

Introduction

Hunter GIS has developed a solution to provide access to the Municipal DataWorks (MDW) database via mobile devices. Based on MDW's Web Services, the solution enables users to view and update asset information in the field through the mobile device's web browser. There is no need to synchronize a subset of the data, as the solution provides real-time access to the centralized database.

HGIS MDW Mobile

Search Go Back

Asset Types

Asset Name

List Assets Add Asset

ID	Name	Asset Type	Material	Status	Location
008150	Agar St	Road Section	High Class Bituminous	Active	
008153	Agar St	Road Section	High Class Bituminous	Active	
008151	Agar	Road Section	High Class Bituminous	Active	

Select asset type and search by street name

HGIS MDW Mobile

View Asset Go Back

Location Add

GPS Coordinate X: -79.6759, Y: 43.5347, Z: 0.0000 Edit

GPS Coordinate X: 606982.9600, Y: 4821041.7500, Z: Edit

Identification Edit

ID 008150

Name Agar St

GISId 008150

Type RD - Road Section

Material HCB - High Class Bituminous

Status ACTV - Active

Dimensions Edit

Design Concrete Depth 0.000 mm

Design Width 20.000 m

Desired Right of Way Width 20.000 m

Lane Kilometre 1.000 km

Length 0.750 km

Right of Way Width 18.000 m

Roadway Width 12.000 m

Surface Width 8.500 m

Surroundings Edit

Backfill Type GRNB - Granular B

Bedding GRB - Granular B

Drainage Condition SS - Storm Sewer

Roadside Environment Urb - Urban

Terrain and Soil Type NF - Non-Rocky, Flat

Road Section Edit

Average Operating Speed 50

Boundary Road N - Not a Boundary Road

Design Class AAA

Existing Road Class L/R - Local Residential

Load Restrictions SA - Spring Restriction, Type "A" (Half Load)

Maintenance Class 5

Conditions and Performance (CAPS) Add

Rating	Value	Date	Action
Drainage Rating	15.000	2003-01-01	Edit
Time of Need Drainage	4.000	2003-01-01	Edit
Time of Need Geometrics	4.000	2003-01-01	Edit
Maintenance Demand Rating	10.000	2003-01-01	Edit
Pavement Condition Index	99.186	2001-01-01	Edit
Pavement Condition Index	100.000	2003-01-01	Edit
Pavement Condition Index	94.643	2007-06-05	Edit
Road Sufficiency Index	79.500	2009-04-21	Edit
Time of Need Structural Adequacy	4.000	2003-01-01	Edit
Time of Need Surface Type	4.000	2003-01-01	Edit
Structural Adequacy Rating	20.000	2003-01-01	Edit
Surface Condition Rating	10.000	2003-01-01	Edit

Lifecycle Events Add Insp

Event	Date	Action
Installation	1979-01-01	Edit
Resurfacing - single lift	2002-01-01	Edit
Reconstruction	1979-07-02	Edit
Road Inspection	2001-01-01	Edit
Road Inspection	2007-06-05	Edit
Road Inspection	2009-04-21	Edit
Estimated Traffic Count	2000-01-01	Edit

View entire asset record

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Edit Dimensions Go Back View Asset Search

Dimension Save

Area m2

Base Depth mm

Design Concrete Depth 0.000 mm

Count items

Design Width 20.000 m

Minimum Design Width m

Diameter m

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Edit Surroundings Go Back View Asset Search

Surroundings Save

Adjacent Bridge NO.

Backfill Type Granular B

Bedding Granular B

Catchment Area Crusher Run Limestone

Concrete Base Earth

Crossing Type Granular A

Drainage Condition Granular Bed

Granular C

Granular Surround

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Edit Attributes Go Back View Asset Search

Road Section Save

Average Operating Speed 50

Boundary Road Not a Boundary Road

Classification

Design Class AAA

Existing Road Class Local Residential

4000 AADT and over

400-999 AADT

50-199 AADT

Alleyways

Arterial

Collector Commercial or Industrial

Collector Residential

Local Commercial

Local Residential

Rural Expressway

Number of Lanes

Old Section 008510

Scrolled screen captures combined for graphic presentation.

MDW Mobile Access

HGIS MDW Mobile 3G

Edit LCE

Go Back View Asset Search

Lifecycle Event Information Save

Event Type
 Event Date
 Completed By

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Road Inspection

Go Back View Asset Search

Road Inspection Information Next

Event Date June 9 2009

Evaluated By

Road Name Agar St

Section Length 0.750

Maintenance Class 5

Functional Class Local

Section # 008150

HGIS MDW Mobile 3G

Edit CAP

Go Back View Asset Search

Condition and Performance (CAP) Save

Index Type
 Condition Index
 Condition Date

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Calculate PCI

Go Back View Asset Search

Pavement Condition Index Save

Ride Comfort Rating 06 - Fair

Pavement		Severity of Distress	Density of Distress	
Surface Defects	Ravelling & Loss of Aggregate Surface	Slight	Few	
	Flushing			
Surface Deformations	Rippling and Shoving			
	Wheel Track Rutting	Moderate	Intermittent	
	Distortion			
Cracking	Longitudinal Wheel Track	Single and Multiple		
		Alligator		
	Centerline	Single and Multiple	Moderate	Intermittent
		Alligator		
	Pavement Edge	Single and Multiple		
		Alligator		
Transverse	Single and Multiple			
Longitudinal - Meander or Mid-lane		Very Slight	Frequent	
Random				

DMI = 9.159

PCI = 79.016

Scrolled screen captures combined for graphic presentation.