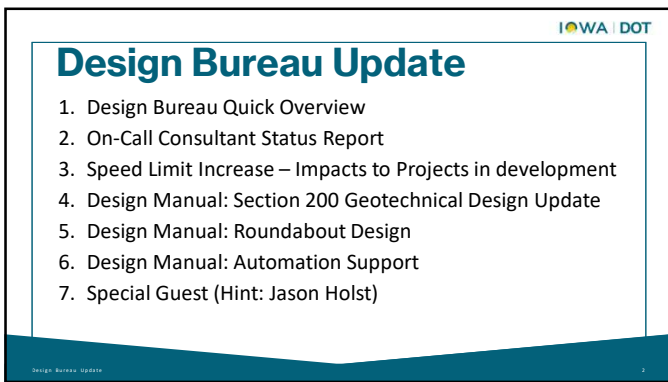
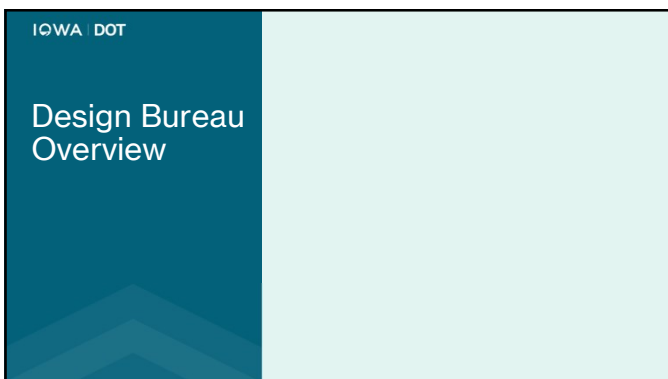








HIGHWAY DESIGN

HISTORY

1904: Iowa State Highway Commission in Ames.
1974: Iowa DOT formed.

HIGHWAY DESIGNERS

100+ EMPLOYEES IN OUR CENTRAL OFFICE
35+ EMPLOYEES IN SIX DISTRICT OFFICES

PROJECTS

5-Year Program:
165 Projects
\$1 Billion in construction dollars

FOCUS

High-quality designs
On time delivery
Collaboration
Investing wisely
Training
Safety

I-380 / Wright Brothers Blvd. Interchange

SAFE SYSTEM APPROACH

Fun Fact: Iowa DOT's central office is located on the Lincoln Highway, America's first coast-to-coast automobile route from New York City to San Francisco.

Lincoln Highway

IOWA DEPARTMENT OF TRANSPORTATION

IOWA DOT

3-Year On-Call Consultant Status Report

May 28, 2025

Engineering Surveying including Mobile Scanning Technology and Small Unmanned Aircraft:

Foth
Prairie Engineers
Snyder & Associates
WHKS
American Surveying & Engineering
MSA (alternate)
RW Engineering & Surveying (alternate)

December 11, 2025

Aerial Imagery and Airborne LiDAR:

TAC 2
NV5 (alternate)
GRW (alternate)

Design Review Update

February 13, 2026

Geotechnical Engineering Full Service

Terracon
Braun
HDR
HNTB
Olsson
Michael Baker
Alfred Benesch - (Alternate)

August 2026

Design Services:

HDR
WHKS
HR Green
Foth
Snyder
AECOM
HNTB
Stanley
LT Leon
Quigg

IOWA DOT

Design Review Update

IOWA DOT

Speed Limit Increase - Impacts to Projects in Development

Speed Limit Increase Implementation Plan

This guidance is provided to support decision making for highway improvement projects that are under development as of July 1, 2026, when the posted speed limit change enacted under Senate File 378 took effect. The statutory change increases the default speed limit to 60 mph on any roadway where the posted limit was not established through an engineering and traffic investigation. This change will primarily affect rural two-lane highways, with additional impacts on certain four lane divided and urban segments.

IOWA DOT

Design Review Update

Guidance

This guidance is for projects currently being developed with a 60-mph design speed.

- Projects that are in the pre-D2 (field exam event) development stage as of July 1, 2026, will, in nearly all cases, be changed to a 65-mph design speed.
- Projects that are in development past the D2 event as of July 1, 2026, will remain as designed and without modification based on the speed limit change.

Design Bureau Update

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Coming Soon:

Documentation addressing this matter.

Design Manual Updates.

Design Bureau Update

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Design Manual Section 200 Geotechnical Design Update

Chapter 200 - Geotechnical Design

- 200A - Overview of Geotechnical Design
 - 200A.1 Introduction
 - 200A.2 Project Classification
 - 200A.3 Geotechnical Consultant Services and Roles
- 200B - S Events
 - 200B.1 The S Event
 - 200B.2 The S1 Event
 - 200B.3 The S2 Event
 - 200B.4 The S3 Event
- 200C - Surface Investigation Methods
 - 200C.1 Subsurface Investigation Methods
- 200D - Laboratory Testing
 - 200D.1 Laboratory Testing

200E - Engineering Properties of Soil and Rock

- 200E.1 Engineering Properties of Soil and Rock

200F - Analysis, Design, and Treatment

- 200F.1 Design Methods
- 200F.2 Design Methods
- 200F.3 Design Methods
- 200F.4 Design Methods
- 200F.5 Design Methods
- 200F.6 Design Methods
- 200F.7 Design Methods
- 200F.8 Design Methods
- 200F.9 Design Methods
- 200F.10 Design Methods

200G - Construction Involvement

- 200G.1 Construction Involvement

200H - Emergency Relief Projects

- 200H.1 Emergency Relief Projects

200I - Appendix A - Consultant Geotechnical Work Requirements

- 200I.1 Appendix A - Consultant Geotechnical Work Requirements



Major Updates (ETA: January 2027)

- Remove references to the development of borrow plans.
- Updated S2 Event requirements to include identification of geotechnical hazards, recommendations for possible remediation types, limits and costs.
- All information contained in Appendix will be moved into the Subsurface Investigations section of the manual.
- The Supplemental Report of Structure Soundings form will not be required as part of the S4 Submittal if the information that is typically included on this form is already stated in a Geotechnical Evaluation Report.

Design Review Update
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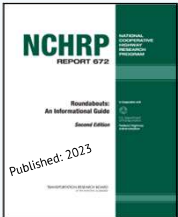


**Design Manual:
Additional
Roundabout
Design Guidance**

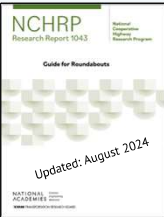
Section 6A-3
Based on 672 and 1043

ETA: September 2027

This will expand/modernize current guidance and provide a design methodology.



Published: 2023



Updated: August 2024

IOWA DOT

Design Manual Chapters on Software Automation

Chapter 20 - Project Automation Information - V8i	+
Chapter 21 - Automation Tool Instructions V8i	+
Chapter 22 - Microstation ORD Connect	+

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Comments:

- The current information in Chapters 20, 21 and 22 will all be moved to the Design Manual Archive very soon.
- An all-new Chapter 20 made up of 8 sections will begin to be published in 2026.
- Note: the E-File requirements are currently published in the Shell Letters submittal folder on ProjectWise. This will be part of the new Chapter 20 documentation.

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IOWA DOT

2027-2031 IOWA TRANSPORTATION IMPROVEMENT PROGRAM

Thank you

I greatly appreciate our partnerships in delivering the 5-Year Program.

"Alone we can do so little; together we can do so much." ~ Helen Keller

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IOWA DOT

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Design Review Update

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