along purple colored streets, please disregard the scheduled start and scheduled finish dates.

Search Criteria

1. Enter part or all of any address in the District of Columbia (example: 441 4th Street NW):

4400 MacArthur bl

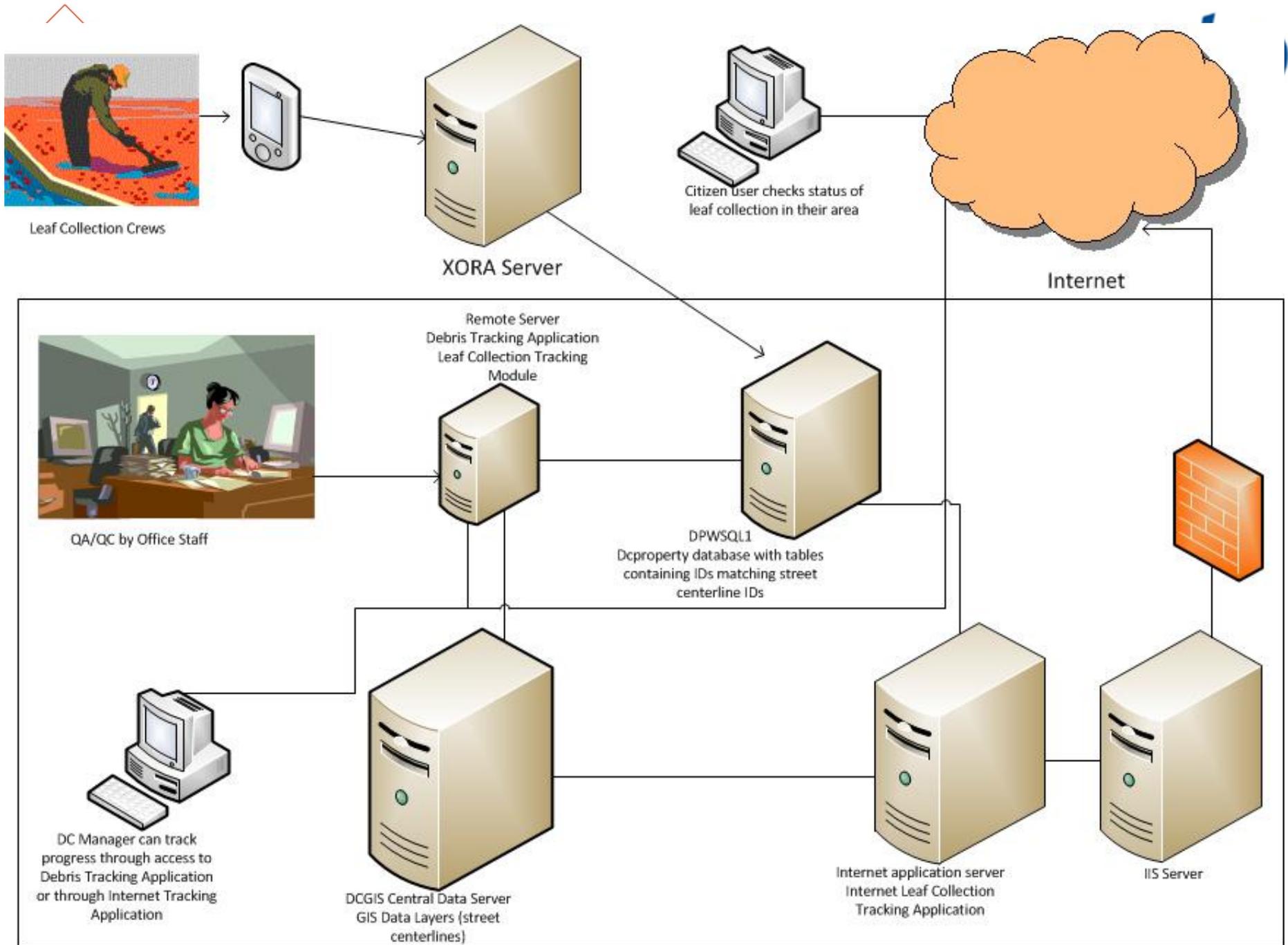
2. Select the matching address from the list below (Note: If no address is found, please try entering another address):

- 4400 BLAINE STREET NE
- 4400 MACARTHUR BOULEVARD NW

Search

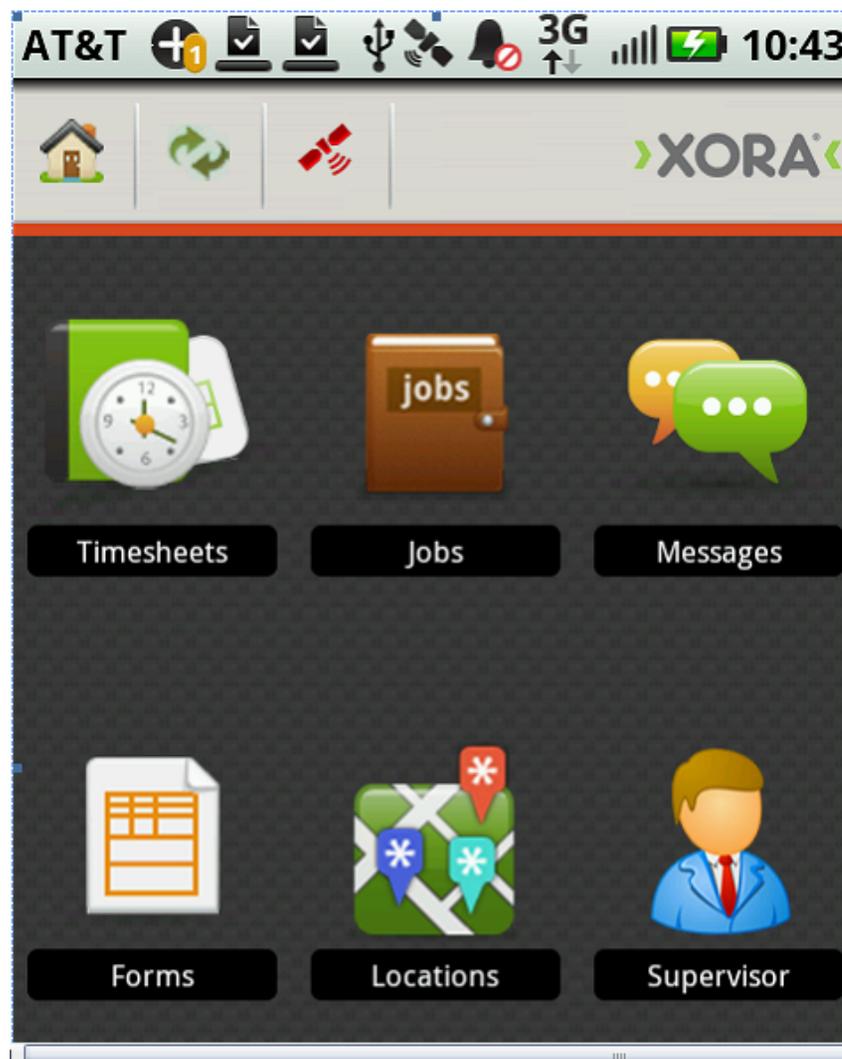
Your address is in the leaf collection area: 3_B_1

Pass	Scheduled Start Date	Scheduled Finish Date	Actual Finish Date
1	11/22/10	12/04/10	N/A
2	12/20/10	01/01/10	N/A
3	01/10/11	01/15/11	N/A





XORA is a cell phone application development environment





XORA Cell Phone Application



Data Collected:

- 100 Blocks
- Street Name
- Street Type
- Quadrant
- Date

Refresh in 14:40 minute(s)
[Refresh Now](#)

Jobs List

Toolbar

- [Jobs List](#)
- [Jobs Map](#)
- [Availability Calendar](#)
- [Create Job](#)
- [Delete Job](#)
- [Reassign Job](#)
- [Upload Jobs](#)

Date Filter
 Start: 08/11/2011 12:00 AM
 End: 08/17/2011 11:59 PM

Group Filter

Display Filter

Search

For Jobs

[Search](#)

Did You Know...

The job map show you location of both the job and worker in the area?

<input type="checkbox"/>	Source	Reference Number	Name	Worker	Scheduled Start	Status	Location
<input type="checkbox"/>		1234	1234	David 2024388614	08/08/2011 12:00 AM GMT	Completed	1842 Lamont Street, Nw Washington Dc, DC
<input type="checkbox"/>		123456	area1a	David 2024388614	08/09/2011 11:11 AM EDT	Active (Complete Pass 2)	
<input type="checkbox"/>		2345	2345	David 2024388614	08/10/2011 03:00 PM EDT	Retrieved	
<input type="checkbox"/>		23456	23456	Toni Quick	08/10/2011 03:15 PM EDT	Assigned	
<input type="checkbox"/>		3456	3456	David 2024388614	08/10/2011 03:15 PM EDT	Completed	
<input type="checkbox"/>		12341	12341	David 2024388614	08/12/2011 08:45 AM EDT	Completed	
<input type="checkbox"/>		2222	2222	David 2024388614	08/12/2011 10:30 AM EDT	Retrieved	
<input type="checkbox"/>		5123	5123	David 2024388614	08/12/2011 10:45 AM EDT	Active (Completed Pass 1)	
<input type="checkbox"/>		4123	4123	David 2024388614	08/12/2011 10:45 AM EDT	Retrieved	
<input type="checkbox"/>		23451	23451	David 2024388614	08/15/2011 11:15 AM EDT	Active (Completed Pass 1)	
<input type="checkbox"/>		4000	4000	David 2024388614	08/15/2011 11:30 AM EDT	Active (Completed Pass 1)	
<input type="checkbox"/>		9876	9876	David 2024388614	08/15/2011 12:15 PM EDT	Active (Completed Pass 1)	
<input type="checkbox"/>		011	Leaf Removal	David 2024388614	08/15/2011 03:45 PM EDT	Active (Completed Pass 1)	Belmont Washington, DC



Refresh in 6:10 minute(s)
[Refresh Now](#)

[Jobs List](#)
23451

Toolbar

- Job Details
- Job Map
- Job Activity Log**
- Job Reports

Date Filter
Start: 08/11/2011 12:00 AM
End: 08/17/2011 11:59 PM

Group Filter
Display Filter

Action	Worker	Date/Time	Location
Completed Pass 1			
Area5A			
StreetName 21ST			
StreetType ST			
Block 100			
Quadrant NW	David 2024388614	08/23/2011 01:56 PM EDT	1408 U St Nw washington D.c., DC 20009
Date 22-Aug-2011			
Pass1 Complete			
Pass2 Incomplete			
Pass3 Incomplete			

Search

For Jobs

Search

Did You Know...

You can search worker, locations and jobs?

The search function allows you to quickly find worker, jobs and locations by their name. [Click Here](#) to learn more.



Getting Data from XORA Server to DPW Server



- XORA provides an API with XML WSDLs
- Scripts can be Written to Pull Data from XORA and Write to Feature Service in Dcproperty Database
- An Approval script is run to update the Map Service used by the Public Application



Cell Phone Data Entry – Job 1AP1

100 Block(s)
Street name
Street type
Quadrant
Date of completion

1 Action

4100, 4200, 4300, 4400
MacArthur
Blvd
NW
09/14/2011



4600
W
St
NW
09/14/2011

3700, 3800
Reservoir
Rd
NW
09/14/2011

3300, 3400, 3500
Prospect
St
NW
09/14/2011

Wireless Data
Transfer

XORA Server



Web Service
Calls

**DCPROPERTY
Database on DPWSQL1**

Xora_in Table

Block	Street name	Street Type	Quadrant	Completion Date	Block Address	Job ID
4100	MacArthur	Blvd	NW	09/14/2011	4100 MacArthur Blvd NW	1AP1
4200	MacArthur	Blvd	NW	09/14/2011	4200 MacArthur Blvd NW	1AP1
4300	MacArthur	Blvd	NW	09/14/2011	4300 MacArthur Blvd NW	1AP1
4400	MacArthur	Blvd	NW	09/14/2011	4400 MacArthur Blvd NW	1AP1
4600	W	St	NW	09/14/2011	4600 W St NW	1AP1
3700	Reservoir	Rd	NW	09/14/2011	3700 Reservoir Rd NW	1AP1
3800	Reservoir	Rd	NW	09/14/2011	3800 Reservoir Rd NW	1AP1
3300	Prospect	St	NW	09/14/2011	3300 Prospect St NW	1AP1
3400	Prospect	St	NW	09/14/2011	3400 Prospect St NW	1AP1
3500	Prospect	St	NW	09/14/2011	3500 Prospect St NW	1AP1



DCPROPERTY Database

Xora_in Table

Block	Street name	Street Type	Quadrant	Completion Date	Block Address	Job ID
4100	MacArthur	Blvd	NW	09/14/2011	4100 MacArthur Blvd NW	1AP1
4200	MacArthur	Blvd	NW	09/14/2011	4200 MacArthur Blvd NW	1AP1
4300	MacArthur	Blvd	NW	09/14/2011	4300 MacArthur Blvd NW	1AP1
4400	MacArthur	Blvd	NW	09/14/2011	4400 MacArthur Blvd NW	1AP1
4600	W	St	NW	09/14/2011	4600 W St NW	1AP1
3700	Reservoir	Rd	NW	09/14/2011	3700 Reservoir Rd NW	1AP1
3800	Reservoir	Rd	NW	09/14/2011	3800 Reservoir Rd NW	1AP1
3300	Prospect	St	NW	09/14/2011	3300 Prospect St NW	1AP1
3400	Prospect	St	NW	09/14/2011	3400 Prospect St NW	1AP1
3500	Prospect	St	NW	09/14/2011	3500 Prospect St NW	1AP1

P number in Job ID determines which CompleteDate field is populated

One to Many

Leafblock_lookup Table

Block Address	Roadwayseg_ID
4300 MacArthur Blvd NW	13612
4300 MacArthur Blvd NW	12652
4400 MacArthur Blvd NW	14129
4400 MacArthur Blvd NW	21035
4400 MacArthur Blvd NW	6593
4400 MacArthur Blvd NW	10227
4400 MacArthur Blvd NW	20689
4400 MacArthur Blvd NW	18343
4400 MacArthur Blvd NW	21593
4400 MacArthur Blvd NW	11147
4600 W St NW	4832
3800 Reservoir Rd NW	21525
3800 Reservoir Rd NW	14114
3800 Reservoir Rd NW	21212
3300 Prospect St NW	20593
3300 Prospect St NW	18469
3400 Prospect St NW	12852
3500 Prospect St NW	10734

One to One

Leaf_st Event Table

Roadwayseg	Completedate1	Completedate2	Completedate3
13612	09/14/2011		
12652	09/14/2011		
14129	09/14/2011		
21035	09/14/2011		
6593	09/14/2011		
10227	09/14/2011		
20689	09/14/2011		
18343	09/14/2011		
21593	09/14/2011		
11147	09/14/2011		
4832	09/14/2011		
21525	09/14/2011		
14114	09/14/2011		
21212	09/14/2011		
20593	09/14/2011		
18469	09/14/2011		
12852	09/14/2011		
10734	09/14/2011		



Leaf Collection Tracking SQLServer Database



- Used by Internal Leaf Collection Editing Application
- Used by Public Leaf Collection Internet Application
- Collection Status Matched to Street Segments Through Roadwayseg_ID
- Lookup Table Needed to Match Street Block Data Collected Through XORA to the Status Table used by the Applications



Creation of Forms and Drop Down Menus

Form Setup - Windows Internet Explorer
XORA Edit Form Area1A

Steps to Modify an Existing Form

1. Form Setup
2. Fields Setup
3. Deploy Setup

Name: Area1A
Display Name: Area 1-A
Description: Leaf Collection Area 1 A

Buttons: Cancel, Back, Next, Save & Close

* Required



Form Setup - Windows Internet Explorer
XORA Edit Form Area1A

Steps to Modify an Existing Form

1. Form Setup
2. Fields Setup
3. Deploy Setup

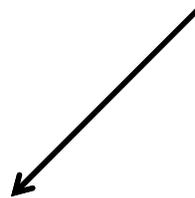
Fields List:
Street name [StreetName, 50]
Street Type [StreetType, 50]
Block [Block, 190]
Quadrant [Quadrant, 50]
Date Complete [Date, 10]
Pass 1 [Pass1, 50]
Pass 2 [Pass2, 50]
Pass 3 [Pass3, 50]

New Field Delete Field

Field Name:
Label:
Field Type: Text
Field Length: 50
Required:
Default value:

Buttons: Cancel, Back, Next, Save & Close

* Required



Form Setup - Windows Internet Explorer
XORA Edit Form Area1A

Steps to Modify an Existing Form

1. Form Setup
2. Fields Setup
3. Deploy Setup

Fields List:
Street name [StreetName, 50]
Street Type [StreetType, 50]
Block [Block, 190]
Quadrant [Quadrant, 50]
Date Complete [Date, 10]
Pass 1 [Pass1, 50]
Pass 2 [Pass2, 50]
Pass 3 [Pass3, 50]

New Field Delete Field

Field Name: Quadrant
Label: Quadrant
Field Type: Select List
Required:
Choices: NE,NW,SE,SW
i.e., Choice 1,Choice 2,Choice 3
Default value:

Buttons: Cancel, Back, Next, Save & Close

* Required



DC GISSC Adjourned
Thank you