IOWA | DOT

KIM REYNOLDS, GOVERNOR
ADAM GREGG, LT. GOVERNOR

SCOTT MARLER, IOWA DOT DIRECTOR
TROY JERMAN, IOWA DOT COO

IOWA DEPARTMENT OF TRANSPORTATION
District 2 Office
428 43rd St SW
Mason City, IA 50401
563-380-0106
www.iowadot.gov

November 14, 2024

Chris Schveiger
Fayette County Sheriff's Office
220 N Industrial Pkwy
West Union, IA 52175

Good morning:

Attached is your approved Utility Accommodation Permit/Application and Agreement to Perform Work Within State Highway Right-of-Way along US 52 according to project plans, IDOT Standard Specifications, and the Policy for Accommodating and Adjustment of Utilities on the Primary Road System.

10 DAYS PRIOR to commencing permitted work, permit holder and/or their subcontractor shall respond with a "REPLY ALL" to THIS EMAIL and provide the following:

- **24 hr. contact name & phone number for the crew on site.**
- **Actual dates/times the crew will be on site for the permitted work.**

(Please note: work on site may not be allowed if notification is less than 48 hours)

- **If a lane closure is necessary, provide date CARS 511 was contacted for notification.**

In addition to the standard permit application requirements, the following special requirements shall apply to this permit:

- **NA**

As a reminder:

- All personnel in the highway right-of-way shall always wear ANSI 107 Class 2 apparel when exposed to traffic or construction equipment.
- A copy of the approved permit shall be always available on the job site for examination by Department personnel.
- Unless specifically noted in the Special Requirements section, all work performed with the right-of-way shall be restricted to 30 minutes after sunrise to 30 minutes before sunset.
- All disturbed soils/grasses shall be graded/seeded/restored to the original condition upon completion of the permitted work.

The permit's expiration/completion date is 11/14/2025.

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428 43rd St SW
Mason City, IA 50401
563-380-0106
www.iowadot.gov

If you should have any questions, please contact me.

Thank You,

Nick Sorenson
Engineering Operations Technician
District 2 Engineering Staff- Mason City
Iowa Department of Transportation
428 43rd St SW
Mason City, IA 50401
641-394-3161 office
563-380-0106 mobile
Nicholas.sorenson@iowadot.us

IOWA DOT
Form 810028 (11-23)

APPLICATION AND AGREEMENT TO PERFORM WORK WITHIN STATE HIGHWAY RIGHT-OF-WAY

FOR DEPARTMENT USE ONLY

Permit Number	Highway Number	County
22A-2024-016	US 52	Clayton
DOT Project Number		**Expiration/Completion Date**
NHSN-018-9(83)--2R-22		11/14/25

APPLICANT (INDIVIDUAL OR COMPANY) (ASSISTANCE FROM DEPARTMENT AVAILABLE UPON REQUEST)

First Name	Middle	Last Name	Phone Number	Ext.
Chris	J	Schveiger	563-422-6067	240
Company Name			**Phone Number**	**Ext.**
Fayette County Sheriff's Office			563-422-6067	0

Street Address	City/Town	State	ZIP Code
220 N Industrial Pkwy	West Union	IA	52175

e-Mail Address
cschveiger@fayettecountyso.us

WORK TO BE ACCOMPLISHED

Approval is hereby requested to enter within the state right-of-way and to complete the proposed work as detailed on the attachments and further described as follows:

Fayette County Sheriff's Office is requesting permission and permitting to place a license plate reader camera (LPR) on a breakaway DOT Pole on Highway 52, specifically on east side of 52, approximately 1,240ft south of Hwy 18 intersection. The wood 18 ft. breakaway pole would be put into the ground, and approximately 18-20 feet from travel portion (White line). The solar LPR would be placed on top of pole approximately 11-12 ft in the air with 2 metal bands. This LPR would be behind current signage (specifically Hwy/18/18 Detour sign)

and shall be located as shown on the detailed plan attached hereto. **(See current Iowa Department of Transportation Utility Accommodation Policy for submittal of detailed plan requirements.)** https://iowadot.gov/rightofway/pdfs/UtilityPolicy.pdf

WORK SITE LOCATION

The proposed work as described above is located in Section 34, Twp. 095N, Range 04W on Highway No. X 52 generally located west (miles) 18.64 (direction) from Fayette/Clayton County Line (city, county line, or other land line). Work proposed is more specifically located as being from 106.59 (Milepost #) and 1480+04 (Highway Station) to 106.59 (Milepost #) and 1480+04 (Highway Station) on the Rt side of highway.

All proposed work covered by this permit shall be at the applicant's expense. The applicant shall reimburse the Iowa Department of Transportation for any materials removed from the highway right-of-way described as follows:
NA

The following special requirements shall apply to this permit:

Disclosure Statement: The information furnished on this form will be used by the Department of Transportation to determine approval or denial of the application. Failure to provide all information will result in denial of the application. Information furnished is public information and copies may be provided to the public upon request.

The utility company, corporation, applicant, permit holder or licensee, (hereinafter referred to as the Permit applicant) agrees with the Iowa Department of Transportation (hereafter referred to as the Department) that the following stipulations and those special requirements as listed on this document shall govern under this permit after it is approved by the Department.

A. General

1. The installation shall meet the requirements of local municipal, county, state, and federal franchise rules and regulations, regulations and directives of the Iowa State Commerce Commission; the Iowa Department of Natural Resources, all rules and regulations of the Department and any other laws or regulations applicable.
2. The Permit Holder shall be fully responsible for any future adjustments of the facilities within the established highway right-of-way caused by highway construction or maintenance operations.
3. As per Section 115.8(8) of the Utility Accommodation Policy, As-Built plans are due within 90 days after completion of construction, the utility owner shall submit to the district representative an as-built plan.
4. The work described in this permit shall be completed as proposed in compliance with the stipulations and special requirements within one year from the date Department approval is received for said request. Failure on the part of the Permit Holder to abide by the stipulations or in constructing the work described as stipulated and within the time frame stated shall render this agreement and request null and void. The Permit Holder also agrees to save the State of Iowa and the Department harmless of any damages or losses that may be sustained by any person, or persons, on account of the conditions and requirements of this agreement.
5. Non-compliance with any of the terms of the Department's policy, permit, or agreement, may be considered cause for shut-down of construction operations, revocation of the permit, or withholding of relocation reimbursement and/or withholding of future application approvals until compliance is confirmed. The cost of any work deemed necessary to be performed by the State in removal of non-complying construction will be assessed against the Permit Holder.

B. Construction and Maintenance

1. The location, construction and maintenance of the utility installation covered by this application shall be in accordance with the current Department's Utility Accommodation Policy. https://iowadot.gov/rightofway/pdfs/UtilityPolicy.pdf
2. Before beginning any work in the highway right-of-way, it is the responsibility of the Permit Holder to obtain an easement from the drainage district if necessary. The Department assumes no responsibility for advising the Permit Holder of each location of a drainage district crossing. It is the Permit Holder's responsibility to locate these crossings and obtain any necessary easements or permission from the drainage district. See Code of Iowa, Chapter 468 for additional information.
3. A copy of the approved permit shall be available on the job site at all times for examination by Department personnel.
4. Operations in the construction and maintenance of this utility installation shall be carried on in such a manner as to cause minimum interference to or distraction of traffic on said highway.
5. Traffic protection shall minimally be in accordance with Part VI of the current Manual on Uniform Traffic Control Devices for Streets and Highways. The applicant shall be responsible for correctly using traffic control devices including signs, warning lights, and channelizing devices as needed while work is in progress or the clear zone is impacted. Flagging operations are the responsibility of the applicant. The Department's TC XXX Series Standards are the preferred traffic control specification plans. http://www.iowadot.gov/design/stdplne_tc
6. The applicant shall seed and mulch all disturbed areas within the highway right-of-way and shall be responsible for the vegetative cover until it becomes well established. Any surfaced areas such as driveways or shoulders and sodded waterways and plantings which are disturbed shall be restored to their original condition. Any damage to any other underground facilities during installation shall be repaired at the permit holder's expense.
7. All personnel in the highway right-of-way shall wear ANSI 107 Class 2 apparel at all times when exposed to traffic or construction equipment.
8. As per Policy Section 115.4(9) parking or storage in the clear zone is prohibited. When not in actual use, vehicles, equipment and materials shall not be parked or stored within the clear zone or median.
9. Unless specifically noted in Special Requirements section, all work performed within the right-of-way shall be restricted to 30 minutes after sunrise to 30 minutes before sunset.
10. Pedestals shall be placed within 12 inches of the right-of-way line.
11. All above and below ground appurtenances (pedestals, hydrants, drains, accesses, etc.) shall be marked with high visibility posts and signs. The minimum height requirement for the signs shall be 5 foot. Urban Roadway Sections may be exempted with department approval.

C. Liability

1. To the extent allowable by law, the Permit Holder agrees to indemnify, defend, and hold the Department harmless from any action or liability arising out of the design, construction, maintenance, placement of traffic control devices, inspection, or use of the Permit Holder's facilities. This agreement to indemnify, defend, and hold harmless applies to all aspects of the Department's application review and approval process, plan and construction reviews, and funding participation.
2. The Permit Holder shall indemnify and save harmless the State of Iowa, its agencies and employees, from any and all causes of action, suits at law or in equity, for losses, damages, claims or demands, and from any and all liability and expense of whatsoever nature, arising out of or in connection with the Permit Holder's use or occupancy of the public highway.
3. The State of Iowa and the Department assume no responsibility for damages to the Permit Holder's property occasioned by any construction or maintenance operations on said highway if the facilities are not located in accordance with this permit.
4. The State of Iowa, its agencies or employees, will be liable for expense incurred by the Permit Holder in its use and occupancy of the highway right-of-way only when negligence of the State, its agencies or employees, is the sole proximate cause of such expense. Whether in contract, tort or otherwise, the liability of the State, its agencies and employees, is limited to the reasonable, direct expense to repair damaged utilities, and in no event will such liability extend to loss of profits or business, indirect, special, consequential or incidental damages.

D. Notification

1. The Permit Holder is responsible for contacting **Iowa One-Call (1-800-292-8989)** and request the location of all underground utilities forty-eight (48) hours before excavation. Before beginning work in the highway right-of-way, the Permit Holder shall also contact any other known utility located in the area of the proposed work.
2. The Permit Holder agrees to give the Department forty-eight (48) hour notice of its intention to start construction or to perform routine maintenance on the highway right-of-way. Said notice shall be made to the local DOT contact person whose name is shown on Page 3.
3. **511 Notification** - The Permit Holder or their contractor **may not obstruct or close** primary highways or primary highway extensions (state highways within city limits) **without prior consent of the department**, except in emergency situations. Before setting up a lane closure or vertical/horizontal restriction of any kind on a primary highway, call the local DOT Maintenance Garage **AND** the Traffic Management Center per attached documents. Except in emergency situations, a 10-day advance notice is required. http://www.iowadot.gov/traffic/utility/pdfs/511UtilityNotification.pdf

E. Buy America

Buy America applies to relocations of utility facilities that must move due to highway projects under certain specific conditions that include reimbursable locations and relocations due to interstate projects.
Please contact the Department's District Engineering Operation Technician (EOT) for more information on Buy America requirements or visit the following link:
https://iowadot.gov/rightofway/Utility-Accommodation-and-Coordination#533652456-buy-america

Permit Number: 22A-2024-016

Applicant Signature and Agreement

The undersigned have read the stipulations of this permit agreement as stated as well as attachments which may be included and by signing this application agree to abide by all stipulations and to complete the work as proposed in compliance with the stipulations and attachments within one year from the date Department approval is received for said request. Failure on the part of the applicant to abide by the stipulations or to construct the work desired as stipulated and within the time frame stated shall render this agreement and request null and void. The undersigned also agrees to save harmless the State of Iowa and the Iowa Department of Transportation from any damage or losses that may be sustained by any person or persons on account of the conditions and requirements of this agreement.

Applicant Name *(First, M.I., Last - Print or Type)*	Agent/Owner *(Signature)*	Date
Chris Schveiger	Chris Schveiger	10-21-24
e-Mail Address: cschveiger@fayettecountyso.us		

CITY ACTION (IF PROPOSED WORK IS WITHIN AN INCORPORATED CITY, CITY ACTION IS REQUIRED)

"The undersigned city joins in the grants embodied in the above permit executed by the Iowa Department of Transportation on condition that all of the covenants and undertakings therein running to the Iowa Department of Transportation shall inure to the benefit of the undersigned city and recommends action on said permit application as noted below by the delegated city official".

☐ Recommend Approval ☐ Do Not Recommend Approval ☐ None Required

Signature	Title	Date
Type or Print Name	Authorized Official for the City of	
e-Mail Address		

COUNTY ACTION (IF PROPOSED WORK CROSSES COUNTY RIGHT-OF-WAY, COUNTY ACTION IS REQUIRED)

"The undersigned county joins in the grants embodied in the above permit executed by the Iowa Department of Transportation on condition that all of the covenants and undertakings therein running to the Iowa Department of Transportation shall inure to the benefit of the undersigned county and recommends action on said permit application as noted below by the delegated county official".

☒ Recommend Approval ☐ Do Not Recommend Approval ☐ None Required

Signature	Title	Date
Dylan T. Rumph	Deputy Sheriff	10/24/24
Type or Print Name: Dylan T. Rumph	Authorized Official for the County of: Clayton	
e-Mail Address: drumph@claytoncountyia.gov		

FEDERAL HIGHWAY ADMINISTRATION ACTION
(DEPARTMENT REPRESENTATIVE WILL REVIEW THE REQUEST AND OBTAIN FHWA ACTION, WHEN NECESSARY)

☐ Recommend Approval ☐ Do Not Recommend Approval ☐ None Required

Authorized FHWA Representative Signature	Date

DEPARTMENT OF TRANSPORTATION FINAL ACTION

☒ Application Approved ☐ Application Denied

Permit Number: 22A-2024-016

Authorized Highway District Representative	Signature	Date
Nick Sorenson	Nicholas Sorenson	11/14/24
e-Mail Address: nicholas.sorenson@iowadot.us		

Notice of intention to commence activities on the highway rights-of-way shall be submitted by the applicant a minimum of 48 hours prior to actually commencing the activities as herein granted by this approved application. Notice is to be given to the following Iowa Department of Transportation representative:

Local DOT Contact Person (Type or Print Name)		Phone Number	
Gabe Zittergruen		563-245-2724	
Street Address: 22347 Iowa 128	City/Town: Elkader	State: IA	ZIP Code: 52043
e-Mail Address: gabriel.zittergruen@iowadot.us			

Site Survey

LPR FOR LAW ENFORCEMENT

insight LPR

Insight LPR Site Survey – Location D: McGregor – US-52 at US-18

insight LPR

Acceptable Clear-zone Distances (feet).

		FORESLOPES			BACKSLOPES		
design speed	design ADT	6:1 or flatter	Steeper than 6:1, up to and including 4:1	Steeper than 4:1	Steeper than 4:1*	4:1 or flatter, up to 6:1	6:1 or flatter
40 mph or less	ADT < 750	7	7	**	7	7	7
	750 ≤ ADT < 1500	10	12	**	10	10	10
	1500 ≤ ADT < 6000	12	14	**	12	12	12
	ADT ≥ 6000	14	16	**	14	14	14
45 – 50 mph	ADT < 750	10	12	**	8	8	10
	750 ≤ ADT < 1500	14	16	**	10	12	14
	1500 ≤ ADT < 6000	16	20	**	12	14	16
	ADT ≥ 6000	20	24	**	14	18	20
55 mph	ADT < 750	12	14	**	8	10	10
	750 ≤ ADT < 1500	16	20	**	10	14	16
	1500 ≤ ADT < 6000	20	24	**	14	16	20
	ADT ≥ 6000	22	26	**	16	20	22
60 mph	ADT < 750	16	20	**	10	12	14
	750 ≤ ADT < 1500	20	26	**	12	16	20
	1500 ≤ ADT < 6000	26	30	**	14	18	24
	ADT ≥ 6000	30	30	**	20	24	26
65 – 70 mph	ADT < 750	18	20	**	10	14	14
	750 ≤ ADT < 1500	24	28	**	12	18	20
	1500 ≤ ADT < 6000	28	30	**	16	22	26
	ADT ≥ 6000	30	30	**	22	26	28

* Backslopes as steep as 2.5:1 can be considered as part of the clear zone, as long as they are relatively smooth and do not contain any fixed objects. Refer to Section 8A-4 of the Design Manual for information regarding backslopes steeper than 2.5:1.

** Since a vehicle traveling on a slope steeper than 4:1 is likely to be diverted to the bottom of the slope, the width of any slope steeper than 4:1 cannot be counted in the clear zone determination. Refer to Section 8A-2 of the Design Manual for information on providing clear recovery areas at the base of steep slopes.

Clear-zone Distances for Highways

For freeways, expressways, rural two-lane highways, and transitional facilities, select the design clear-zone distance from the appropriate clear zone table, using the mainline volume. For ramps that are separate from the mainline, use the ramp volume. Ramp tapers and auxiliary lanes are special cases and will be discussed later in this section. Note that since traffic speeds, traffic volumes, horizontal curvature, and roadside geometry can all vary throughout a corridor, clear-zone distances must be determined for each distinct roadway segment.

Preferred Clear-zone Distances (feet).

		FORESLOPES			BACKSLOPES		
design speed	design ADT	6:1 or flatter	Steeper than 6:1, up to and including 4:1	Steeper than 4:1	Steeper than 4:1*	4:1 or flatter, up to 6:1	6:1 or flatter
40 mph or less	ADT < 750	10	10	**	10	10	10
	750 ≤ ADT < 1500	12	14	**	12	12	12
	1500 ≤ ADT < 6000	14	16	**	14	14	14
	ADT ≥ 6000	16	18	**	16	16	16
45 – 50 mph	ADT < 750	12	14	**	10	10	12
	750 ≤ ADT < 1500	16	20	**	12	14	16
	1500 ≤ ADT < 6000	18	26	**	14	16	18
	ADT ≥ 6000	22	28	**	16	20	22
55 mph	ADT < 750	14	18	**	10	12	12
	750 ≤ ADT < 1500	18	24	**	12	16	18
	1500 ≤ ADT < 6000	22	30	**	16	18	22
	ADT ≥ 6000	24	32	**	18	22	24
60 mph	ADT < 750	18	24	**	12	14	16
	750 ≤ ADT < 1500	24	32	**	14	18	22
	1500 ≤ ADT < 6000	30	40	**	18	22	26
	ADT ≥ 6000	32	44	**	22	26	28
65 – 70 mph	ADT < 750	20	26	**	12	16	16
	750 ≤ ADT < 1500	26	36	**	16	20	22
	1500 ≤ ADT < 6000	32	42	**	20	24	28
	ADT ≥ 6000	34	46	**	24	30	30

* Backslopes as steep as 2.5:1 can be considered as part of the clear zone, as long as they are relatively smooth and do not contain any fixed objects. Refer to Section 8A-4 of the Design Manual for information regarding backslopes steeper than 2.5:1.

** Since a vehicle traveling on a slope steeper than 4:1 is likely to be diverted to the bottom of the slope, the width of any slope steeper than 4:1 cannot be counted in the clear zone determination. Refer to Section 8A-2 of the Design Manual for information on providing clear recovery areas at the base of steep slopes.

Form 531051 (02-20)

CARS 511 Request Form

Email NEW CARS entries to IowaDOT.Traffic@iowadot.us. Updates and/or changes to the current CARS entries may be emailed or by calling 515-237-3300.

If you need a press release for this project please contact Keven Arrowsmith in the Office of Strategic Communications, by phone (515-239-1620) or email (Keven.Arrowsmith@iowadot.us).

General Information

Requester: _____ E-mail address: _____

Does this project include Intelligent Work Zones? ☐ Yes ☐ No

Responsible RCE Office:

☐ Grimes	☐ Sioux City	☐ Chariton
☐ Jefferson	☐ Cherokee	☐ Cedar Rapids
☐ Marshalltown	☐ Council Bluffs	☐ Davenport
☐ Mason City	☐ Creston	☐ Manchester
☐ New Hampton	☐ Fairfield	☐ Other

Route and direction (N, S, E, W or Both) _____

DOT Project Number (if applicable) _____

Project description (PCC/HMA resurfacing or overlay, bridge replacement, new bridge, etc.

_____

Project begin location (detailed description) (Do NOT use landmarks)

_____

Project end location (detailed description) (Do NOT use landmarks)

_____

County/Counties _____

24 hour project contact (for **after-hours** traffic control issues)

Name _____ Phone _____ (If none, please enter **none**)

Describe the impact on traffic

☐ Closed	☐ Center lane closed	☐ Intersecting road closed
☐ Closed intermittently	☐ Right shoulder closed	☐ Local road closures in area
☐ Intermittent lane closure	☐ Left shoulder closed	☐ Left lane of exit ramp closed
☐ Alternating lane closures	☐ Exit ramp closed	☐ Road construction
☐ Reduced to one lane	☐ Entrance ramp closed	☐ Work in the median
☐ Reduced to two lanes	☐ Two center lanes are closed	☐ Opposing traffic
☐ Reduced to three lanes	☐ Left exit ramp closed	☐ Single lane traffic alternating directions
☐ Right lane closed	☐ Shoulder closed	☐ Slow moving maintenance vehicle
☐ Left lane closed	☐ Bridge is closed	

Additional project information (pilot car, flagger, etc.)

Will there be temporary overhead signals? (15' standard height restriction) ☐ Yes ☐ No

If yes, please provide the location of the temporary overhead signals.

Project begin date and time: _____ Project end date and time: _____

Times of Closure ☐ Continuous ☐ Weekdays (Monday – Friday) ☐ Nights

Times of closure (Actual times required) _____

Restrictions (Need help deciding appropriate restrictions? Call Motor Carrier Services at 515-237-3264)

Are there restrictions? ☐ Yes ☐ No (If no, please skip ahead to the "**Detour information**" section.

Are there width restrictions? ☐ Yes ☐ No

Is the width restriction the entire length of the project? ☐ Yes ☐ No

If yes, what is the width restriction? _____

If no, do you have the Restriction Tabulation sheet? ☐ Yes ☐ No

If yes, please attach the Restriction Tabulation Sheet.

If no, how many width restricted areas and bridges are within the project? _____

If you do NOT have the Restriction Tabulation Sheet, please complete the relevant information for each restricted area or bridge.

1. Area or bridge # _____ Travel direction ☐ N ☐ S ☐ E ☐ W Measured width minus (at least) 1 ft. _____
2. Area or bridge # _____ Travel direction ☐ N ☐ S ☐ E ☐ W Measured width minus (at least) 1 ft. _____
3. Area or bridge # _____ Travel direction ☐ N ☐ S ☐ E ☐ W Measured width minus (at least) 1 ft. _____
4. Area or bridge # _____ Travel direction ☐ N ☐ S ☐ E ☐ W Measured width minus (at least) 1 ft. _____
5. Area or bridge # _____ Travel direction ☐ N ☐ S ☐ E ☐ W Measured width minus (at least) 1 ft. _____
6. Area or bridge # _____ Travel direction ☐ N ☐ S ☐ E ☐ W Measured width minus (at least) 1 ft. _____
7. Area or bridge # _____ Travel direction ☐ N ☐ S ☐ E ☐ W Measured width minus (at least) 1 ft. _____
8. Area or bridge # _____ Travel direction ☐ N ☐ S ☐ E ☐ W Measured width minus (at least) 1 ft. _____
9. Area or bridge # _____ Travel direction ☐ N ☐ S ☐ E ☐ W Measured width minus (at least) 1 ft. _____
10. Area or bridge # _____ Travel direction ☐ N ☐ S ☐ E ☐ W Measured width minus (at least) 1 ft. _____

Are there height restrictions? ☐ Yes ☐ No (if no, please continue to next section)

If yes, do you have the Restriction Tabulation sheet? ☐ Yes ☐ No

If yes, please attach the Restriction Tabulation Sheet.

If no, how many overhead bridges are within the project? _____

If you do NOT have the Restriction Tabulation Sheet, please complete the relevant information for each overhead bridge

1. Bridge # or location _____ Travel direction ☐ N ☐ S ☐ E ☐ W Estimated Vertical Clearance _____
2. Bridge # or location _____ Travel direction ☐ N ☐ S ☐ E ☐ W Estimated Vertical Clearance _____
3. Bridge # or location _____ Travel direction ☐ N ☐ S ☐ E ☐ W Estimated Vertical Clearance _____
4. Bridge # or location _____ Travel direction ☐ N ☐ S ☐ E ☐ W Estimated Vertical Clearance _____
5. Bridge # or location _____ Travel direction ☐ N ☐ S ☐ E ☐ W Estimated Vertical Clearance _____
6. Bridge # or location _____ Travel direction ☐ N ☐ S ☐ E ☐ W Estimated Vertical Clearance _____
7. Bridge # or location _____ Travel direction ☐ N ☐ S ☐ E ☐ W Estimated Vertical Clearance _____
8. Bridge # or location _____ Travel direction ☐ N ☐ S ☐ E ☐ W Estimated Vertical Clearance _____
9. Bridge # or location _____ Travel direction ☐ N ☐ S ☐ E ☐ W Estimated Vertical Clearance _____
10. Bridge # or location _____ Travel direction ☐ N ☐ S ☐ E ☐ W Estimated Vertical Clearance _____

Are there **weight** restrictions? ☐ Yes ☐ No ☐ Unknown

If yes, what is the weight restriction? _____

Are there **length** restrictions? ☐ Yes ☐ No ☐ Unknown

If yes, what is the length restriction? _____

Are these restrictions 24 hours per day? ☐ Yes ☐ No (If no, please enter the daily start / end times below.)

Enter the daily restriction START time _____ And daily restriction END time _____

Additional information pertaining to restrictions (shoulder type and width, TBR, channelizing devices, etc.)

Detour Information

Is there a marked detour? ☐ Yes ☐ No

If yes, are oversized loads allowed on the detour? ☐ Yes ☐ No

If yes, are there restrictions on the detour? (height, width, length, weight)

If no, what restriction prevents oversize / overweight loads? (height, width, weight, length)

Do you have a map of the detour? ☐ Yes ☐ No

If yes, please attach the map of the detour

If no, please describe the detour in detail in the space provided below.

District Traffic Tech (contact for all detour restriction info)

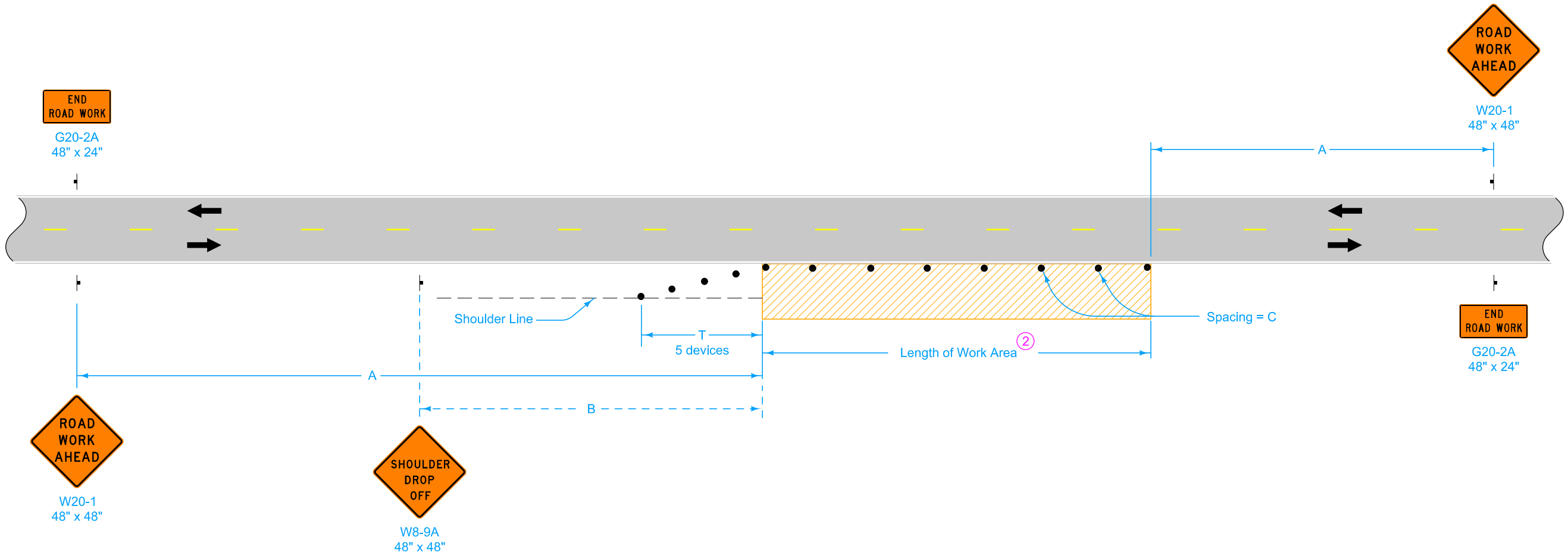
Name _____ Phone _____

Maintenance Garage responsible for detour: _____

Dynamic Message Signs (DMS)

Request use of permanent DMS is area: ☐ Yes ☐ No

Proposed signs and messages



LEGEND

- Traffic Sign
- 42" Channelizer
- Work Area
- Direction of Traffic

SPEED LIMIT (mph)	A	B	C (2)	T
35 or less	500'	250'	40'	100'
40 - 45	700'	350'	80' (1)	200'
50 or greater	1000'	500'	100' (1)	200'

When a pavement edge drop-off exists, install a SHOULDER DROP-OFF sign.

No pavement edge drop-offs greater than pavement depth will be allowed during non-working hours.

Shoulder edge drop-offs shall be mitigated according to Article 1107.08.K2 of the Standard Specifications.

For work lasting less than one hour, refer to TC-1.

(1) When the length of a pavement edge drop-off is 1000 feet or less, the temporary fillet requirement of Article 1107.08 of the Standard Specifications does not apply. Reduce channelizer spacing to 40 feet.

(2) For work areas less than 200 feet long, use channelizers spaced at 20 foot centers or use a vehicle with an amber revolving light or amber strobe light.

Possible Contract Item:
Traffic Control

IOWA DOT

REVISION	
9	10-19-21

STANDARD ROAD PLAN

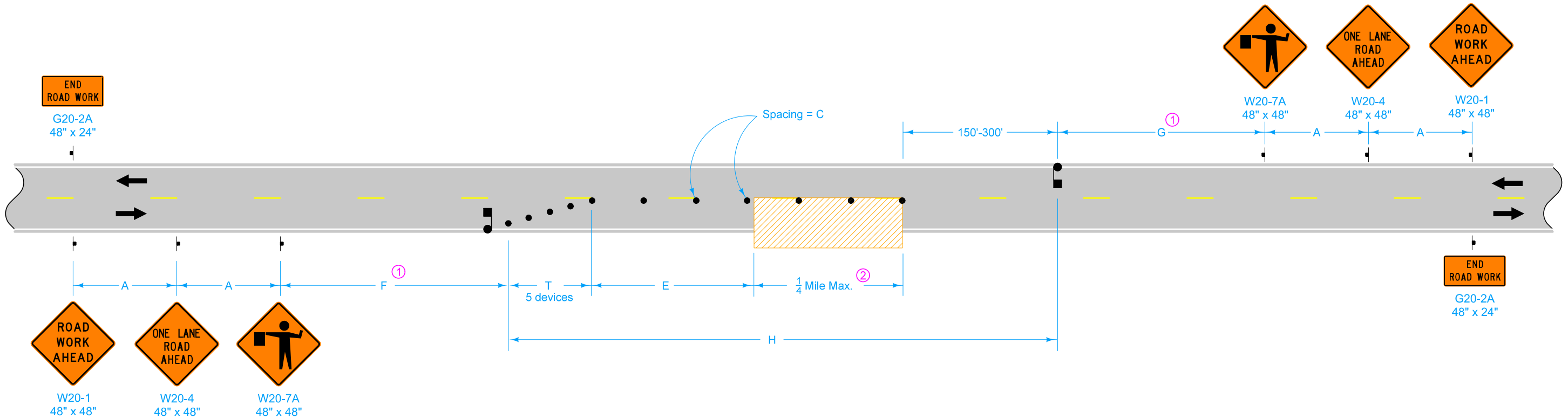
TC-202

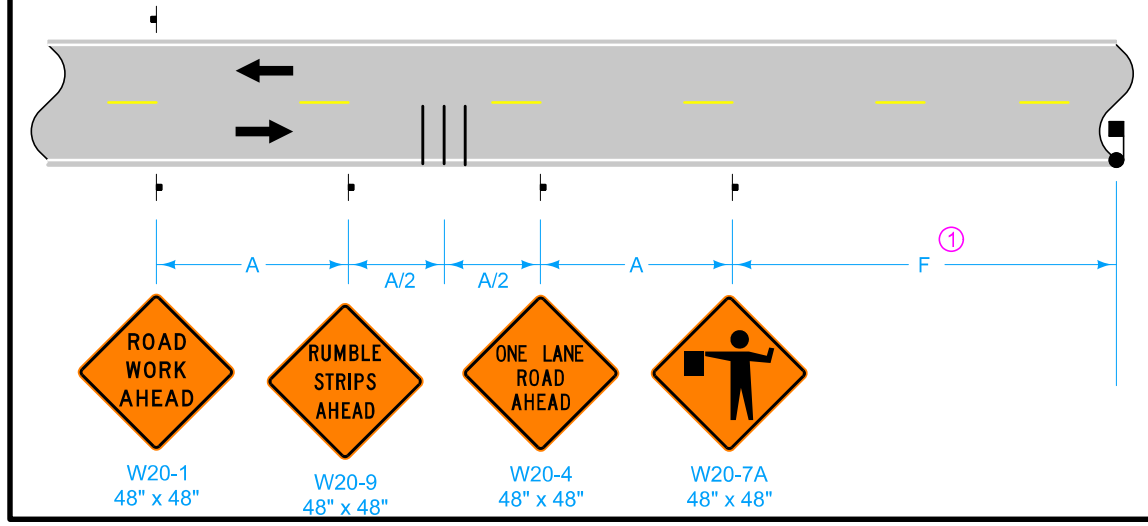
SHEET 1 of 1

REVISIONS: Updated specification reference.

APPROVED BY DESIGN METHODS ENGINEER

WORK WITHIN 15 FT OF TRAVELED WAY





LEGEND

- Traffic Sign
- Flagger
- 42" Channelizer
- Work Area
- Direction of Traffic
- Portable rumble strips

SPEED LIMIT (mph)	A	C	E	F and G Range (1)	F + G Max.	H Max.	T
35 or less	250'	40'	0'-200'	500'-3000'	3500'	2000'	50'
40 - 45	350'	80'	0'-200'	700'-3000'	3700'	2000'	100'
50 or greater	500'	100'	200'-300'	1000'-3000'	4000'	2000'	100'

(1) Keep F and G distances as near to minimum values as work permits. However, to allow advancement of the work area without moving signs, F and G distances may be varied within the limits of the table. Maximum movement can be achieved by setting one F or G value at the minimum and the other value at its maximum.

(2) If length of work area exceeds 1/4 mile, use TC-214.

Possible Contract Items:
Flaggers
Traffic Control

IOWA DOT

STANDARD ROAD PLAN

REVISION	
5	10/18/22

TC-213

SHEET 1 of 1

REVISIONS: Added detail for use of portable rumble strips

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LANE CLOSURE WITH FLAGGERS

4. Urban Seeding.

a. Preparation and Application.

1) Use rotary tiller for preparation of seedbed according to Article 2601.03, B, 4, a. Prior to application of seed, ensure seedbed is firm, smooth, and free of material 1.5 inches in diameter or greater including clods, rocks, and other debris. Roll seedbed before and after application of seed. For rolling, use either open grid type equipment or cultipacker type equipment modified by covering with expanded metal mesh.

2) In areas with existing urban crop stabilizing of 50% or greater density, full seedbed preparation and rolling will not be required. Apply seed using a slit seeder as defined in Article 2601.03, A, 18.

3) Prepare seed according to Article 2601.03, B, 4, c.

4) Apply seed according to Article 2601.03, B, 4, d.

5) Prepare, roll, seed, and fertilize areas inaccessible to field equipment by hand or using hand operated equipment, including lawn type, hand cyclone, or gravity equipment. Obtain Engineer's approval for such equipment.

b. Seed Mixture.

Use seeding rates in Table 2601.03-4 for permanent seeding of urban areas, including areas previously maintained as a lawn.

Table 2601.03-4: Permanent Seed Rates, Urban Areas

Bluegrass, Kentucky[1]	195 lbs. per acre
Ryegrass, Perennial (turf-type variety)[2]	40 lbs. per acre
Fescue, Creeping Red	25 lbs. per acre

1. Choose three different cultivars of Kentucky bluegrass, at 65 lbs. per acre each.
2. Choose two different cultivars of turf-type perennial ryegrass, at 20 lbs. per acre each.

c. Fertilizing.

1) Apply prior to preparing the seedbed.

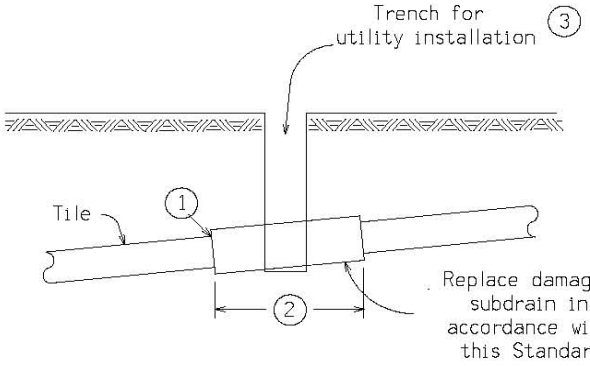
2) Spread over the areas at a rate of 300 pounds per acre of 6-24-24 (or equivalent).

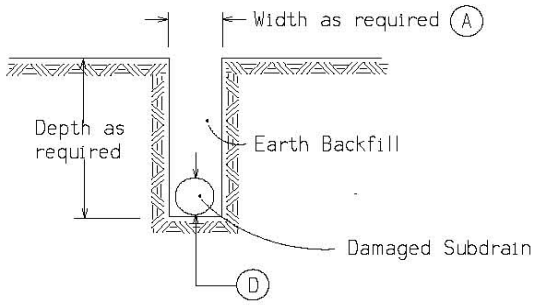
3) Apply the provisions of Article 2601.03, B, 4, b.

d. Application Dates.

Normal permanent seed application dates are March 1 through May 31, and August 10 through September 30.

Tile Line Repair Guideline





Note:
Replacement of drainage tile shall be accomplished so as to cause the minimum of disturbance to existing field tile. The repaired drainage tile shall be left in a functional condition with special emphasis placed on maintaining existing flow line elevations.

(A) = A minimum of 24" shall be excavated outside the normal utility trench wall or such greater width as may be required to expose a minimum of 12" of undamaged drain tile.

REPLACEMENT SCHEDULE - CASE 'A'										
Existing Tile (D)	4	6	8	10	12	15	18	21	24	>24
Proposed Subdrain Size										
Concrete Pipe	-	-	12	15	15	18	21	24	30	D+6"
Coated C.M.P.	10	12	15	18	21	24	30	36	36	*

* Replacement sizes provide equivalent capacity based on 6" settlement assumming a 0.20% slope with n = 0.013 for concrete pipe and n = 0.025 for corrugated pipe (Manning Formula)

NOTES:

Tile lines disturbed within the right-of-way (outside the Roadway Embankment Area *) limits shall be repaired as follows:

May be repaired with schedule 40 PVC pipe of compatible size or in accordance with the replacement schedule-case 'A' as listed above. Replacement with schedule 40 PVC pipe shall require using a connecting device of a Femco plain and plain flexible pipe coupling or equal.

Tile lines disturbed within the "Roadway Embankment Area" shall be replaced in accordance with the replacement schedule - case 'A' stated above and as follows:

(1) Concrete collar to be placed around joint where existing tile line and corrugated aluminized metal pipe connect.

(2) Minimum length of corrugated metal pipe shall be 4 feet. Minimum length of 2 feet on each side of the tile line break location.

(3) Trench shall be backfilled with 8 inches loose material, compacted to 6 inches with a minimum of 95% compaction of natural density.

A. Backfill and compact area around drain tile to be completed by hand until new tile is completely covered. Remainder of the trench shall be backfilled by acceptable methods.

B. Area shall require inspection by the Iowa Department of Transportation inspectors or their designated personnel prior to backfilling of trench.

* "Roadway Embankment Area" is defined as the area lying between the foreslopes of a two-lane roadway and from near foreslope to far foreslope of a four lane roadway.