

# The Exit Sign: Maintaining Maryland's Roadway Facilities

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**KITTELSON & ASSOCIATES, INC.**  
TRANSPORTATION ENGINEERING/PLANNING

# Overview

- › MDTA Needs and Responsibilities
- › Purpose of the Project
- › Methodology
- › The Product
- › Further Developments
- › Questions

# What is the MDTA?

- › The Maryland Transportation Authority



- › Maintains and operates all tolled facilities in Maryland
  - *Maintains roadway assets*
  - *Prepares and enacts emergency response plans*
  - *Maintains signs and sign structures on the roadways*

# Purpose of the Project

- › Create a product that can:
  - *Manage the roadway sign assets of the Authority*
  - *Maintain roadway signs and structures*
  - *Maintain dynamic databases of information*
- › Who is this product for?
  - *Office of Engineering and Construction*
  - *Maintenance and Operations*
  - *MDTA Police*

# Methodology

- › Field inventory of signs
- › Maximo data and structural identification numbers
- › Excel sheet summarizing field inventory
- › GIS
- › Basic HTML and batch programming
- › Google Earth

# Methodology

**Support information**

Support Type (Sele

Wood Supports

Size of Supp

4 x

Drill

Steel Supports

Size of Supp

W6x

W10

d (in)

Erec

Square Perforat

Number of Support

For L1 - Does the s

For L1 - Distance fr

For L1 - Distance fr

For L2 - Does the s

For L2 - Distance fr

For L2 - Distance fr

For L3 - Does the s

For L3 - Distance fr

For L3 - Distance fr

Support Spacing

Left edge of Sign to

L2 to L3 (ft)

L1, L2, L3 to Right E

Does the sign have

Distance from Grou

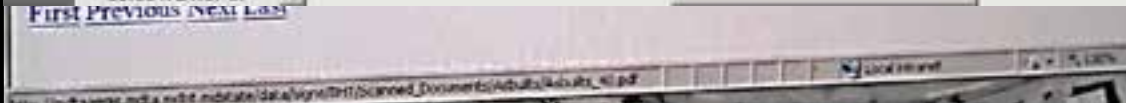
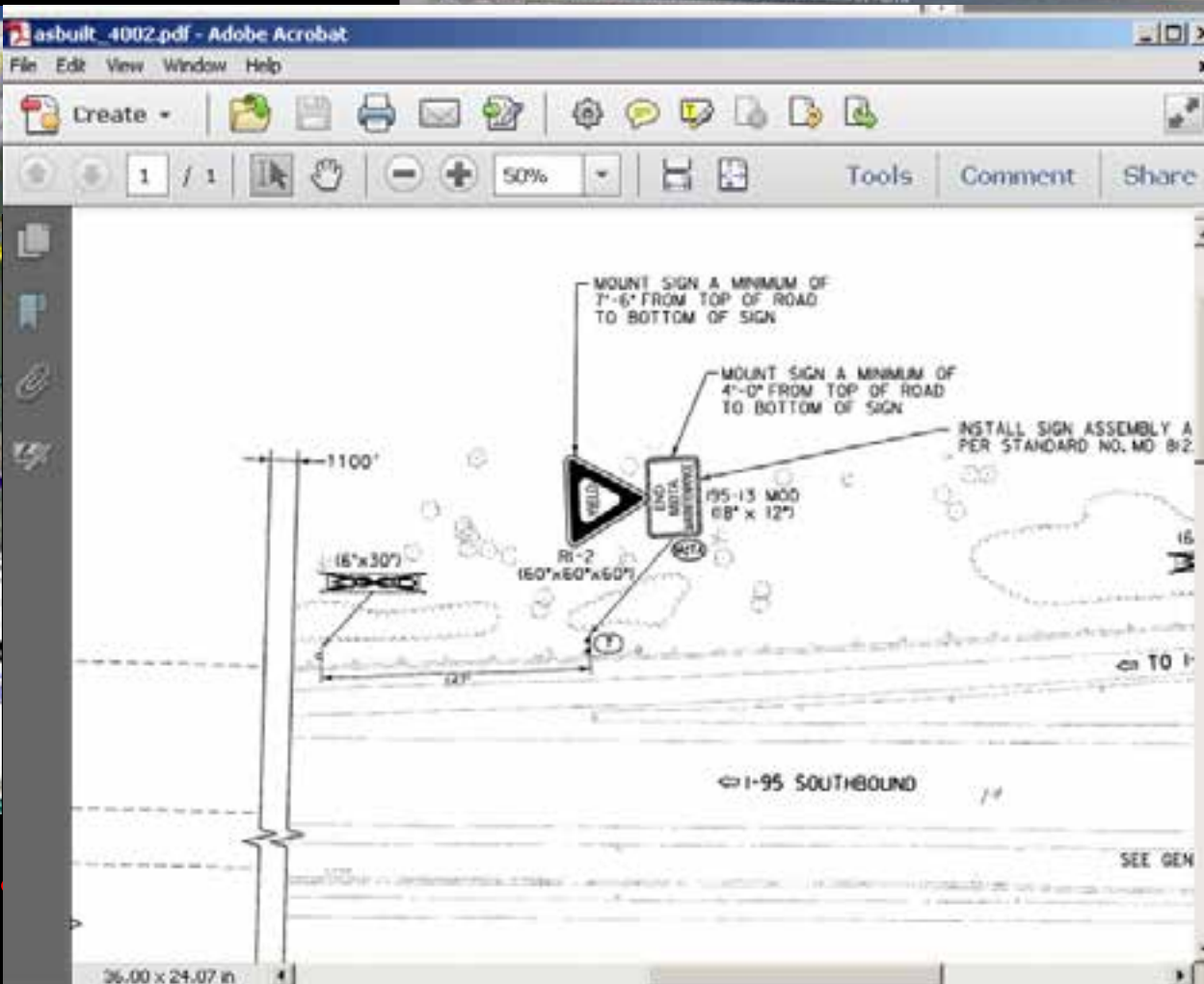
Total height of Angl

Width (in)

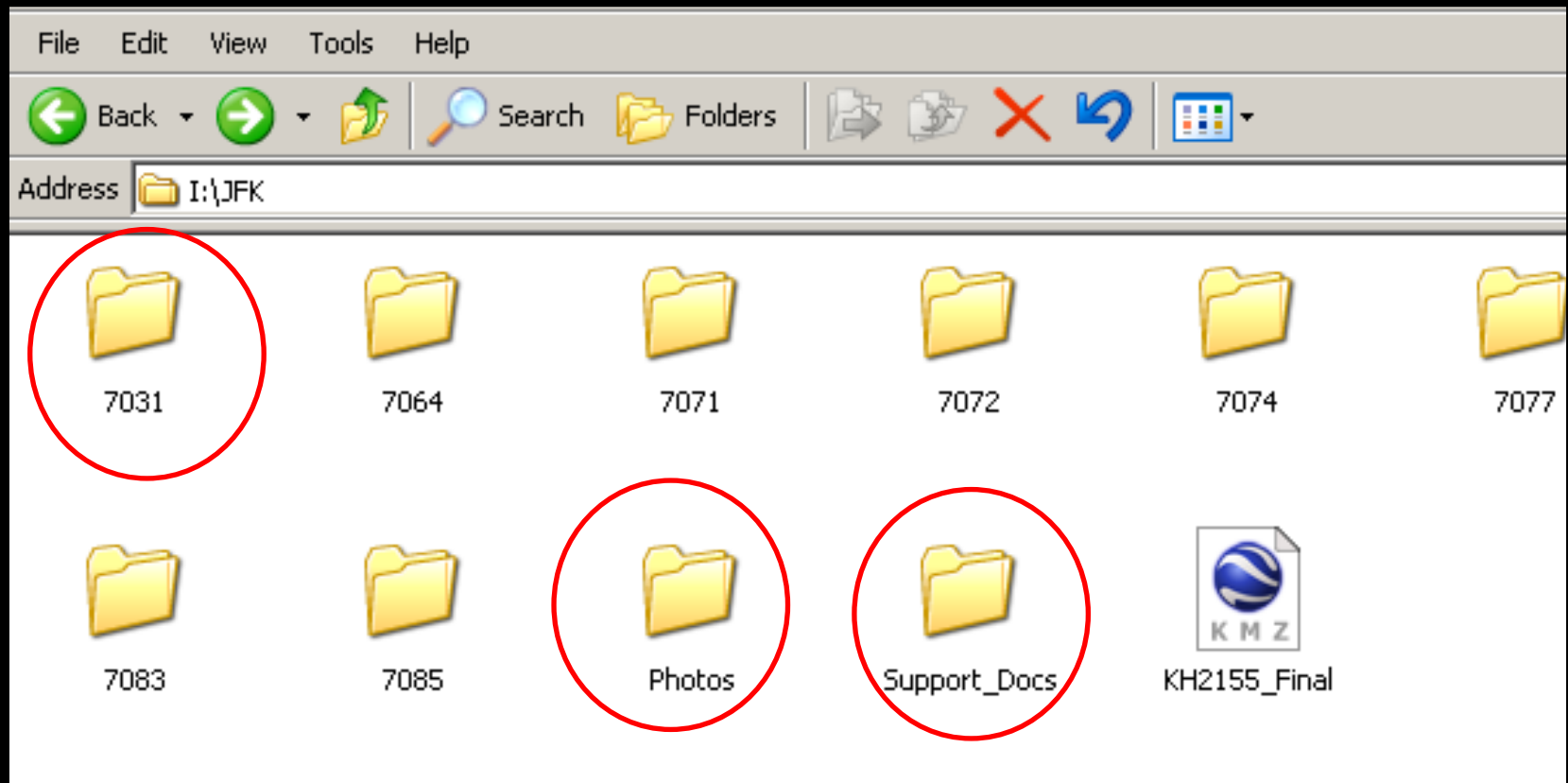
Marker	E	NC
	N	573
	N	573
	N	574
	N	587
CONNELL ST	S	588
L ST	S	588
	N	588
	N	589
ST	S	593
	N	593
ST	S	593
US 40	N	596
	N	564
	S	562
APSCO AVE	N	572
APSCO AVE	N	572
HELL RD	N	572
	N	573

28	2040	3	530	FRANKFURT RD
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# Methodology



# Methodology





# The Product



13+--+1.MOV

## Further Developments in Progress

- › Improve use of Maximo and Structural Identification Number
- › Streamline data needs for more effective data processing
- › Active email requests for repair and maintenance
- › Faster data update maintenance

# Questions?

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