



December 6, 2010

Alan Woodmansey, P.E.  
Great Falls and Billings Districts Operations Engineer  
Federal Highway Administration (FHWA)  
585 Shepard Way  
Helena MT 59602



Subject: Statewide Programmatic Categorical Exclusion for Pavement Preservation Projects  
CM 5218(3)  
ADA: 2<sup>nd</sup> Ave N. 37<sup>th</sup>-15<sup>th</sup>  
Control Number: 7373000

Dear Alan Woodmansey:

The MDT Environmental Services Bureau has reviewed the Preliminary Field Review/Scope of Work Report (PFR/SOW) for the subject project. Based on the completed Environmental Checklist for Pavement Preservation Projects (Checklist), we conclude that the Statewide Programmatic Categorical Exclusion for these types of projects would cover this project. For your information, I have attached a copy of the PFR/SOW (including the location map) and the signed Environmental Checklist.

If you have questions or concerns, please contact Eric Thunstrom at 444-7648. He will be pleased to assist you.

Sincerely,

Heidi Bruner, P.E.  
Environmental Services Bureau Engineering Section Supervisor

Attachments: Environmental Checklist, PFR/SOW Report

electronic copies with attachment (Checklist only, unless noted):

Michael P. Johnson	Great Falls District Administrator
Tom Martin, P.E.	Environmental Services Bureau Chief
Heidi Bruner, P.E.	Environmental Services Bureau Engineering Section Supervisor
Eric Thunstrom	Environmental Services Bureau Project Development Engineer
Paul Ferry, P.E.	Highways Engineer
Christie McOmber, P.E.	Great Falls District Projects Engineer
Kevin Christensen, P.E.	Construction Engineer
Suzy Price	Contract Plans Bureau Chief
David Jensen	Fiscal Programming Section Supervisor
Montana Legislative Branch	Environmental Quality Council (w/ PFR/SOW also)
File	Environmental Services Bureau

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(FOR PROJECTS WITH NO RIGHT-OF-WAY INVOLVEMENT)

Applicant cannot be authorized to proceed with the proposed work until ALL of the conditions of the checklist have been satisfied.

ENVIRONMENTAL CHECKLIST FOR PAVEMENT PRESERVATION PROJECTS (CRACK SEALING, SEAL & COVER, THIN OVERLAYS, MILL & FILL, PLANT MIX LEVELING, MILL OGFC, MICRO SURFACING, FOG SEAL)

Project No.: CM 5218(3) ID: UPN 7373000 Project Name: ADA: 2nd Ave N - 37th - 15th

Reference Post (Station) RP 0.0 to Reference Post (Station) RP 1.8

Applicants Name: Montana Department of Transportation Address: PO Box 1359, Great Falls, MT 59403-1359

Type of Proposed Pavement Preservation Activity: Work Type 620 ~ Pedestrian & Bicycle Facilities

IMPACTS ON THE PHYSICAL ENVIRONMENT (TO BE COMPLETED BY APPLICANT)

Table with 2 main columns: Impact Questions and [Y/N] There are Potential Impacts; or Item Requires Documentation, Evaluation, Mitigation Measures, and/or (a) Permit(s). Includes rows 1-7 with checkboxes and a 'MASTER FILE COPY' stamp.

8. Magnitude and significance of potential impacts: To be completed by applicant.

Checklist prepared by: Christie McOmber Applicant District Project Engineer Title December 11, 2007 Date

Approved by: [Signature] Environmental Services

ENVIRONMENTAL ENGINEERING SECTION SUPERVISOR Title

12/11/10 Date

(when items 1, 2, 3, 3a, 4, 4a, 4b, 5, 6, 6a, or 7 are checked "Yes")

- A. The applicant shall complete the checklist indicating a "Yes" or "No" for each item, except number 8 which may require a narrative response.
- B. When a "Yes" is indicated on any number of items 1 through 7, MDT must explain why and provide the appropriate documentation, evaluation, permit, and/or mitigation measures required to satisfy environmental concerns for the project. Use attachments if necessary.
- C. If the applicant checks "Yes" for any one item, the checklist and MDT's mitigation proposal, documentation, evaluation and/or permit shall be submitted to MDT Environmental Services. Contact Number 444-7228.
- D. When the applicant checks a "Yes" item, MDT cannot be authorized to proceed with the proposed work until Environmental Services reviews the information and signs the checklist.
- E. MDT will obtain all necessary permits or authorizations from other entities with jurisdiction prior to beginning the Pavement Preservation Activity.

**Montana's Wild and/or Scenic Rivers system as published by the U.S. DEPARTMENT OF AGRICULTURE (USDA), or the U.S. DEPARTMENT OF THE INTERIOR (USDoI)**

1. Middle Fork of the Flathead River (headwaters to South Fork of the Flathead River confluence)
2. North Fork of the Flathead River (Canadian Border to Middle Fork of the Flathead River confluence)
3. South Fork of the Flathead River (headwaters to Hungry Horse Reservoir)
4. Missouri River (Fort Benton to Charles M. Russell National Wildlife Refuge)



**Memorandum**

To: Distribution

From: Paul Ferry, P.E.  
 Highways Engineer

Date: November 22, 2010

Subject: ADA: 2nd Ave N. 37th – 15th  
 CM 5218(3)  
 UPN 7373000  
 Work Type: 620 – Pedestrian and Bicycle Facilities

Attached is the Preliminary Field Review Report/Scope of Work Report which was approved on November 22, 2010. We request that those on the distribution review this report and submit your concurrence within two weeks of the approval date.

Your comments and recommendations are also requested if you do not concur or concur subject to certain conditions. When all personnel on the distribution list have concurred, and the environmental documentation is approved, we will submit this report to the Preconstruction Engineer for approval.

I recommend approval:

Approved \_\_\_\_\_ Date \_\_\_\_\_

**Distribution:**

- |   |  |
|---|--|
| Michael Johnson, District Administrator         | Lynn Zanto, Rail, Transit, & Planning Division Administrator |
| Tom Martin, Environmental Services Bureau Chief | Jake Goettle, Construction Engineering Services Bureau       |
| Duane Williams, Traffic and Safety Engineer     | Matt Strizich, Materials Engineer                            |
| Rob Stapley, Right-of-Way Bureau Chief          | Jon Swartz, Maintenance Administrator                        |
| Paul Ferry, Highways Engineer                   |  |

**cc:**

- |  |  |
|--|--|
| Dave Jensen, Fiscal Programming Section Supervisor | Dave Dobbs, City of Great Falls, 2 Park Drive South, |
| Dustin Rouse, Road Design Area Engineer            | P.O. Box 5021, Great Falls, MT 59403                 |
| Damian Krings, Road Design Engineer                |  |

**e-copies:**

- |   |   |
|---|---|
| Jim Walther, Preconstruction Engineer               | Jason Sorenson, Engineering Cost Analyst          |
| Lesly Tribelhorn, Highways Design Engineer          | Jake Goettle, Construction Bureau – VA Engineer   |
| Mark Goodman, Hydraulics Engineer                   | Walt Scott, R/W Utilities Section Supervisor      |
| Kurt Marcoux, District Hydraulics Engineer          | David Hoerning, R/W Engineering Manager           |
| Bonnie Gundrum, Env. Res. Section Supervisor        | Greg Pizzini, Acquisition Manager                 |
| Paul Sturm, District Biologist                      | Joe Zody, R/W Access Management Section Manager   |
| Eric Thunstrom, G.F. District Environmental Eng.    | Paul Johnson, Project Analysis Bureau             |
| Danielle Bolan, Traffic Engineer                    | Susan Sillick, Research Section Supervisor        |
| Ivan Ulberg, G.F. District Traffic Project Engineer | Alice Flesch, ADA Coordinator                     |
| Pierre Jomini, Safety Management Engineer           | Mark Keeffe, Bicycle/Pedestrian Coordinator       |
| Jon Watson, Pavement Engineer                       | Steve Prinzing, District Preconstruction Engineer |
| Dan Hill, Pavement Design Engineer                  | Christie McOmer, District Projects Engineer       |
| Lee Grosch, District Geotechnical Manager           | Stan Kuntz, G.F. District Materials Lab           |
| Marty Beatty, Engineering Information Services      | Doug Wilmot, G.F. District Construction Engineer  |
| Paul Grant, Public Involvement Officer              | Jerilee Weibel, District R/W Supervisor           |
| Jean Riley, Planner                                 | James Combs, District Traffic Engineer            |
| Linda Cline, District R/W Design                    | Dave Hand, Great Falls District Maintenance Chief |
|   | Dennis Ghekiere, District Utility Agent           |



Montana Department of Transportation  
PO Box 201001  
Helena, MT 59620-1001

**Memorandum**

To: Paul Ferry, P.E.  
Highways Engineer

From: Christie McOmber, P.E.   
District Projects Engineer

Date: November 22, 2010

Subject: ADA: 2nd Ave N. 37<sup>th</sup> – 15<sup>th</sup>  
CM 5218(3)  
UPN 7373000  
Work Type: 620 – Pedestrian and Bicycle Facilities

Please approve the attached Preliminary Field Review Report/Scope of Work Report.

Approved For Paul Ferry by Lesly Tribelhorn Date November 22, 2010  
Paul Ferry, P.E.  
Highways Engineer

The same report is also being distributed under a separate cover as a Scope of Work Report for comments and approval recommendations.

cc (w/attach.):  
Damian Krings, Road Design Engineer  
Dave Dobbs, City of Great Falls, 2 Park Drive South,  
P.O. Box 5021, Great Falls, MT 59403  
Dustin Rouse, Road Design Area Engineer

## Preliminary Field Review/Scope of Work Report

CM 5218(3)

Project Manager: Christie McOmber

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### **Introduction**

This report was derived from information taken from the Preliminary Field Review conducted on June 30th, 2010, at the Great Falls District Office and via Go-to-Meeting, with the following individuals in attendance:

Mick Johnson	District Administrator	MDT – Great Falls
Steve Prinzing, P.E.	Engineering Services Supervisor	MDT – Great Falls
Dave Hand	Maintenance Chief	MDT – Great Falls
Christie McOmber, P.E.	Projects Engineer	MDT – Great Falls
Jeania Cereck	Design Supervisor	MDT – Great Falls
Linda Cline	Right-of-Way Design	MDT – Great Falls
Teresa Davidson	Design	MDT – Great Falls
Bryce Hove	Design	MDT – Great Falls
Ivan Ulberg	Assistant Traffic Engineer	MDT – Helena
Jim Dunbar	Design Supervisor	MDT – Helena
Charles Pierce	Design Supervisor	MDT – Helena
Dan Hill	Surfacing Design	MDT – Helena
Steve McEvoy	Surfacing Design	MDT – Helena
Jim Reardon	Public Works	City of Great Falls
Jason Handl	Engineer	City of Great Falls
Dave Dobbs	Engineer	City of Great Falls

### **Proposed Scope of Work**

The proposed project has been nominated to provide new curb ramps to be installed in conjunction with a maintenance-funded overlay. The project is funded through the MACI ADA/Curb Ramps Program I set aside in appendix B of the FFY 2009-2013 TIP.

The existing horizontal and vertical alignments will be used throughout the project. Failing storm drain inlets in the ramp areas will also be replaced.

### **Purpose and Need**

This section of roadway has not been improved in approximately 20 years and no further projects are planned at this time. Coordinating projects will allow improvements to the roadway that would otherwise not be fundable. The majority of corners don't have existing ramps or the existing ramps do not meet current standards. Some functional ADA ramps are in place and will need Detectable Warning Devices. Funds are not available for full sidewalk replacement. Future projects will address sidewalks in the area.

### **Project Location and Limits**

This portion of the project (UPN 7373000) is located in Cascade County on Urban Route U-5218, 2<sup>nd</sup> Ave. N., beginning at RP 1.8, 15<sup>th</sup> Street North (U-5217) as-built station 0+48.1 on F 224(6) and proceeds east for approximately 1.8 miles to RP 0.0, 37<sup>th</sup> Street North (U5242) as-built station 95+88.7 on F 224(6). As-built and new stationing proceeds from west to east while reference posts proceed from east to west.

The functional classification of this route is Minor Arterial from RP 0.0 to RP 1.8.

This portion of the project is located within the City Limits and Urban Area of Great Falls, Section 8, T. 20 N., R. 4 E., of Cascade County. Total length is 1.8 miles.

## Preliminary Field Review/Scope of Work Report

CM 5218(3)

Project Manager: Christie McOmber

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Adjacent projects include:

- CM 5210(24)  
ADA: 1<sup>st</sup> Ave N. 25<sup>th</sup> – 38<sup>th</sup>  
This project is a mill, overlay with ADA improvements and storm drain inlet replacement that will be completed under a combination of Great Falls District Maintenance and CM funding.
- UPP 5210(21)  
1<sup>st</sup> Ave N – 9<sup>th</sup> – 25<sup>th</sup> - GTF  
This project is a mill, overlay with digout areas, sidewalk and ADA upgrades and storm drain inlet replacement and has a proposed letting date of March 2011.

### Work Zone Safety and Mobility

At this time, Level 2 construction zone impacts are anticipated for this project as defined in the Work Zone Safety and Mobility (WZSM) guidance. The plans package will include a Transportation Management Plan (TMP) consisting mainly of a Traffic Control Plan (TCP) and a limited Public Information (PI) component. These issues are discussed in more detail under the Traffic Control and Public Involvement sections.

### Physical Characteristics

The following table identifies original as-built project location and year built:

Original As-Built Project ID	From RP	To RP	Year Built
City Construction *	0.982	1.794	1945

\* As-built project was not found.

The following table identifies reconstruct as-built project location and year built:

Reconstruct As-Built Project ID	From RP	To RP	Year Built
F 224(6) *	0.000	0.982	1957

\* - The Road Log differs from the as-built plans.

- The entire project is located in an Urban area with sidewalk curb and gutter throughout. From the beginning of the project, 2nd Ave. N. and the intersection of 15<sup>th</sup> St. N., as-built station 0+48.1 on F 224 (6) the roadway width is 34' from curb flow line to curb flow line and the typical consists of two 11.0' drive lanes and two 6.0' parking lanes.
- Route 5218, 2nd Ave N. is a one-way, two-lane Urban route. Traffic proceeds due west and traverses level terrain within the Great Falls City Limits. Stationing runs from west to east while reference posts run from east to west.

### Traffic Data

Since this project consists of ADA ramp and drop inlet replacement only no Traffic Data is required.

## Preliminary Field Review/Scope of Work Report

CM 5218(3)

Project Manager: Christie McOmber

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### Accident Analysis

Since this project consists of ADA ramp and drop inlet replacement only no Accident Data is required.

### Major Design Features

- a. **Design Speed.**  
The original design speed for this project is unavailable. The posted speed limit is 30 mph.
- b. **Horizontal Alignment.**  
The existing horizontal alignment is a tangent located on a one way street proceeding due west.
- c. **Vertical Alignment.**  
The existing vertical alignment is satisfactory for an ADA ramp improvement project.
- d. **Typical Sections and Surfacing.**  
The entire project is located in an urban area with sidewalk curb and gutter throughout. No changes to the existing typical sections are proposed.
- e. **Geotechnical Considerations.**  
No geotechnical concerns were identified.
- f. **Hydraulics – City of Great Falls.**  
New drop inlets are proposed where the existing deteriorating drop inlets located in the radius of the street corners would interfere with the new ADA ramps. MDT and the City of Great Falls will each cover 50% of the costs of replacing the drop inlets. The inlets will be designed and shown in the plans for this project but funding will come from the City of Great Falls and Great Falls maintenance. The City of Great Falls requested the use of a drop inlet design previously used on the 10<sup>th</sup> Ave S - 26<sup>th</sup> St to 20<sup>th</sup> St – GTF project. Agreements are underway. MDT's Hydraulics Section was consulted and approval was given on the design and installation of the drop inlets and connections to the existing storm drain. The new inlets will be field fit to connect to the existing manholes with collars. No utility impacts are expected as the replacement curb inlet fits near to the existing drop inlet.
- g. **Bridges.**  
There are no bridges within the project limits.
- h. **Traffic.**  
New curb markings will be needed in areas of curb replacement. Traffic is requested to provide quantities of curb markings. Great Falls District Construction recommended that any signs in conflict be reset under miscellaneous items.
- i. **Pedestrian/Bicycle/ADA.**
- j. Sidewalk, curb and gutter are present throughout the project. Funding is unavailable for total sidewalk replacement. Sidewalk reconstruction will be addressed through city-wide projects or future maintenance-funded projects.  
New ADA facilities are proposed along with Detectable Warning Devices for existing adequate ramps.  
While no bicycle facilities are proposed for this project, bicycle routes are available on 1<sup>st</sup> and 2<sup>nd</sup> Ave. S. and 4<sup>th</sup> Ave. N for east and west bound bike traffic.
- k. **Context Sensitive Design Issues.**  
No context sensitive design issues will be addressed with this project.

## Preliminary Field Review/Scope of Work Report

CM 5218(3)

Project Manager: Christie McOmber

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### **Other Projects**

An adjacent project recently nominated is:

CM 5210(24)

ADA: 1<sup>st</sup> Ave N. 25<sup>th</sup> – 38<sup>th</sup>

This project is a mill, overlay with ADA improvements and storm drain inlet replacement that will be completed under a combination of Great Falls District Maintenance and CM funding.

Another adjacent project is:

UPP 5210(21)

1<sup>st</sup> Ave N – 9<sup>th</sup> – 25<sup>th</sup> - GTF

This project is a mill, overlay with digout areas, sidewalk and ADA upgrades and storm drain inlet replacement and has a proposed letting date of March 2011.

Other than the two adjacent projects mentioned above, there are numerous projects scheduled for construction in the Great Falls Urban Area during the 2011 construction season:

- STPHF 60-2(95)96, 2002 – 10<sup>th</sup> Ave So/Fox Farm Rd – (GF), an intersection improvement project,
- NH 60-2(92)93, River Dr – 15<sup>th</sup> to 25<sup>th</sup> (GF), an overlay and seal & cover project,
- NH 103-1(12)0, Central Ave West (GTF), a mill, overlay, and seal & cover project,
- STPU 5204(3), Smelter Avenue – Black Eagle, a reconstruct project,
- NH 60-2(92)93, 10<sup>TH</sup> AVE S-WARDEN BR-18<sup>TH</sup>-GF, a concrete crack seal project.
- BH 5299(85), D3 Br Deck Rehab/Repair 09, is a minor deck rehabilitation project

There should be no major effects on this project due to the adjacent projects.

### **Location Hydraulics Study Report**

Due to the limited scope of the project no Location Hydraulics Study is required. Some curbs may be adjusted slightly to improve flow into the drop inlets or around corners with the ADA ramp replacements. A minimal amount of new curb may also be required at other locations to facilitate drainage where the existing curb line has sunk. Existing drop inlets that would interfere with new ADA ramps will be replaced.

### **Design Exceptions**

No Design Exceptions are anticipated for this project.

### **Right-of-Way**

Existing R/W widths are 80' throughout the project. No new R/W will be required. Existing R/W has been plotted from as-built plans and it appears new ADA facilities will fit within the existing R/W.

### **Access Control**

The existing access control falls under regulated access for the route included in this project. There will be no modifications to the existing access control.

### **Utilities/Railroads**

Due to the limited scope of this project, minimal utility conflicts are anticipated for this project. No railroads are located within the project limits.

### **Intelligent Transportation Systems (ITS) Features**

There are no ITS solutions that will be considered as part of this project.

## Preliminary Field Review/Scope of Work Report

CM 5218(3)

Project Manager: Christie McOmber

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### Survey

The project will be designed from as-builts and informal field trips by the Design Unit. No formal survey is necessary.

### Public Involvement

Due to the limited scope of the project, a level "A" public involvement plan is appropriate. The plan will include a news release, which will explain the project and include a department point of contact.

### Environmental Considerations

This proposed project appears to meet the criteria for a Statewide Programmatic Categorical Exclusion. No major environmental concerns or issues were identified. Environmental Services will prepare the appropriate level of environmental documentation for this proposed project.

### Energy Savings/Eco-Friendly Considerations

Due to the limited scope of this project, no energy savings and/or eco-friendly considerations were met.

### Traffic Control

Restricting parking along one side for short periods of time will be used to maintain working space on this one way avenue. As this is a residential area night work will not be considered. A Transportation Management Plan (TMP) consisting of a Traffic Control Plan (TCP) is appropriate for this project.

Traffic issues that will require special consideration are as follows:

- Swift setup and removal of traffic signing in accordance with the Manual on Uniform Traffic Control Devices will be necessary, as this is a heavily used urban route.
- Extra caution should be used by the workers to maintain a safe working area as far away from the traveling lanes as possible.
- Pedestrian traffic must be addressed with properly signed and ADA compliant detours.

### Project Management

The Great Falls District will be responsible for the plans. Christie W. McOmber, P.E., is the Great Falls District Projects Engineer. This is not a full FHWA oversight project.

### Preliminary Cost Estimate

The estimate includes sidewalk, curb and gutter, Detectable Warning Devices, drop inlets and Traffic Control.

		Estimate	Inflation (INF)	w/INF + IDC
ADA: 2ND AVE N. 37TH - 15TH		Costs	(from PPMS)	(from PPMS)
Misc. Sidewalk Items		\$180,441		
Drop Inlets		\$80,500		
Traffic Control		\$960		
<b>Subtotal</b>		<b>\$261,901</b>		
Mobilization	10%	\$26,190		
<b>Subtotal</b>		<b>\$288,091</b>		

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Contingencies	8%	\$23,047		
<b>Total CN</b>		<b>\$311,138</b>	<b>\$28,540</b>	<b>\$385,026</b>
<b>CE</b>	10%	<b>\$31,114</b>	<b>\$2,854</b>	<b>\$38,503</b>
IDC:	13.35%		<b>TOTAL</b>	<b>\$423,528</b>
	<b>Inflation Factor (ppms)</b>		<i>0.091728409</i>	

Note: Inflation is calculated in PPMS to the letting date. If there is no letting date, the project is assumed to be inside the current TCP and is given a maximum of 5 years until letting. IDC is calculated at 13.35% as of FY 2011.

### **Ready Date**

The ready date for the project is expected to be December 1, 2010.

The project has not been programmed in OPX2 but is expected to be complete in time for an early 2011 letting.

### **Site Map**

The project site map is attached.

# Preliminary Field Review/Scope of Work Report

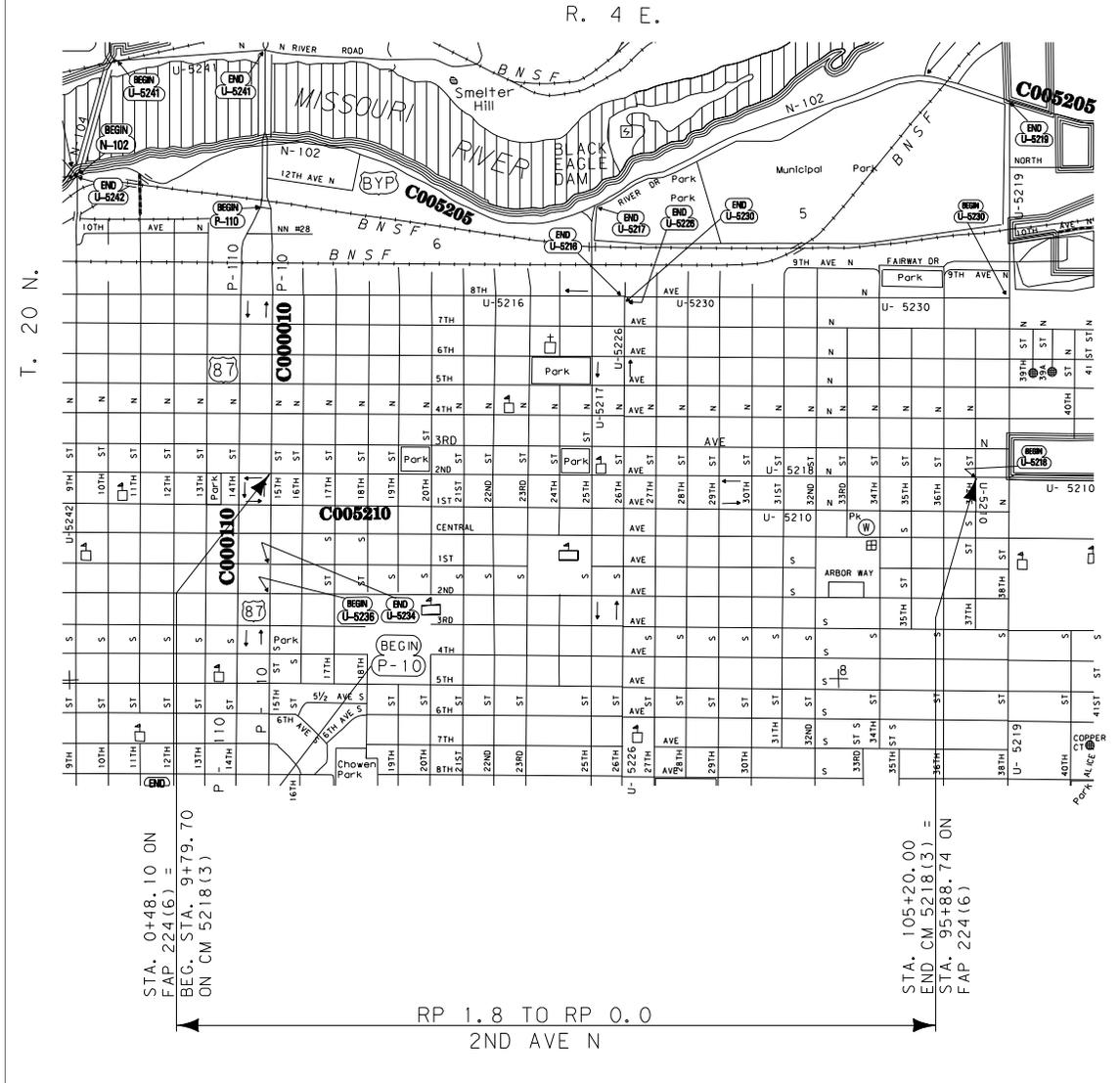
CM 5218(3)

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## FEDERAL AID PROJECT CM 5218(3) ADA RAMPS, CURB & DROP INLETS ADA: 2ND AVE N. 37TH - 15TH CASCADE COUNTY

LENGTH 1.8 MILES



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