



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

FOR DEPARTMENT USE ONLY

Permit Number 36A-2025-004	Highway Number IA-2	County Fremont
DOT Project Number F-2-1(23)-20-36		Expiration/Completion Date 04-07-2026

APPLICANT (INDIVIDUAL OR COMPANY)

(ASSISTANCE FROM DEPARTMENT AVAILABLE UPON REQUEST)

First Name Andrew	Middle	Last Name Wake	Phone Number 712-374-2424	Ext.
Company Name Fremont County SO			Phone Number	Ext.
Street Address 2814 200th St		City/Town Sidney	State	ZIP Code 51652
e-Mail Address kaistrophe@co.fremont.ia.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:

Installation of 2 ALPR Cameras on behalf of Fremont County SO.
Cameras and equipment are installed on X2 Redi Torque - Soil Plate
Poles and will be solar powered

See below for special requirements.

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://www.iowadot.gov/rightofway/Utility-Accommodation->

WORK SITE LOCATION

The proposed work as described above is located in Section 21, 28, Twp. 68N,
Range 43W on Highway No. IA - 2 generally located 0.4 (miles) West
(direction) from Intersection of IA 2 and I-29 (city, county line, or other land line). Work proposed is more
specifically located as being from 2.91 (Milepost #) and 1515+05 (Highway Station)
to 3.06 (Milepost #) and 1523+15 (Highway Station) on the Both 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:

1. This permit is for work on Iowa DOT right of way only and does not allow for work on, or access to any other property.
2. Fremont County Sheriff's office is responsible for the installation and maintenance of all proposed equipment.
3. Iowa DOT is not responsible for any damage that occurs to any equipment installed in the right of way.
4. Equipment installed will be removed from the right of way at the sheriff's office expense if it is in conflict with any Iowa DOT project.
5. Any disturbed right of way must be returned to its original condition and reseeded per the attached erosion control detail.
6. Traffic control standards and 511 notification information are included and must be utilized as needed and required.

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://www.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**-In accordance with Iowa Code section 321.348, cities and utilities **may not obstruct or close** primary highways or primary highway extensions (State highways within city limits) **without prior consent of the Iowa DOT**, except in emergency situations. Before setting up a lane closure or a vertical/horizontal restriction of any kind on a primary highway, call your local Iowa DOT Maintenance garage and call 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>

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) Andrew J. Wake	Agent/Owner (Signature) <i>Andrew Wake</i>	Date 04/03/2025
e-Mail Address		

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 <i>Daniel R. Davis</i>	Title FREMONT COUNTY ENGINEER	Date 4/3/25
Type or Print Name DANIEL R. DAVIS		Authorized Official for the County of FREMONT
e-Mail Address ddavis@co.fremont,ia.us		

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
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DEPARTMENT OF TRANSPORTATION FINAL ACTION

☒ Application Approved
 ☐ Application Denied
 Permit Number: 36A-2025-004

Authorized Highway District Representative Nick Mocha	Signature <i>Nick Mocha</i>	Date 04-07-2025
e-Mail Address Nicholas.mocha@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) Mike Miller		Phone Number 712-310-4717	
Street Address 21112 Kane Ave.	City/Town Pacific Junction	State IA	ZIP Code 51561
e-Mail Address Michael.Miller1@iowadot.us			



NON-DOT EQUIPMENT IN ROW APPLICATION

This application and sketch must be filed with the appropriate Iowa Department of Transportation District Office.

County: Fremont

Applicant: Fremont county Sheriff Office

Name of Governmental Authority

Approval is requested for authority to install and maintain non-DOT equipment at the following location:

Fremont County Sheriff office request to install a two Flock safety License Plate reader cameras on Hwy 2 for EB traffic at 40.68918155,-95.79140386 and WB traffic at 40.68950809,-95.78817955

THE APPLICANT UNDERSTANDS THAT THE NON-DOT EQUIPMENT MUST COMPLY WITH THE REQUIREMENTS OF THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), IOWA DEPARTMENT OF TRANSPORTATION. THE APPLICANT ASSUMES RESPONSIBILITY FOR THE OPERATION OF THE NON-DOT EQUIPMENT. THE APPLICANT ALSO ASSUMES ALL COSTS FOR ELECTRICITY, MAINTENANCE, AND REPLACEMENT FOR THE ABOVE TRAFFIC CONTROL DEVICE(S).

Attach a drawing of the proposed installation. Drawing to be complete, showing location of non-DOT equipment in relation to sidewalks, driveways, streets, etc.

OPERATION

Equipment shall function as follows:

License Plate Reader Camera

By: Andrew Wake

Sergeant

4/3/2025

Name/Signature

Title (Mayor, Clerk, or Engineer)

Date

Andrew Wake

AUTHORIZATION

Approval is granted, subject to the conditions and restrictions set forth herein, for the installation of non-DOT equipment at the location described above.

CONDITION AND/OR RESTRICTIONS:

Camera's must be mounted on a approved breakaway post. Fremont County Sheriffs Office will own and maintain the License plate reader. Fremont County Sheriffs office will be responsible for all cost and maintenance of the post, Cameras and hardware related to the License plate readers.

THE IOWA DEPARTMENT OF TRANSPORTATION RESERVES THE RIGHT TO:

- (1) Require the removal (or modification) of such non-DOT equipment upon thirty days written notice. Either lack of supervision, inadequate enforcement, unapproved operation, or intolerable congestion shall be considered sufficient reason to require removal (or modification).
- (2) Revoke and annul the issued permit if the installation is not in operation within eighteen (18) months after date of approval.

Name: _____

District Representative,
Iowa Department of Transportation

4-7-2025

Date

FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: 985888

PERMITTING JURISDICTION:

IOWA DEPARTMENT OF TRANSPORTATION

**IOWA DOT
FLOCK SAFETY
ON BEHALF OF
FREMONT COUNTY SHERIFF'S OFFICE**

CONTACT LIST

PERMITTING

DANI MAYBERRY
DANI.MAYBERRY@FLOCKSAFETY.COM

PROJECT MANAGER

MATT TRIANA
MATT.TRIANA@FLOCKSAFETY.COM

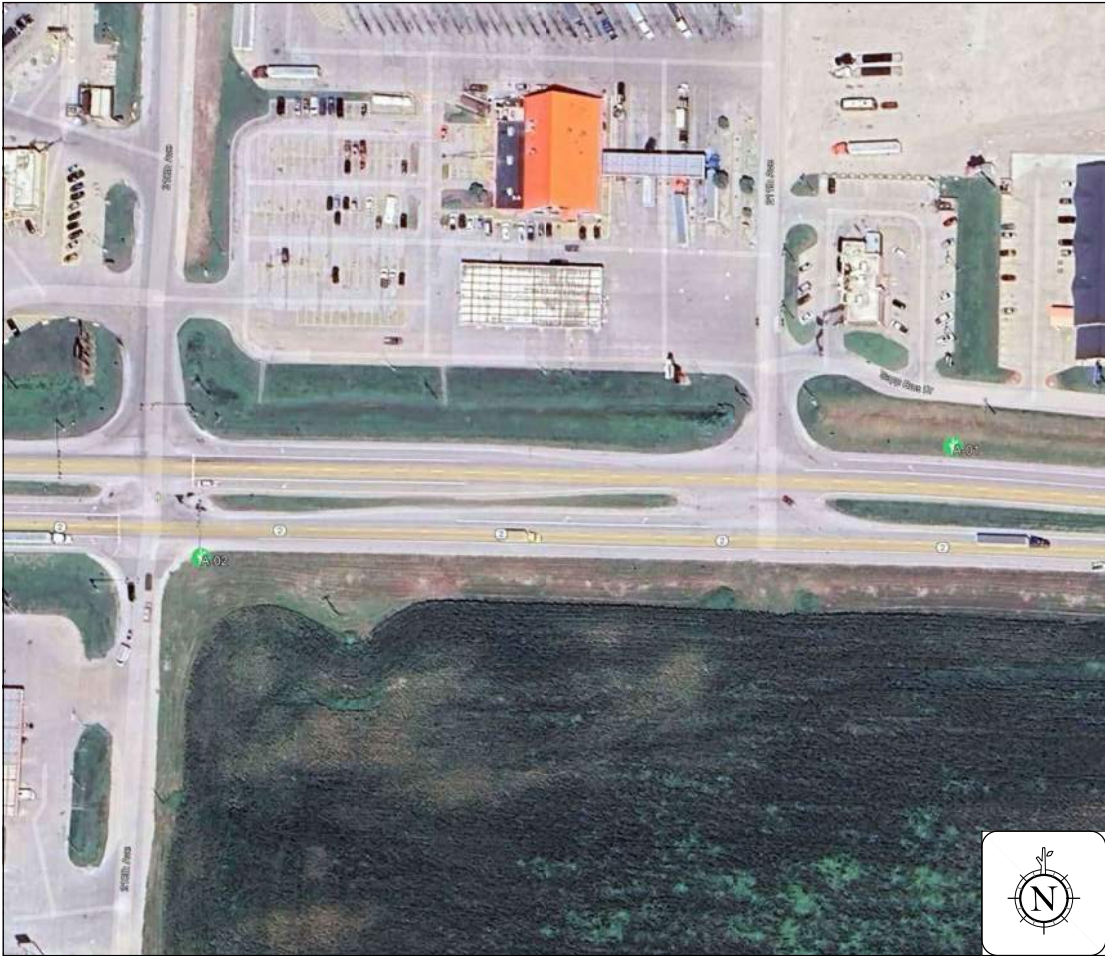
SEE APPROVED PERMIT FOR LISTED INSPECTOR*

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**SAFETY IS IN YOUR HANDS.
EVERY DIG. EVERY TIME.**



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**FREMONT COUNTY
SHERIFF'S OFFICE**

2814 200TH ST
SIDNEY IOWA 51652

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	03/07/2025	MMA	PRELIM

I HEREBY CERTIFY THIS DOCUMENT WAS PREPARED BY
MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A
DULY REGISTERED ENGINEER UNDER THE LAWS OF THE
STATE OF IOWA.

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**FLOCK SAFETY EQUIPMENT
INSTALLATION**

CASE NUMBER: 985888
PERMITTING JURISDICTION:
IOWA DEPARTMENT OF
TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
T.01	0

THIS DOCUMENT HAS BEEN DRAWN BASED OFF THE MOST RECENT AVAILABLE DATA & AERIAL IMAGERY. THIS INCLUDES RIGHT OF WAY, EXISTING UTILITIES, & PRIVATE PROPERTY LINES. IT REMAINS THE RESPONSIBILITY OF OTHERS TO VERIFY ALL DATA PRIOR AND EXISTING SURROUNDING FACILITIES TO VERIFY & CONFLICTS ABOVE & BELOW GRADE.
ALL CONSTRUCTION TO FOLLOW IOWA DEPARTMENT OF TRANSPORTATION GENERAL GUIDELINES. DO NOT SCALE DRAWINGS. CALL 811 PRIOR TO DIGGING.

LINETYPES

R/W	R/W	R/W	R/W
EDP	EDP	EDP	EDP
SW			
C/L	C/L		
GAS	GAS	GAS	GAS
WTR	WTR	WTR	WTR
COMM	COMM	COMM	
BEC	BEC	BEC	BEC
SEW	SEW	SEW	SEW
SD	SD	SD	SD
F	F	F	F
TV	TV	TV	
STM	STM	STM	
OIL	OIL	OIL	
UNK	UNK	UNK	

RIGHT OF WAY
EDGE OF PAVEMENT
SIDEWALK
CENTERLINE
GAS
WATER
TELEPHONE
ELECTRIC
SANITARY SEWER (SEW)
STORM DRAIN
FENCE / GUARDRAIL
CABLE TV
STEAM
OIL
UNKNOWN UTILITY
RAILROAD

SYMBOLOLOGY

	CAMERA - EXISTING
	CAMERA - PROPOSED
	POLE - PROPOSED
	POLE - EXISTING
	HANDHOLE - EXISTING
	HANDHOLE - PROPOSED
	PEDESTAL - EXISTING
	MANHOLE - EXISTING
	POINT OF INTEREST
	ACCESS POINT
	CULVERT - EXISTING
	FIRE HYDRANT - EXISTING
	WATER MAIN - EXISTING
	WATER VALVE - EXISTING
	GAS VALVE - EXISTING
	DOWN GUY AND ANCHOR
	OVERHEAD GUY
	BORING REQUIRED
	UG CONDUIT - EXISTING

ABBREVIATIONS:

ABAND	Abandoned	MAX	Maximum
APPROX	Approximate	MB	Mailbox
ASPH	Asphalt	MH	Manhole
BLDG	Building	MIN	Minimum
CL	Centerline	MIT	Mitigation
CMP	Corrugated Metal Pipe	MKR	Marker
CO	County	MMV	Meet Me Vault
CONC	Concrete	MON	Monument
CSG	Casing	MOT	Maintenance of Traffic
CT	Count	NO	Number
CULV	Culvert	OC	Open Cut
DB	Directional Bore	PRK MTR	Parking Meter
DBH	Diameter at Breast Height	P/L	Property Line
D.D.	Down Drain	PED	Pedestal
DEPT	Department	PI	Point of Inflection
DIA	Diameter	PKG	Package
DIR	Directional	PVC	Polyvinyl Chloride
DIST	District	RCB	Reinforced Concrete Box
DOC	Depth of Cover	RCP	Reinforced Concrete Pipe
DOT	Department of Transportation	RD MEM	Roadside Memorial
DWG	Drawing	REQD	Required
DWY	Driveway	RGS	Rigid Galvanized Steel
E MH	Electric Manhole	ROW	Right of Way
E MKR	Electric Line Marker	RR	Railroad
E PED	Electric Pedestal	SCB	Sprinkler Control Box
E VLT	Electric Vault	SD	Storm Drain/Curb Inlet
EM	Electric Meter	SDMH	Storm Water Manhole
ENC	Encased	SEC.	Section
ENG	Engineering	SF	Silt Fence
EOP	Edge of Pavement	SMH	Sanitary Sewer Manhole
EPB	Electric Pull Box	SPL	Splice
EXIST	Existing	SS CO	Sanitary Sewer Clean Out
FDH	Fiber Distribution Hub	SS LIFT	Sanitary Sewer Lift Station
FDT	Fiber Distribution Terminal	STA.	Station
FH	Fire Hydrant	STD	Standard
FO	Fiber Optic	STR	Section Township Range
FO MH	Fiber Optic Manhole	SWPPP	Storm Water Pollution Prevention Plan
FO MKR	Fiber Optic Line Marker	T HH	Telecom Handhole
FO VLT	Fiber Optic Vault	T MH	Telecom Manhole
FOC	Face of Curb	T MKR	Telecom Line Marker
FS	Filter Sock	T PED	Telecom Pedestal
G MH	Gas Manhole	T VLT	Telecom Access Vault
G MKR	Gas Line Marker	T.P.	Trench Plug
G SD	Grated Storm Drain	TCB	Traffic Control Box
GALV	Galvanized	TCE	Temporary Construction Easement
GEO SRV MKR	Geodetic Survey Marker	TCV	Traffic Control Vault
GM	Gas Meter	TRF MH	Traffic Control Manhole
GV	Gas Valve	TSP	Traffic Signal Light
GWMW	Groundwater Monitoring Well	TYP	Typical
HDPE	High Density Polyethylene	UG	Underground
HH	Handhole	UNK MH	Unknown Manhole
HWY	Highway	UNK PED	Unknown Pedestal
I.P.	Inlet Protection	UNK UTL MKR	Unknown Utility Marker
ILA	In Line Amplifier	UNK VLT	Unknown Vault
INC	Incorporated	UTL LP	Utility Light Pole
INT	Intermediate	UTL P	Utility Pole
L/A ROW	Limited Access Right of Way	VLT	Vault
LF	Linear Feet	VP	Gas Vent Pipe
LOC MKR	Locating Marker	W MH	Water Manhole
LP	Light Pole	W MKR	Water Line Marker
		W SPG	Water Spigot
		W VLT	Water Vault
		WM	Water Meter
		WV	Water Valve

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FREMONT COUNTY
SHERIFF'S OFFICE

2814 200TH ST
SIDNEY IOWA 51652

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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FLOCK SAFETY EQUIPMENT
INSTALLATION

CASE NUMBER: 985888
PERMITTING JURISDICTION:
IOWA DEPARTMENT OF
TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:
T.02

REV:
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GENERAL & CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL AGENCY SPECIFICATIONS UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY STANDARDS SUPERSEDE.
- CONTRACTOR SHALL ENSURE ALL PROPOSED EQUIPMENT INSTALLED IS IN ACCORDANCE WITH NESC REQUIREMENTS AND CLEARANCES.
- ALL CONSTRUCTION AND/OR MAINTENANCE ON THE iowa DEPARTMENT OF TRANSPORTATION RIGHT OF WAY SHALL CONFORM TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE iowa DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, PLANS PREPARATION MANUAL AND DRAINAGE MANUAL.
- THE PERMITTING AGENCY RESERVES THE RIGHT TO MAKE ADJUSTMENTS TO ANY PERMITTED METHODS OF INSTALLATION, SCOPE OF WORK AND RESTORATION THAT MAY BE REQUIRED TO POSITIVELY SUPPORT LIFE, SAFETY AND ENVIRONMENTAL WELL BEING OF ALL USERS OF THE TRANSPORTATION SYSTEM.
- SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE DEPARTMENT OF TRANSPORTATION STANDARDS, THE ENGINEER/PERMITTEE SHALL IMMEDIATELY CONFER WITH THE DEPARTMENT'S ENGINEER IN ORDER TO RESOLVE THE DISCREPANCY. IN NO CASE WILL ANYTHING LESS THAN THE DEPARTMENTS MINIMUM STANDARDS BE ALLOWED.
- FLOCK SAFETY SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES 48 HOURS PRIOR TO CONSTRUCTION.
 - INSTALLS INVOLVING FLOCK SAFETY PROVIDED POLES, A MINIMUM OF 2' SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES AND STORM DRAIN STRUCTURES.
- THE PERMITTED WORK SCHEDULE IS DEFINED AS MONDAY THROUGH FRIDAY 7:00AM TO 5:30PM UNLESS OTHERWISE NOTED WITHIN THE PERMIT. ANY WORK DESIRED OUTSIDE OF THIS PERIOD MUST BE REQUESTED IN ADVANCE AND APPROVED BEFORE WORKING THE ALTERNATE SCHEDULE.
- FLOCK SAFETY SHALL BE RESPONSIBLE TO APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL STANDARDS AS REQUIRED.
- WORK INVOLVING TEMPORARY LANE CLOSURES ARE TO BE DONE BETWEEN THE HOURS OF 8:00AM AND 5:00PM, MONDAY THROUGH FRIDAY UNLESS OTHERWISE STATED BY THE DEPARTMENT OF TRANSPORTATION.
- CONTRACTOR SHALL PROVIDE SAFE ACCESS PER CURRENT GENERAL STANDARDS FOR ALL PEDESTRIAN TRAFFIC REGULATIONS ON ALL EXCAVATIONS OPENED IN THE TRAFFIC ZONE CONTROL AREA.
- NO PEDESTRIAN PATHWAY IS TO BE REMOVED, BLOCKED, OR DISTURBED WITHOUT HAVING A SUFFICIENT DESIGNATED TEMPORARY PEDESTRIAN PATHWAY WITH ALL APPROPRIATE PEDESTRIAN MAINTENANCE OF TRAFFIC SIGNS IN PLACE PRIOR TO PATHWAY BEING AFFECTED.
 - ALL TEMPORARY PEDESTRIAN PATHWAYS MUST BE FIRM AND UNYIELDING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTY IN THE VICINITY OF THE CONSTRUCTION.
- NO WORK SHALL BE PERFORMED DURING THE WEEKS OF ANY STATE OR FEDERAL HOLIDAYS UNLESS OTHERWISE APPROVED BY THE iowa DEPARTMENT OF TRANSPORTATION.
- ALL WORK ZONES ARE TO BE SET UP AND MAINTAINED BY SOMEONE WHO HAS THE iowa DEPARTMENT OF TRANSPORTATION INTERMEDIATE TRAFFIC CONTROL LEVEL TRAINING OR EQUIVALENT.
- THE PERMITTING AGENCY RETAINS THE RIGHT TO MAKE ALTERATIONS TO THE PERMIT, ATTACHED SKETCH OR CHARACTER OF WORK AS MAY BE CONSIDERED NECESSARY OR DESIRABLE DURING THE PROGRESS OF THE WORK FOR SATISFACTORY COMPLETION OF THE PROPOSED CONSTRUCTION.
- THE PERMITTEE SHALL NOTIFY THE PERMITTING AGENCY OF DATE OF COMPLETION, REQUEST A FINAL INSPECTION AND A NOTICE OF FINAL ACCEPTANCE.
- IF THE PROPOSED CANNOT BE INSTALLED PER THE APPROVED PERMITTED PLAN AND BY GENERAL SPECIFICATIONS, A REVISED PLAN MUST BE PROVIDED TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF PRODUCTS OR MATERIALS AT THE GIVEN LOCATIONS WHERE CONFLICTS OCCUR.
- CONTRACTOR SHALL RESTORE RIGHT-OF-WAY TO EQUAL OR BETTER CONDITION UPON COMPLETION OF WORK AND TO THE SATISFACTION OF THE STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY AT NO ADDITIONAL COMPENSATION.
 - RESTORATION MAY INCLUDE BUT IS NOT LIMITED TO GRADING AND SODDING IN ANY DISTURBED AREA.
 - ANY SIDEWALK DISTURBED WILL BE REPLACED BY SECTION WITHIN 72 HOURS TO THE STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
- IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO GENERAL FACILITIES AND/OR PRIVATE PROPERTY CAUSED BY CONSTRUCTION OF THE PROJECT.
- ALL ROADWAY PAVEMENT, CURBS, GUTTERS AND STORM WATER COLLECTORS WILL BE KEPT FREE OF MUD AND OTHER DEBRIS AT ALL TIMES DURING CONSTRUCTION.
- NO STOCKPILING, STORING OR SEMI PERMANENT USE OF THE RIGHT OF WAY IS AUTHORIZED UNLESS SPECIFICALLY IDENTIFIED WITHIN THE PERMIT.
- THE CONTRACTOR SHALL HAVE AN AUTHORIZED PERSON AVAILABLE AT/OR NEAR THE WORK SITE TO ADDRESS EMERGENCY ISSUES ASSOCIATED WITH THE PROJECT.

ADA COMPLIANCE NOTES:

- ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II AND ALL STATE DEPARTMENT OF TRANSPORTATION AND LOCAL STANDARDS. USE STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS FOR PEDESTRIAN CONTROL PLANS FOR CLOSURE OF SIDEWALK.
- MINIMUM SIDEWALK CLEAR PEDESTRIAN ACCESS ROUTE (PAR) IS 48" WIDE.
- NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK UP TO 7'-0" IN HEIGHT.

DRAWINGS

- THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE FOLLOWING ATTACHED DRAWINGS THAT ARE HEREBY MADE A PART OF THE STATEMENT OF WORK, BY THIS REFERENCE.

SPECIFICATIONS

- THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS CONTAINED IN THAT CERTAIN 'MASTER AGREEMENT, OUTSIDE PLANT MAINTENANCE CONSTRUCTION SERVICES,' PROVIDED THAT SUCH AN AGREEMENT EXISTS BETWEEN FLOCK SAFETY AND CONTRACTOR. IN THE ABSENCE OF SUCH AN AGREEMENT, THE SPECIFICATIONS CONTAINED IN AN AGREEMENT TO BE EXECUTED BY THE PARTIES PRIOR TO THE COMMENCEMENT OF WORK SHALL GOVERN.

MATERIALS

- INSTALLER SHALL RECEIVE FLOCK SAFETY MATERIALS AT A FLOCK SAFETY LEASED WAREHOUSE FACILITY OR AT THE LOCAL TSO LOCATED AT (CONTACT 24 HOURS IN ADVANCE): 1170 HOWELL MILL RD NW, ATLANTA, GA 30318.
 - ALL UNUSED AND REQUESTED SALVAGED MATERIAL TO BE RETURNED TO SAME ADDRESS.
- THE RECEIPT OF ALL MATERIALS SHALL BE CONSTRUED AS CONCLUSIVE EVIDENCE THAT THE CONTRACTOR HAS MADE ALL NECESSARY EXAMINATION AND INSPECTIONS, AND IS SATISFIED AS TO THE QUALITY AND QUANTITY OF MATERIALS RECEIVED.
- ANY AND ALL MATERIALS THAT MAY BECOME LOST, STOLEN OR DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AT HIS SOLE EXPENSE, AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN TIME

SAFETY AND PRECAUTIONS

- ALL PERSONNEL ARE REQUIRED TO ABIDE BY ALL RULES AND REGULATIONS SET FORTH IN THE FLOCK SAFETY REQUIREMENTS, RAILROAD SAFETY CODE AND GOVERNING JURISDICTION.
- THE WORK UNDER THIS INSTALLATION WILL BE CONSTRUCTED ALONG RIGHTS OF WAY THAT MAY CONTAIN EXISTING AND OPERATIONAL UTILITIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND FOR COMPLIANCE WITH THE REQUIREMENTS OF ANY STATEWIDE AND/OR LOCAL AREA IN ADVANCE OF ANY EXCAVATION, BORING OR PLACING WORK AND THE CONTRACTOR SHALL LOCATE AND EXPOSE BY HAND ALL EXISTING SUBSURFACE PLANT. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT HIS SOLE EXPENSE AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN THE TIME OF THE CONTRACT.
- INSTALLER SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF PUBLIC AND PRIVATE PROPERTIES. INSTALLER SHALL PROTECT, SHORE, BRACE, SUPPORT AND MAINTAIN ALL UNDERGROUND PIPES, CONDUITS, DRAINS AND OTHER SUBSURFACE STRUCTURES UNCOVERED OR OTHERWISE AFFECTED BY THE WORK.
- INSTALLER SHALL BE RESPONSIBLE FOR ALL DAMAGE TO STREETS, ROADS, HIGHWAYS, SHOULDERS, DITCHES, EMBANKMENTS, CULVERTS, BRIDGES OR OTHER PUBLIC OR PRIVATE PROPERTY OR FACILITY, REGARDLESS OF LOCATION OR CHARACTER, WHICH MAY BE CAUSED BY THE WORK, OR BY MOVING, HAULING, OR OTHERWISE TRANSPORTING EQUIPMENT, MATERIALS OR WORKERS TO OR FROM WORK OR ANY SITE THEREOF, WHETHER BY THE CONTRACTOR OR SUBCONTRACTORS.

STAKING AND SCHEDULING

- ALL STAKING WILL BE PROVIDED BY FLOCK SAFETY. REQUIRED RIGHT OF WAY CLEARING SHALL BE COMPLETED PRIOR TO STAKING. THEREFORE, THE INSTALLER SHALL COORDINATE ALL CLEARING AND PLACING OPERATIONS WITH THE FLOCK SAFETY PROJECT SUPERVISOR TO AVOID DELAYS AND INTERFERENCE.
- FLOCK SAFETY WILL PROVIDE RAILROAD, FLAGMEN AND SIGNALMEN AS REQUIRED; HOWEVER, THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE ITS NEEDS FOR SUCH SIGNALMEN AND FLAGMEN WITH FLOCK SAFETY.
- IN ADDITION TO THE SCHEDULING REQUIREMENTS IN THE GENERAL PROVISIONS, UPON REQUEST THE CONTRACTOR SHALL ALSO SUBMIT TO THE FLOCK SAFETY PROJECT SUPERVISOR, DAILY CREW ASSIGNMENT REPORTS SPECIFYING CREW AND CREW COMPOSITION AND WORK LOCATION.

PERMITS

- FLOCK SAFETY HAS OBTAINED OR WILL OBTAIN PERMITS FROM DEPARTMENTS AND/OR AGENCIES OF CITIES, COUNTIES, STATES, FEDERAL GOVERNMENT, RAILROAD OR OTHER ENTITIES, WHICH PROVIDE FOR THE PLACING OF PIPES AND/OR CABLE UNDER DITCH, TRACKS AND ROADS AND PLACING PIPES AND/OR CABLE ALONG AND WITHIN PUBLIC OR PRIVATE ROAD RIGHTS OF WAY AND RAILROAD RIGHTS.
- CONTRACTOR SHALL OBTAIN ADDITIONAL PERMITS, IF REQUIRED, FOR EQUIPMENT ACCESS OR MOVEMENT ON PUBLIC ROADS AND RAILROADS. COPIES OF SUCH PERMITS SHALL BE FURNISHED TO FLOCK SAFETY. ALL TRAFFIC CONTROL, IF APPLICABLE, SHALL BE IN ACCORDANCE WITH LOCAL, STATE, COUNTY, OR PERMITTING AGENCY LAWS, REGULATIONS, AND REQUIREMENTS, AND WILL BE THE CONTRACTOR'S RESPONSIBILITY. TRAFFIC CONTROL PLANS PROVIDED BY CURRENT iowa DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS.

SCOPE OF WORK

- THIS PROJECT SHALL CONSIST OF THE FOLLOWING OPERATIONS: THE WORK PACKAGE IS FOR THE INSTALLATION OF FLOCK SAFETY EQUIPMENT WHICH INCLUDES BUT IS NOT LIMITED TO: FLOCK SAFETY PROVIDED POLES, POLE MOUNTED SOLAR PANELS, AND EXTERNAL BATTERY PACKAGES.

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FREMONT COUNTY
SHERIFF'S OFFICE

2814 200TH ST
SIDNEY IOWA 51652

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
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0	03/07/2025	MMA	PRELIM

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FLOCK SAFETY EQUIPMENT
INSTALLATION

CASE NUMBER: 985888
PERMITTING JURISDICTION:
IOWA DEPARTMENT OF
TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET: GN.01	REV: 0
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LOCATION DATA

SHEET#	NAME	LATITUDE	LONGITUDE	NEAREST ADDRESS	DEVICE	POLE TYPE	EXTERNAL BATTERY
A.01	F#001 Hwy 2 @ 211 th Ave WB	40.68950809	-95.78847955	2111 Sapp Brothers Dr, Percival, Iowa, 51648 United States	PICARD	X2 Redi Torque - Soil Plate	N/A
A.02	F#002 Hwy 2 @ 195 Ave - EB	40.68918155	-95.79140386	2506 210th Ave, Percival, Iowa, 51648 United States	PICARD	Existing Traffic Signal Pole	Penguin Pack

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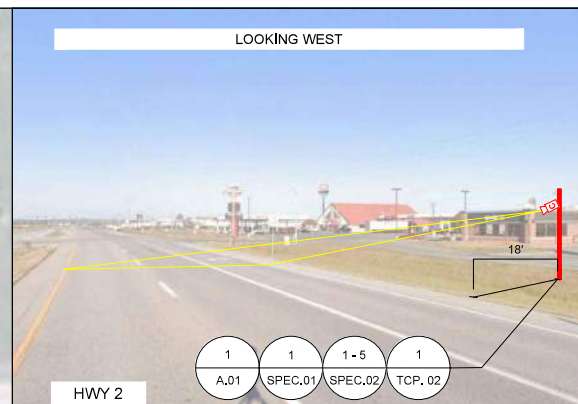
FLOCK SAFETY EQUIPMENT
INSTALLATION

CASE NUMBER: 985888
PERMITTING JURISDICTION:
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COVER SHEET & LOCATION MAPS

SHEET: GN.02	REV: 0
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*REFERENCE TYPICAL DETAIL ON SHEET SPEC.01



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TRANSPORTATION

SHEET:
A.01

REV:
0

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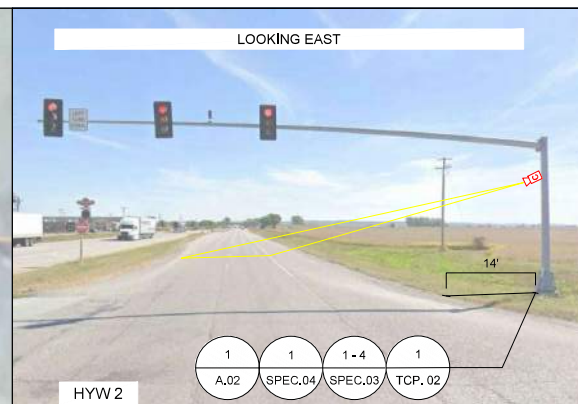
PROPOSED FLOCK EQUIPMENT ON EXISTING TRAFFIC CONTROL SIGNAL

F#002 HWY 2 @ 195 AVE - EB

40,68918154747919.-95,79140386426738

14' FROM EDGE OF PAVEMENT

*REFERENCE TYPICAL DETAIL ON SHEET SPEC.04



LOOKING EAST

HYW 2

1	1	1+4	1
A.02	SPEC.04	SPEC.03	TCP. 02

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FREMONT COUNTY
SHERIFF'S OFFICE

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flock safety

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FLOCK SAFETY EQUIPMENT
INSTALLATION

CASE NUMBER: 985888
PERMITTING JURISDICTION:
IOWA DEPARTMENT OF
TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:
A.02

REV:
0

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FLOCK SOLAR PANEL
ON POLE TOP MOUNT
*SEE 2/SPEC.02

BATTERY PACK (MAX OF 2)
AND COMPUTE BOX INSTALLED
BEHIND SOLAR PANEL
*SEE 3,4/SPEC.02

FLOCK SAFETY CAMERA
*SEE 1/SPEC.02

DESIGN NOTES

- POLE AND FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:
 - 2009/2012/2015/2018/2021 INTERNATIONAL BUILDING CODE
 - AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMIN, TRAFFIC SIGNALS, 2015 EDITION.
- POLE ANALYSIS AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWING CRITERIA:
 - DESIGN WIND SPEED (V_{ult}): (SEE SECTION 2.6)
 - RISK CATEGORY: II
 - EXPOSURE CATEGORY: C
 - TOPOGRAPHIC CATEGORY: 1
 - SEISMIC DESIGN CRITERIA:
 - SOIL SITE CLASS: D (ASSUMED)
 - SPECTRAL RESPONSE, S_s: 1.000g (MAXIMUM)
 - SPECTRAL RESPONSE, S₁: 0.400G (MAXIMUM)
 - SEISMIC DESIGN CATEGORY: B
- STRUCTURE BASE REACTIONS ARE CALCULATED AS FOLLOWS:

DESIGN WIND SPEED (MPH)	MOMENT (K-FT)	SHEAR (KIP)	AXIAL (KIP)
115	2.70	0.280	0.160
125	3.20	0.330	0.160
135 (MAX)	3.70	0.380	0.160

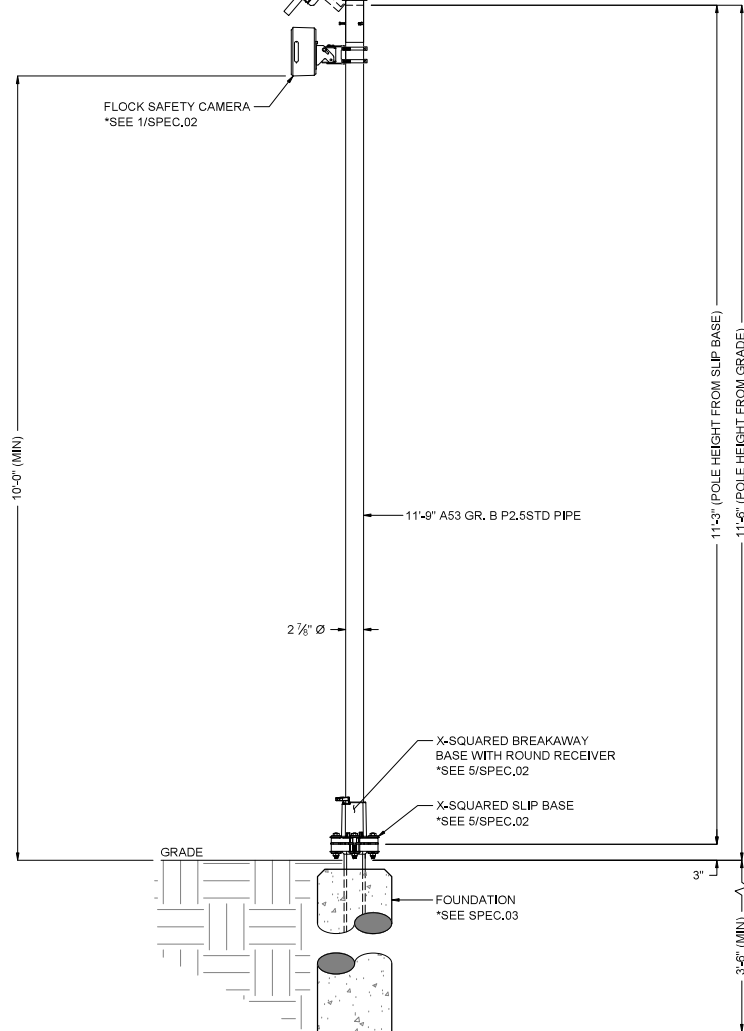
- SHOULD ANY OF THE SITE-SPECIFIC PARAMETERS BE HIGHER THAN WHAT IS NOTED ABOVE, THE EOR SHALL BE CONTACTED TO PROVIDE A REVISED DESIGN.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO INSTALLATION.
- FOUNDATION TO CONSIST OF CONCRETE SURROUNDING THE PROPOSED POLE WITH A MINIMUM OF 3,000-PSI COMPRESSIVE STRENGTH.

GENERAL & CONSTRUCTION NOTES

- CONTRACTOR SHALL CONTACT DESIGNATED AGENCY TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION.
- ALL WORK SHALL CONFORM TO APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION STANDARDS SUPERSEDE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS DEFINED BY THE STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION, UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.

ADA COMPLIANCE NOTES

- ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II, STATE DEPARTMENT OF TRANSPORTATION, AND LOCAL JURISDICTION STANDARDS.
- STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS SHALL BE USED FOR PEDESTRIAN CONTROL PLANS WHEN CLOSURE OF SIDEWALK IS REQUIRED FOR CONSTRUCTION.
- MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.
- NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK, UP TO AN ELEVATION OF 7'-0" ABOVE GRADE.



1 POLE ELEVATION DETAIL
SCALE: 1/20

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FREMONT COUNTY
SHERIFF'S OFFICE

2814 200TH ST
SIDNEY IOWA 51652

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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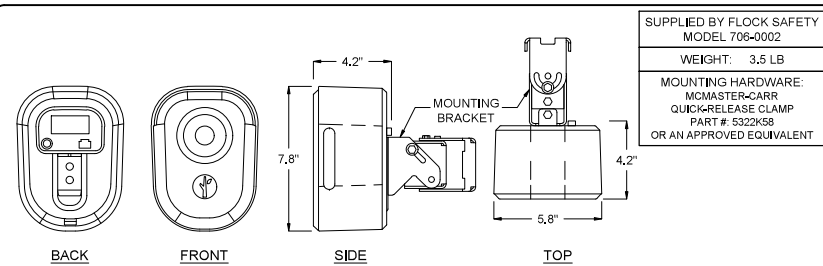
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FLOCK SAFETY EQUIPMENT
INSTALLATION

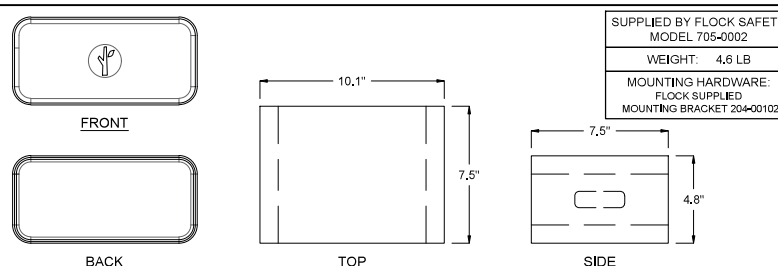
CASE NUMBER: 985888
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COVER SHEET & LOCATION MAPS

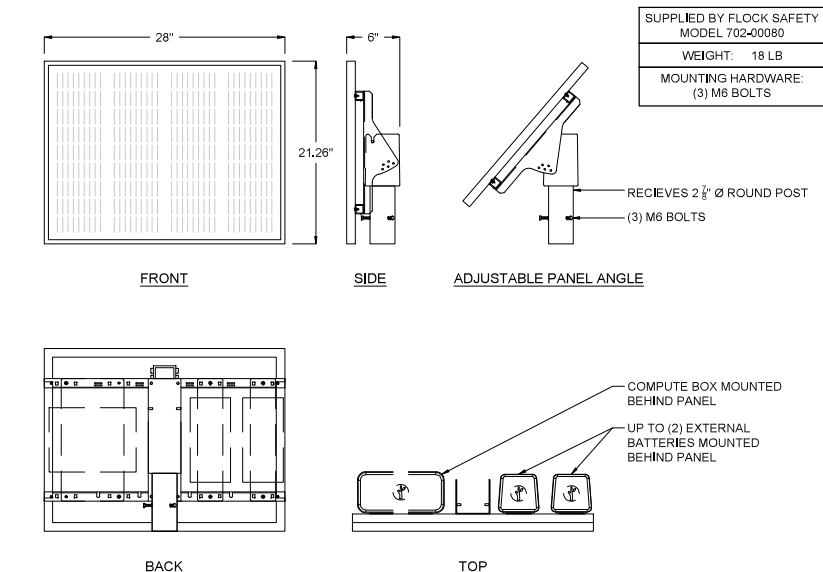
SHEET: SPEC.01	REV: 0
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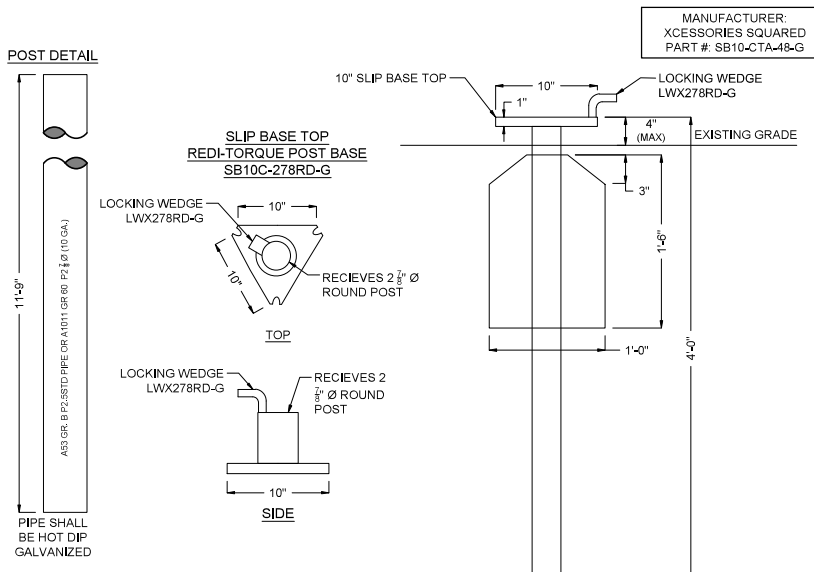
1 FLOCK SAFETY CAMERA
SCALE: N/A



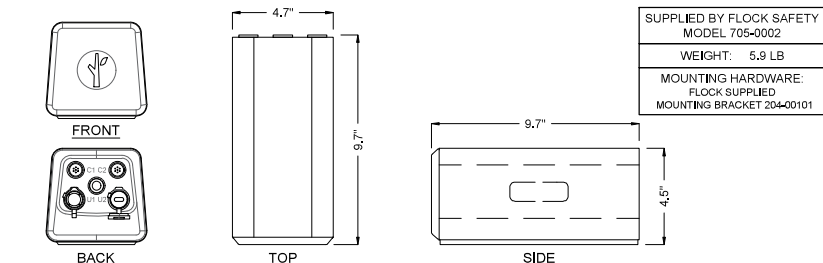
4 FLOCK COMPUTE BOX
SCALE: N/A



2 65 WATT SOLAR PANEL AND MOUNT ASSEMBLY (TOP MOUNTED)
SCALE: N/A



5 WINGED UNIBASE BREAKAWAY POLE BASE (SEE SPEC.03)
SCALE: N/A



3 FLOCK EXTERNAL BATTERY
SCALE: N/A

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flock safety
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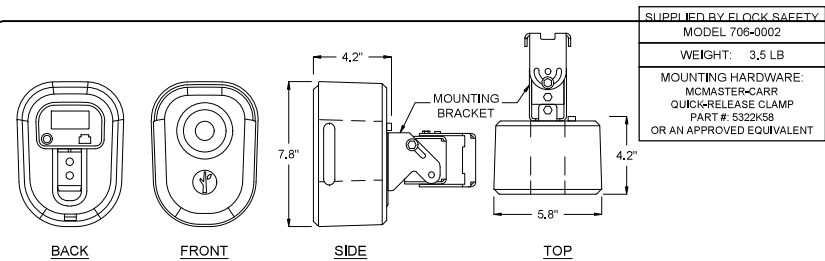
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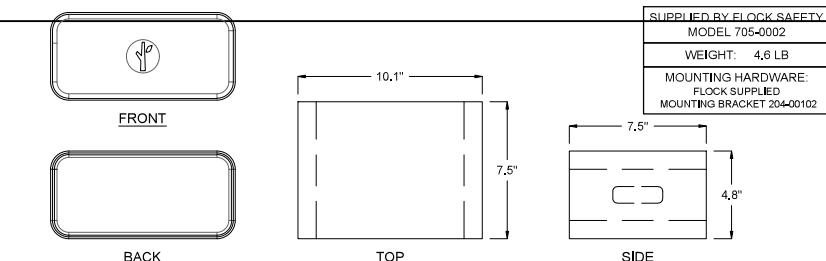
FLOCK SAFETY EQUIPMENT
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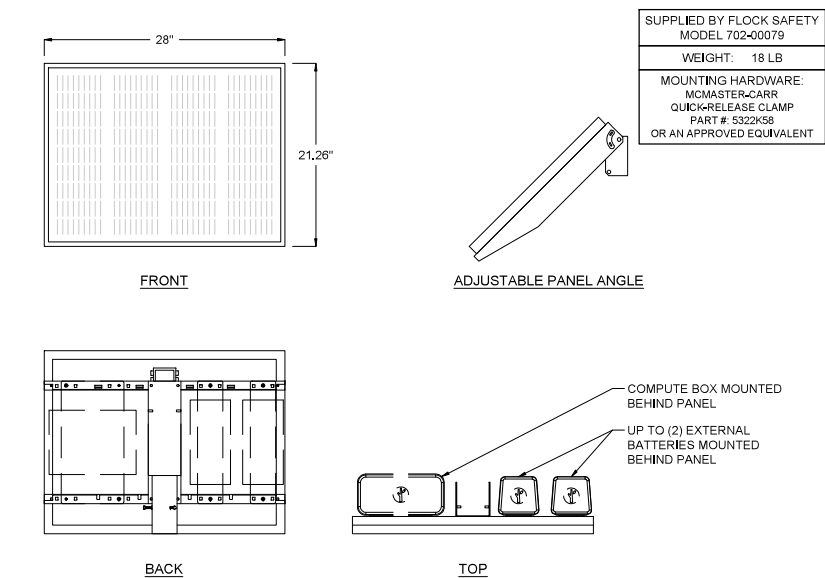
COVER SHEET & LOCATION MAPS	
SHEET: SPEC.02	REV: 0



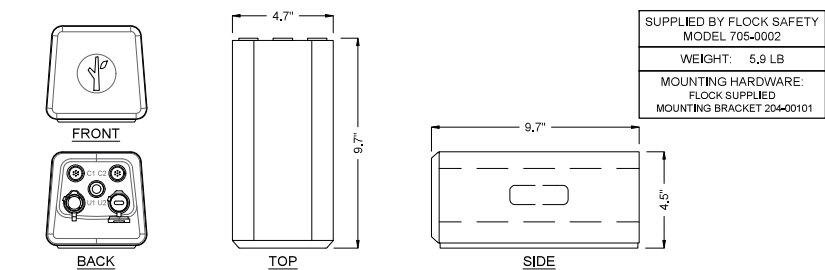
1 FLOCK SAFETY CAMERA
SCALE: N/A



4 FLOCK COMPUTE BOX
SCALE: N/A



2 65 WATT SOLAR PANEL AND MOUNT ASSEMBLY (SIDE MOUNTED)
SCALE: N/A



3 FLOCK EXTERNAL BATTERY
SCALE: N/A

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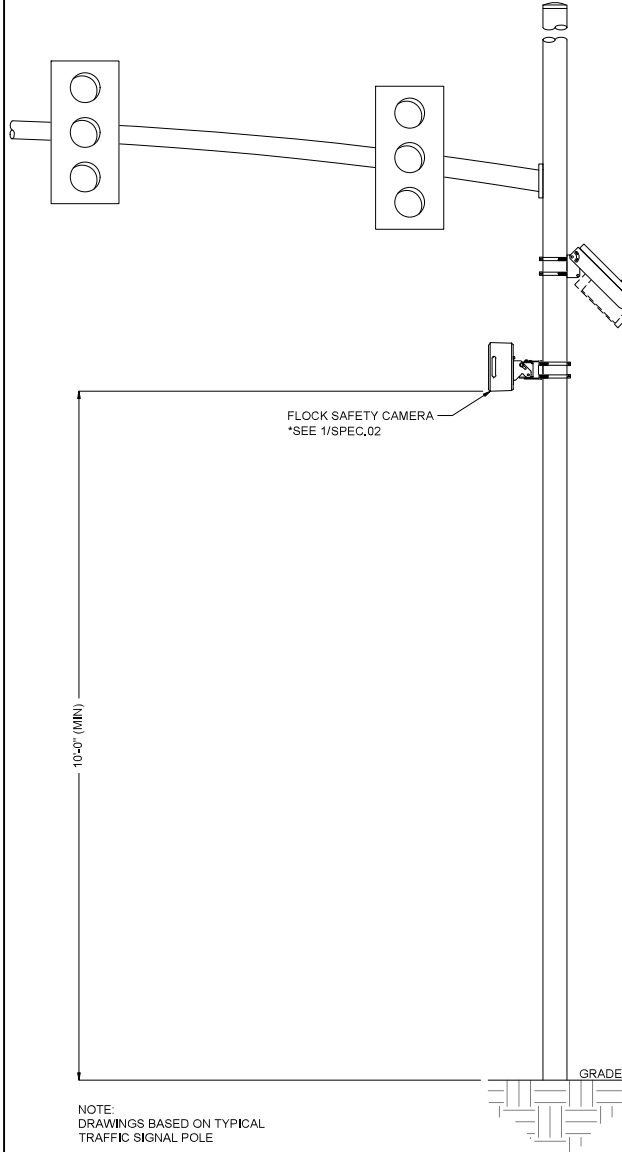
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FLOCK SAFETY EQUIPMENT
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GENERAL & CONSTRUCTION NOTES

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FLOCK SOLAR PANEL
ON POLE SIDE MOUNT
*SEE 2/SPEC.02

BATTERY PACK (MAX OF 2)
AND COMPUTE BOX INSTALLED
BEHIND SOLAR PANEL
*SEE 3,4/SPEC.02

FLOCK SAFETY CAMERA
*SEE 1/SPEC.02

10'-0" (MIN)

GRADE

NOTE:
DRAWINGS BASED ON TYPICAL
TRAFFIC SIGNAL POLE

1

POLE ELEVATION DETAIL

SCALE: N/A

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FLOCK SAFETY EQUIPMENT
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CASE NUMBER: 985888
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COVER SHEET & LOCATION MAPS

SHEET: SPEC.04	REV: 0
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INSTALLATION GUIDE REDI-TORQUE MODEL 280 OMNI DIRECTIONAL SLIP BASE (COMBINATION ANCHOR WITH LOWER SLIP PLATE). RECEIVES ROUND SIGN SUPPORT

RT280U-RD1

MASH-16 COMPLIANT FOR INTERSECTIONS AND MAINLINE ROADWAYS
NCHRP 350 CRITERIA - FHWA ACCEPTANCE LETTERS SS-134 & SS-134A

November 15, 2022

XCESSORIES SQUARED DEV. & MFG. CO., INC. AUBURN, IL 62615
TEL: (800) 621-7948 FAX: (217) 438-3917 www.x-sqrd.com

PARTS LIST

A: Unibase - Lower Slip Plate

ITEM	QTY	DESCRIPTION
A	1	Combination Anchor/Lower Slip Plate

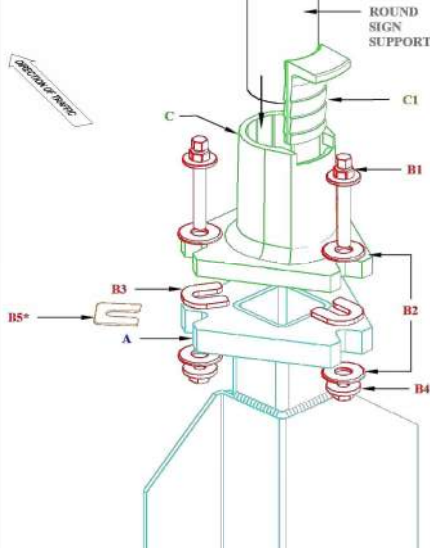
B: Redi-Torque Match Plate Hardware

ITEM	QTY	DESCRIPTION
B1	3	1/2"-13 x 3" Gr. 8 Redi-Torque Bolt
B2	6	5/8" U.S.S. Flat Washer
B3	3	3/16" thick, Teflon Coated Slip Washer
B4	3	1/2"-13 Gr. 8 large diameter Flange Nut
B5*	0	3/16" thick Leveling Shim

* may not be necessary for every installation

C: Upper Slip Plate Sub-Assembly

ITEM	QTY	DESCRIPTION
C	1	Top Receiver for Round Sign Support
C1	1	Round Sign Support Locking Wedge



STEP A

1. Install appropriate Unibase (A) plumb & squared up with road, with point of triangular slip plate facing oncoming traffic.



2. Depth of embedment to leave 2 1/2" (+1 1/2" - 1/2") from grade to top of Lower Slip Plate of Unibase (A).
NOTE: For soil or concrete installation options, see details at lower left.
NOTE: If installing in concrete, auger the footing hole shallow enough to be able to drive 3-4 inches of Unibase (A) into the bottom of the hole. This will help stabilize the unit as concrete is being poured and cured while also allowing for proper drainage.
NOTE: On multi-leg installations, be sure that all Unibases are squared & lined up with each other.

STEP B

1. Place one each teflon coated Slip Washer (B3) on top of Lower Slip Plate of Unibase (A) at each notched point with open end of slot facing center of triangular slip plate. Leave enough room between the closed ends of the slot/notch to allow 3/16" Redi-Torque Bolt (B1) to pass through.
2. Place Upper Slip Plate (C) onto the three Slip Washers (B3) properly indexed so that the round post receiver notched portion is pointing toward oncoming traffic.
3. Slide 1 each 3/16" Flat Washer (B2) on to each Redi-Torque Bolt (B1) then insert Bolt (B1) with Washer (B2) down through notched points of Upper Slip Plate (C), slot of Slip Washer (B3) and notched point of Lower Slip Plate of Unibase (A).
4. Slide 1 each 3/16" Flat Washer (B2) up on exposed thread of each Bolt (B1) followed by threading 1 each 1/2" Flange Nut (B4) on to each Bolt (B1) as tight as can reasonably be attained using the 3/4" (larger) hex and NOT the 1/2" (smaller) hex.

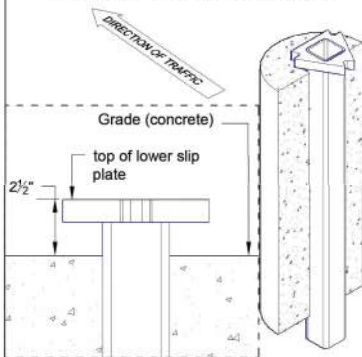
STEP C

1. Insert Round Sign Support into Upper Slip Plate (C) top receiver until support bottoms out.
2. With a hand held hammer, drive the round sign support Locking Wedge (C1) into the Slip Base Top (C) receiver at the pre-determined notch. (The Locking Wedge does not need to be driven flush with top of Upper Slip Plate receiver)
***SHIMMING:** Before moving on to step 3, check the plumb of the sign support(s). If necessary, 3/16" thick Leveling Shim(s) (B5) may be used at the appropriate point(s) between slip plates. To re-plumb, loosen Bolt (B1) at desired point enough to lean the Upper Slip Plate (C) back and slide Leveling Shim (B5) into place. Shim(s) should be placed under Teflon Coated Slip Washer. Maximum of 2 each Leveling Shims per notched point.
3. After Locking wedge (C1) is securely in place, loosen each Bolt (B1) and Nut (B4), one at a time, then retighten each Bolt (B1), using the 3/16" (smaller) hex, until the 3/16" hex head twists off from the 3/4" hex head. This will set the proper torque level of 52 ft-lbs.



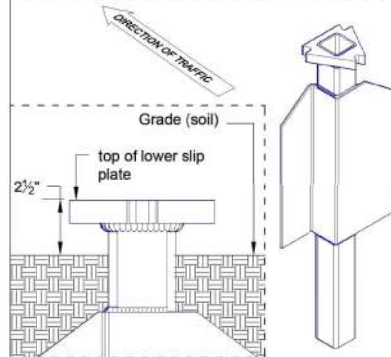
1. UP TO A MAXIMUM OF THREE OMNI DIRECTIONAL SLIP BASES WITH REDI-TORQUE MODEL 280 MATCHPLATE HARDWARE MAY BE INSTALLED WITHIN A SEVEN FOOT SPAN ON MAINLINE ROADWAY.
2. FOR ADDITIONAL WINDLOAD CAPABILITY, A HEAVIER GAUGE POST MAY BE USED.

CONCRETE INSTALLATION DETAIL



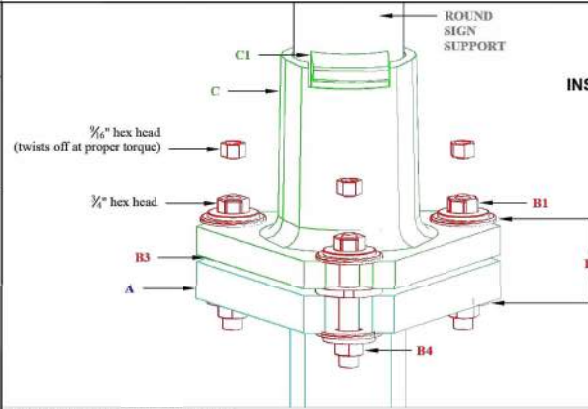
NOTE: Recommended footing size a minimum of 12" in diameter and 30" deep.

DIRECT DRIVEN SOIL INSTALLATION DETAIL



NOTE: Install with the widest bearing surface of the stabilizing wing parallel with the face of the sign.

INSTALLED VIEW (FRONT)



REINSTALLATION PROCEDURE:

- NOTE:** All match plate hardware components are generally reusable except the Redi-Torque Bolts (B1)
1. Remove sign support Locking Wedge (C1) from Upper Slip Plate (C) receiver with a hand held hammer.
 2. Place Upper Slip Plate (C) on Lower Slip Plate of Unibase (A) to check for warpage and level of slip plates.
 3. Visually check all welds and castings for fractures or other damage.
 4. When assured both Lower Slip Plate (A) and Upper Slip Plate (C) are reusable employ new or reused hardware (B) with NEW Redi-Torque Bolts (B1) then follow installation procedures, starting with STEP B.

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FREMONT COUNTY
SHERIFF'S OFFICE

2814 200TH ST
SIDNEY IOWA 51652

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	03/07/2025	MMA	PRELIM

I HEREBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

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FLOCK SAFETY EQUIPMENT
INSTALLATION

CASE NUMBER: 985888
PERMITTING JURISDICTION:
IOWA DEPARTMENT OF
TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET: SPEC.05	REV: 0
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GENERAL TCP NOTES & TABLES

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND IOWA DEPARTMENT OF TRANSPORTATION STANDARDS.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF IOWA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS.
3. TRAFFIC CONES SHALL NOT INTERFERE WITH EXISTING DRIVEWAYS, SCHOOL ZONES, OR BUS STOPS.
4. ALL TEMPORARY TRAVEL LANES SHALL BE A MINIMUM OF 10' WIDE.
5. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
6. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
7. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
8. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
10. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
11. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
12. SIDEWALK CLOSED SIGNS ARE TO BE PRESENT ANYTIME A PEDESTRIAN WALKWAY IS CLOSED.
13. WHERE IT HAS BEEN DETERMINED THAT THE ACCOMMODATION OF PEDESTRIANS WITH DISABILITIES IS NECESSARY, SIGNS SHALL BE MOUNTED AND PLACED IN ACCORDANCE WITH SECTION 4.4 OF THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAAG)"
14. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE CONTRACTOR BASED UPON CONSTRUCTION CONDITIONS.
15. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
16. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
17. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
18. DIMENSIONS BASED ON RECORD DRAWINGS AND NOT A SURVEY.
19. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
20. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.
21. TABLES AND SIGNAGE DISPLAYED SHALL COMPLY WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CHAPTER 6.

TABLE 6C-1. RECOMMENDED ADVANCE WARNING SIGN MINIMUM SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS** (FT)		
	A	B	C
URBAN (LOW SPEED)*	100	100	100
URBAN (HIGH SPEED)*	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* SPEED CATEGORY TO BE DETERMINED BY HIGHWAY AGENCY

** THE COLUMN HEADING A,B AND C ARE THE DIMENSION SHOWN IN FIGURES 6H-1 THROUGH 6H-46 IN CHAPTER 6H OF THE MUTCD, THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGNS, THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS,THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS, (THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TTC ZONE, THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TTC ZONE.)

TABLE 6C-2. STOPPING SIGHT DISTANCE AS A FUNCTION OF SPEED

SPEED (MPH)	DISTANCE (FT)
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

* POSTED SPEED, OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED

TABLE 6C-3. TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES

TYPE OF TAPER	TAPER LENGTH
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5 L
SHOULDER TAPER	AT LEAST 0.33 L
ONE-LANE, TWO-WAY TRAFFIC TAPER	50 FT MINIMUM, 100 FT MAXIMUM
DOWNSTREAM TAPER	50 FT MINIMUM, 100 FT MAXIMUM

NOTE: USE TABLE 6C-4 TO CALCULATE L

TABLE 6C-3. TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES

SPEED (S)	TAPER LENGTH (L) IN FEET(FT)
40 MPH OR LESS	L = WS ² /60
45 MPH OR MORE	L = WS

WHERE: L = TAPER LENGTH IN FT W= WIDTH OF OFFSET IN FT
S= POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH.

LICENSE PLATE READER CAMERA
INSTALLATION

CASE NUMBER: 985888
PERMITTING JURISDICTION:
IOWA DEPARTMENT OF TRANSPORTATION

frock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	03/07/2025	MMA	PRELIM

I HERBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

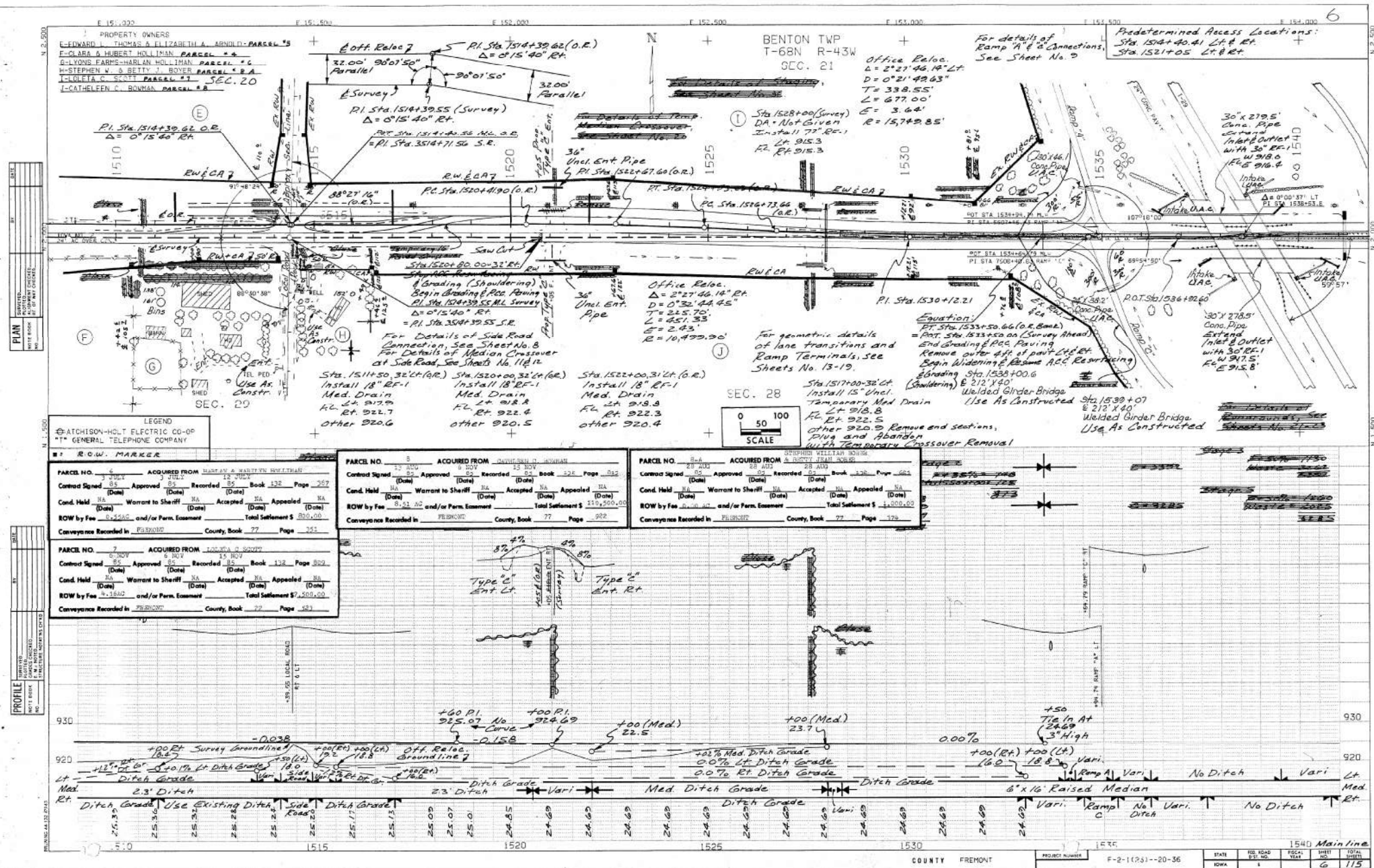
FREMONT COUNTY SHERIFF'S OFFICE

2814 200TH ST
SIDNEY IOWA 51652

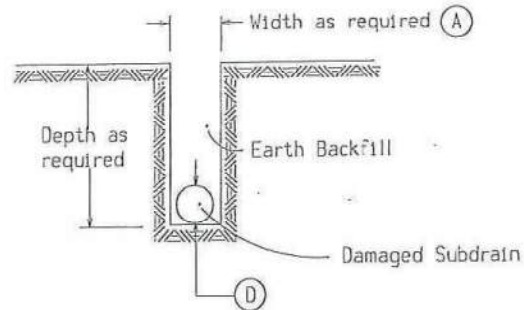
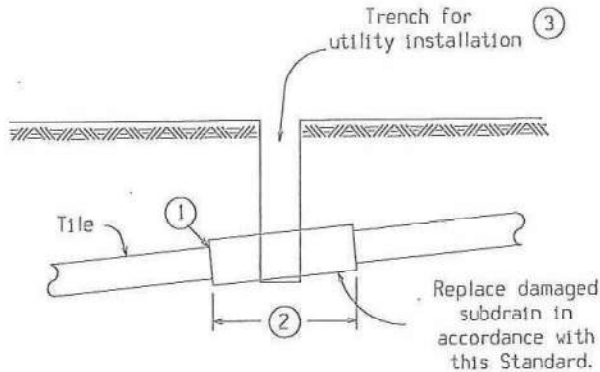
COVER SHEET & LOCATION MAPS

SHEET:
TCP.01

REV:
0



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 (1)	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 assuming 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.

Table 2601.03-1: Rural Stabilizing Crop Seeding Rates and Schedule

March 1 through October 31	
Oat	50 lbs. per acre
Grain rye	50 lbs. per acre
Canada wildrye (<i>Elymus canadensis</i>)	5 lbs PLS. per acre
November 1 through February 28 (or 29)	
Oat	62 lbs. per acre
Grain rye	62 lbs. per acre
Canada wildrye (<i>Elymus canadensis</i>)	7 lbs. PLS. per acre
For stabilizing crop only, Canada wildrye (<i>Elymus canadensis</i>) seed will not be required to be certified as Source Identified Class (Yellow Tag) Source G0-Iowa.	
Canada wildrye (<i>Elymus canadensis</i>) seed shall be debearded or equal to facilitate application of seed.	

Table 2601.03-2: Urban Stabilizing Crop Seeding Rates

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.	

Table 2601.03-3: Permanent Seed Rates, Rural Areas

Fescue, Tall	100 lbs. per acre
Ryegrass, Perennial	75 lbs. per acre
Bluegrass, Kentucky	20 lbs. per acre

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.	



511 Request Form

Email NEW 511 entries to IowaDOT.Traffic@iowadot.us. Updates and/or changes to the current 511 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 email (Keven.Arrowsmith@iowadot.us).

General Information

Requester: _____ E-mail address: _____

Does this project include [Intelligent Work Zones](#)? ☐ Yes ☐ No

Responsible RCE Office:

☐ Cedar Rapids

☐ Davenport

☐ Marshalltown

☐ Chariton

☐ Fairfield

☐ Mason City

☐ Cherokee

☐ Grimes

☐ New Hampton

☐ Council Bluffs

☐ Jefferson

☐ Sioux City

☐ Creston

☐ Manchester

☐ Other

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

DOT Project Number (if applicable) _____

DOT Permit Number, if issued (for contractors) _____

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/Countries _____

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

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

Describe the impact on traffic

☐ Closed

☐ Left 3 lanes closed

☐ Ramp partially closed

☐ Closed intermittently

☐ Center lane closed

☐ Exit ramp partially closed

☐ Intermittent lane closure

☐ Center 2 lanes closed

☐ Entrance ramp partially closed

☐ Opposing traffic

☐ Center 3 lanes closed

☐ Ramp closed (systems interchange)

☐ Right lane closed

☐ Right shoulder closed

☐ Local road closures in area

☐ Right 2 lanes closed

☐ Left shoulder closed

☐ Single lane traffic alternating directions

☐ Right 3 lanes closed

☐ Both shoulders closed

☐ Slow moving maintenance vehicle

☐ Left lane closed

☐ Exit ramp closed

☐ Left 2 lanes closed

☐ Entrance ramp 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

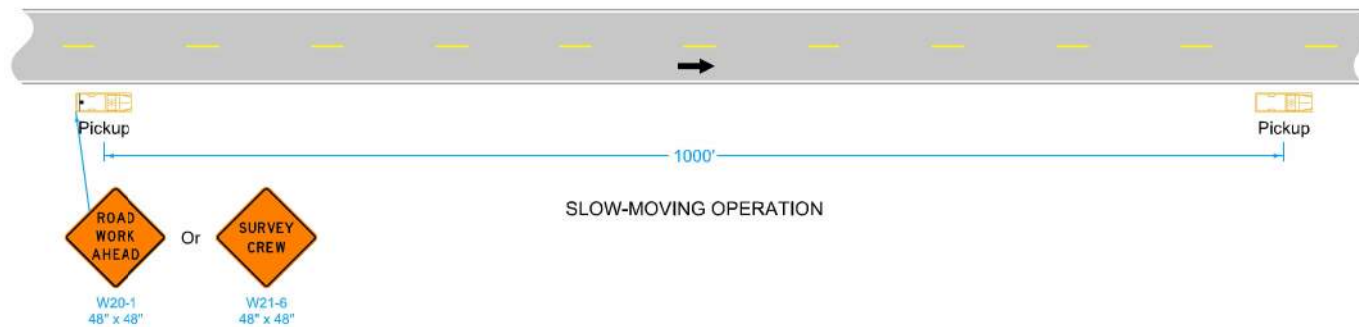
Will there be portable DMS tied to this project? ☐ Yes ☐ No

Do not allow work to interfere with the flow of traffic.

When parked, locate vehicles as far from the open traffic lane as possible. Entrances and driveways should be used whenever appropriate.

Equip all vehicles with an amber revolving light or amber strobe light.

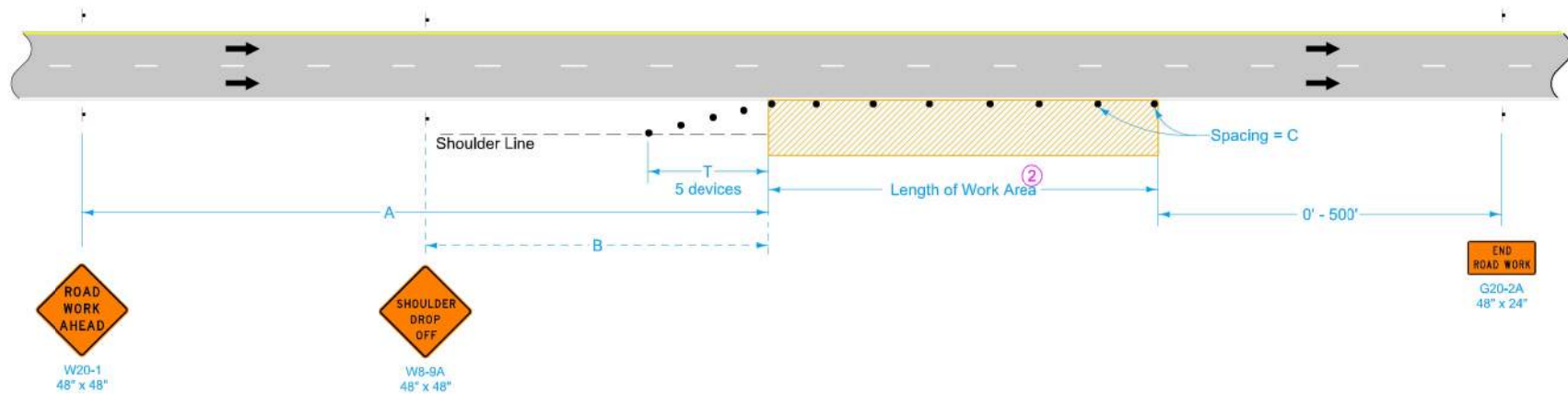
① For work lasting longer than one hour, refer to TC-202 or TC-402.



Possible Contract Item:
Traffic Control

IOWA DOT STANDARD ROAD PLAN	REVISION 3 10-15-19	
	TC-1 SHEET 1 of 1	
REVISIONS: New logo.		
APPROVED BY DESIGN METHODS ENGINEER <i>[Signature]</i>		
WORK NOT AFFECTING TRAFFIC (TWO-LANE OR MULTI-LANE)		

LEGEND	
	Traffic Sign
	Direction of Traffic



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.

Possible Contract Item:
Traffic Control

LEGEND	
	Traffic Sign
	42" Channelizer
	Work Area
	Direction of Traffic

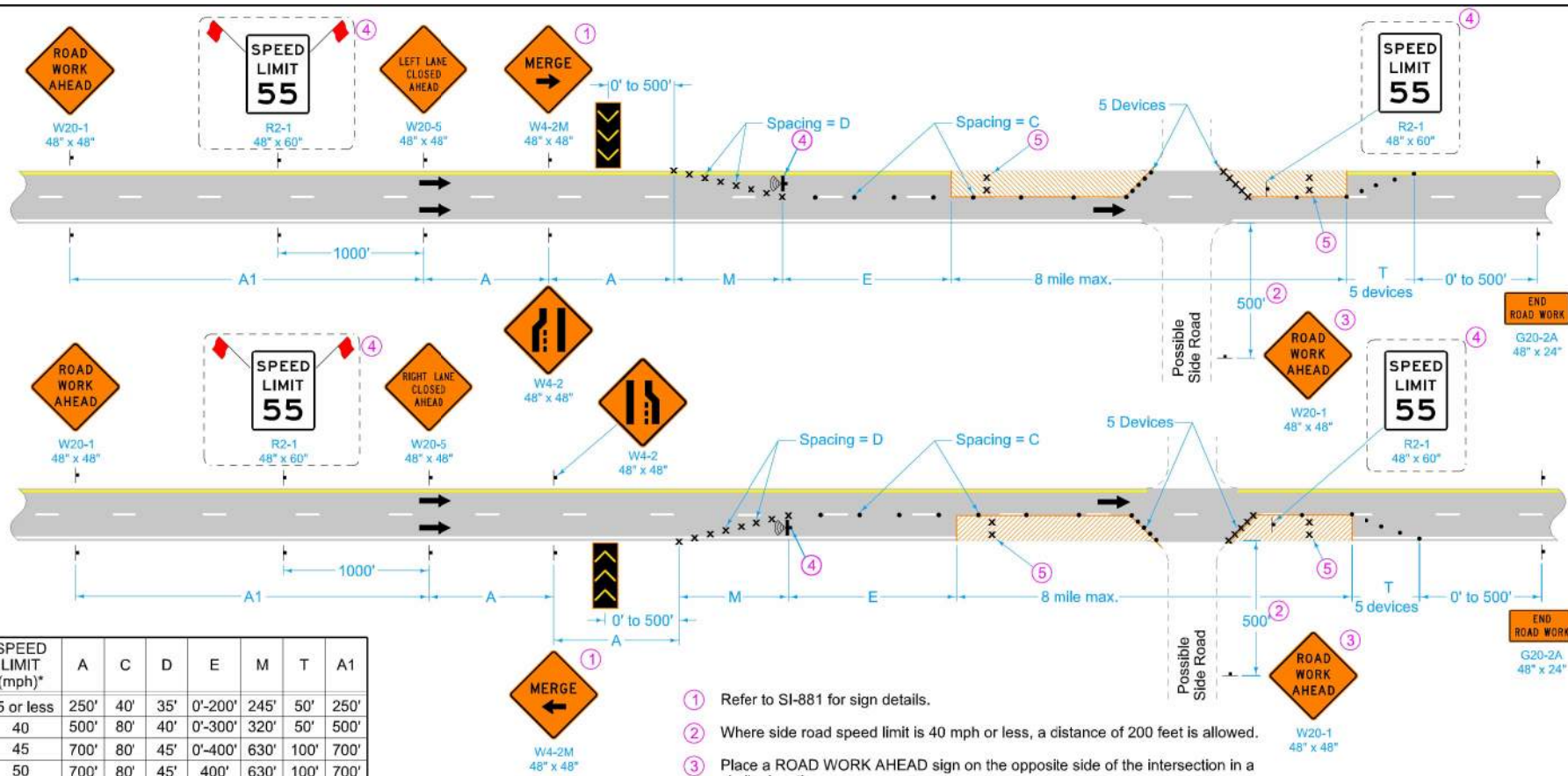
SPEED LIMIT (mph)*	A	B	C ^②	T
40 or less	500'	250'	40'	100'
45 - 50	700'	350'	80' ^①	200'
55 - 60	1500'	500'	100' ^①	200'
65 - 70	1500'	500'	100' ^①	230'

* Speed Limit refers to regulatory speed limit before road work.

^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.

	REVISION	
	10	4-18-23
	TC-402	
STANDARD ROAD PLAN		
SHEET 1 of 1		
REVISIONS: Added speed limit note.		
APPROVED BY DESIGN METHODS ENGINEER		
WORK WITHIN 15 FT OF TRAVELED WAY		



SPEED LIMIT (mph)*	A	C	D	E	M	T	A1
35 or less	250'	40'	35'	0'-200'	245'	50'	250'
40	500'	80'	40'	0'-300'	320'	50'	500'
45	700'	80'	45'	0'-400'	630'	100'	700'
50	700'	80'	45'	400'	630'	100'	700'
55 - 60	1000'	100'	55'	600'	770'	100'	2000'
65 - 70	1000'	100'	65'	700'	910'	100'	2000'

* Speed Limit refers to regulatory speed limit before road work.

LEGEND

- ➔ Direction Of Traffic
- ⊢ Traffic Sign
- x Drum
- 42" Channelizer
- Ⓢ Speed Feedback Sign
- ➔➔➔➔ Arrow Board
- Work Area

Where there is a lane line drop-off or rise, do not allow traffic to cross over the drop-off or rise, except for ramp locations where a BUMP (W8-1) sign is placed.

Lane line drop-offs greater than a nominal 4 inches are not allowed during non-working hours.

- 1 Refer to SI-881 for sign details.
- 2 Where side road speed limit is 40 mph or less, a distance of 200 feet is allowed.
- 3 Place a ROAD WORK AHEAD sign on the opposite side of the intersection in a similar location.
- 4 For roadways with a posted speed limit of 60 mph or greater before road work:
 - Place SPEED LIMIT 55 signs prior to the lane closure as shown.
 - When the length of closure is greater than 1 mile, install SPEED LIMIT 55 signs in the closed lane at 1-mile intervals.
 - Remove or cover all existing signs that conflict with 55 mph speed limit while 55 mph speed limit is in effect.
 - For traffic control zones lasting more than 4 hours, place a Speed Feedback Sign at the end of the merge taper.
- 5 For lanes closed to traffic, place two drums every 1000 feet. For full depth excavations in a closed lane, place two drums in front of each location. Additional drums need not be placed for full depth excavations spaced closer than 150 feet.

Possible Contract Item:
Traffic Control

STANDARD ROAD PLAN

REVISIONS: Added speed limit note.

APPROVED BY DESIGN METHODS ENGINEER

LANE CLOSURE ON DIVIDED HIGHWAY

REVISION	
15	4-18-23
TC-418	
SHEET 1 of 1	