

April 15, 2019

Iowa Communications Network Attn: Tim Flickinger 400 E 14th St Des Moines, IA 50319

Dear Mr. Flickinger,

Enclosed is a copy of an approved permit 64A-2019-008, Application And Agreement For Use Of Highway Right Of Way For Utilities Accommodation on US 30 at Sta. 339+03.

Please note any changes or stipulations we have made, if any.

Please notify the maintenance supervisor, 48 hours in advance.

If you have any questions, please feel free to call.

Sincerely,

Deanna Smyth-Peters Access/Utilities Specialist

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Attachment DJSP/djsp

CC:

Access & Utility Policy Specialist Mark Stephens-Marshalltown Maintenance Supervisor Marshall County Engineer File

COMA DOTAPPLICATION AND AGREEMENT FOR USE OF HIGHWAY RIGHT-OF-WAY FOR UTILITIES ACCOMMODATION

Form 810025 (03-16)	WAI KIGI	11-01-447	TI TOR OTIL	IIILO ACC	OMINIO	DAITOI	
FOR DEPARTMENT USE ONLY			WANT WANT	BANK .			ANS I
Parmil Number 16411-2019-008	Highway Num	30			County	shall	
NHS-30.5 (97)	19-6	4			Expiration/Complet	5 2	2
APPLICANT (INDIVIDUAL OR COMPANY)	KAT LA LA BEN		ACCOUNT OF THE PARTY OF THE PAR	120 Sept 10-10			With the last
Tim	Aiddle Iridal	Flickinger			515-725-	4699	Ext
Company Name		Thokingo			Phone Number	1077	Ext.
Iowa Communications Network (ICN)					515-725-	4692	
Street Address			City/Town		State	ZIP Code	
400 E 14th Street			Des Moines		IA	50319	
e-Mai Address		Secondar	y e-Mail Address				
timothy.flickinger @iowa.gov							
INSTALLATION TO BE ACCOMMODATED Approval is hereby requested to enter within the sta and further described as follows.	te highway righ	t-of-way for the	accommodation of	a utility installation	on as detaile	d on the at	tachments
The installation shall consist of:							
Marshalltown PD & Fire Phase 2							-
ICN OSP Log #64190305							1
(1) 2" HDPE bored conduit and fiber optic cable a sheets.	long the east si	ide of IA-14 cre	ossing US-30 at the	IA-14 & US-30	interchange	e. See attac	hed plan
6							
2							
and shall be located as shown on the detailed Utility Accommodation Policy for submittal of	d plan attache detailed plan	d hereto. (Se requirements	e current Iowa De See Section 115.8	epartment of (3).)	Transporta	ation	
WORK SITE LOCATION							
The proposed work as described above is loc	ated in Section	on <u>14</u>	, Twp				
			enerally located	5.55	(miles)	East	
(direction) from IA-330 & US-30 interchange			e, or other landma		osed is mo	ore	
specifically located as being from 98.70	,	(Milepost			Highway S		
	339+03	Highway Stat	1. The same of the		% श्रिष्टमार्ग		
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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 pertinent 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 lowa 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

- The installation shall meet the requirements of local municipal, county, state, and federal franchise rules and regulations, regulations and directives of the lowa State Commerce Commission; the lowa Department of Natural Resources, all rules and regulations of the Department and any other laws or regulations applicable.
- 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.
 As per Section 115.8(8) of the Utility Accommodation Policy, As-Built plans are due within 90 days after completion of construction,

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.

We can only accept this document on legal size (8 1/2" x 14") paper due to recording requirements by lowa Code.

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.
- 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.
- 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
- 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.
- 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 lowa 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
- 3. 511 Notification-In accordance with lowa 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 lowa 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 lowa DOT Maintenance garage and call the Traffic Management Center per attached documents. Except in emergency situations, a 10 day advance notice is required.
- 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:

Permit Number:	
	-

FOR DEPARTMENT USE ONLY

No access from its freeway or ramps

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 granted for said within the time frame stated shall render this agreement and request null and yold. The undersigned also agrees to save

Tim Flickinger	the lowa Department of Transpor	/	******		
Name of Owner (Print or Type)	Tuty T	n	Telecon	municatio	ns Engineer
Iowa Communications Network			Date	10/10	(%)
e-Mail Address	<u> </u>		TI	16/19	
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CITY ACTION (IF PROPOSED V	VORK IS WITHIN AN INCORPORA			Min all	A BOOK ON THE STATE OF THE STAT
The undersigned city joins in the condition that all of the covenants	grants embodied in the above perm	nit executed by the lowa	Department of	Transporta	ition on
of the undersigned city and recon	nmends action on said permit applic	ation as noted below by	f Transportation	n shall inur	e to the benefit
Recommend Approval	O Do Not Recommend App	roval	O	None Req	uired
Handwritten Signature	Title		Date		
Sype or Print Name —	onan Civil En		41.	12/20	019
	cman	Authorized Official for the City of	Paishal	11	
e-Mail Address	CMAN	/-	16151al	How	7
6 bateman p	maishalltown - ia.	604			
- Control of the Cont	ED WORK CROSSES COUNTY RIC	SHT-OF-WAY, COUNTY	ACTION IS RE	EQUIRED)	
The undersigned county joins in	the grants embodied in the above po	ermit executed by the lov	va Department	of Transpo	ortation on
of the undersigned county and re	s and undertakings therein running to commends action on said permit app	the Iowa Department of	Transportation	shall inur	e to the benefit
Recommend Approval	Do Not Recommend Appr		by the delegate	d county of None Reg	official".
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	Site Plan & Attachments Checklist for IDOT Utilities Accommodation Permit
	Plans showing IADOT Highway Centerline, Highway Number, DOT Stationing and Milepost are required.
√	Visible orientation (North Arrow) and identifying landmarks are required.
✓	Clearly identify Right Of Way (ROW) line with horizontal distance from highway centerline shown, including all breakpoints and changes in the ROW distances.
	Provide Iowa One Call design request information. (Minimally, the list of utilitities)
✓	List all of the existing utilities in the installation area. Describe how your installation will address existing utilities that are in conflict, and show all observable existing features, such as power poles, pedestals, markers, handholes, trees, etc.
√	Show all Construction features/Bore Pits with the running line and horizontal distance from roadway edge or centerline. (showing Clear Zone compliance) http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf
1	Show the start/stop stationing and depths or elevations for all bores, longitudinal and transverse.
1	Show the start/stop stationing and depths or elevations for all plowing locations.
1	Show casing start/stop locations, lengths, diameter, and material if casings are used.
✓	Show all facilities that are to be installed on the site plan. This includes pedestals, wire, conduit, poles, guy anchors, junction boxes, handholes and manholes. ALL MUST BE REFERENCED BY DOT Stationing and distance from centerline.
/	Show where installation starts and stops, leaves ROW, stops at existing pedestal, pole, etc. Use IADOT stationing and distance from centerline of the start and stops.
	Identify any physical focal points, posts, pedestals, shutoffs, overflow valves, hydrants, etc.
1	Describe any other work to accomplish installation before, during and/or after installation, including: removal of brush/trees, removal of underbuild, construction of access, fence removal, fence replacement, etc.
1	Identify unusual issues to be pointed out on the site plan. CLARITY IS THE KEY, we can't assume you will do it if it is not shown in the plan.
	<u>Attachments</u>
	Proper Traffic Control Standards (IADOT TCxxx Series Standard plans preferred) Available at - http://www.iowadot.gov/design/stdplne_tc.htm
	Required Height / Depth Typical (Supplied by the Department)
	Tile Repair Guide (Rural Locations) (Supplied by the Department)
	Special Seeding Requirements and Erosion Control (Supplied by the Department)
	511 Lane Restriction Requirements (If lane restriction is anticipated) (Supplied by the Department)
	If paper applications are submitted, at least 2 sets of site plans (11 x 17 preferred) and 1 original of the permit application with all original signatures (Scanned and emailed copies are accepted)

ALL ITEMS MUST BE LEGIBLE FOR REVIEW AND FOR RESCANNING PURPOSES

Special Requirements

All Material or equipment shall be kept 10 feet off of the Right of Way during work hours.

Right of Way shall be restored at the end of each working day.

No open holes or dirt piles shall be left on Right of Way during non –working hours.

No parking on the shoulders.

No digging into the side slopes of any road or highway shall be allowed.

Proper traffic control must be used at all times.

761—115.16 (306A) Longitudinal installations on freeways.

115.16(1) Type of installation permitted.

- The department may permit the installation of an underground utility facility if, in addition to complying with other provisions of this chapter, the facility specifically complies with this
- Except as provided in this rule, no aboveground installations other than those Ъ. needed to serve highway facilities are allowed.

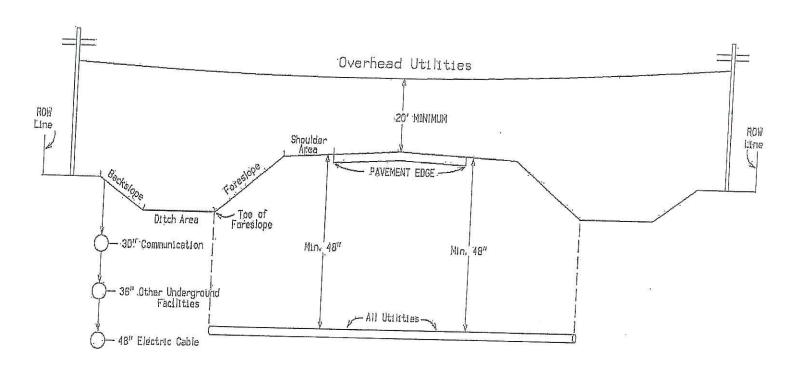
115.16(2) Prohibitions on longitudinal occupancy.

- A utility facility shall not be used for transmitting gases or liquids or for transmitting products that are flammable, corrosive, expansive, highly energized or unstable.
- A utility facility shall not present a hazard to life, health or property if it fails to function properly, is severed or is otherwise damaged.
 - No direct service connection to adjacent properties is allowed. C.
- d. No utility facility is allowed in or on a structure carrying a freeway roadway or ramp, except for freeway border bridges, as provided in subrule 115.12(5).
- 115.16(3) Minimal maintenance. Once installed, the utility facility shall require minimal maintenance.
- 115.16(4) Location and depth. The utility facility shall be located on uniform alignment, preferably within eight feet of the freeway right-of-way line, and at a location approved by the
 - See subrule 115.13(1) for minimum depth requirements. a.
- Ъ. Except for multiduct systems, borings and isolated locations as determined by the department, cable shall be installed by the plowing method.
- Utility accesses and splice boxes may be placed below the existing ground line. The location and number of installations are subject to department approval.

115.16(5) Identification signs, pedestals and repeater stations.

- The utility owner shall place identification signs within 12 inches of the right-of-way fence, at the line of sight, along the entire occupancy route. These signs shall identify the owner/operator's name, telephone number to contact in case of an emergency, and the type of buried
 - (1)The signs shall be composed of an ultraviolet-resistant material.
 - Each sign shall be no larger than 200 square inches. (2)
- The interval between signs shall not exceed one-quarter mile in rural areas and 500 (3) feet in urban areas, or as designated by the department.
- Additional signs shall be placed on each side of a public highway, road or street intersecting or crossing the freeway at points where the freeway right-of-way line intersects the public highway, road or street right-of-way line.
- The utility owner is responsible for installing and maintaining these identification (5) signs.
- Aboveground pedestals are permissible. Pedestals should be placed one foot from the right-of-way fence. The number of installations is subject to department approval.
 - Repeater stations are not allowed in the right-of-way.
- 115.16(6) Metallic warning tape. Metallic warning tape shall be installed a minimum of 12 inches below the existing grade and above the utility installation to facilitate locating the installation
- 115.16(7) Engineering. The utility owner shall retain the services of a licensed, professional engineer.

Minimum Policy Requirements Rural Section Non-Freeway Highway



Notes:

Utilities shall be locted between the toe of foreslope and the highway row line. Utilities should be located as near to the highway row line as practical. See Utility Policy, Section 115.13 for further details.

Acceptable Clear Zone Distances (feet) (Based on AASHTO Roadside Design Guide, 4th edition)

NAME OF THE OWNER O	A STREET OF STREET		FORESLOPES	MARRIEN		BACKSLOPES	Walkaria .
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
	ADT < 750	7	7	**		M 10 10000M	natter
40 mph or less	750 ≤ ADT < 1500	10	12	**	7	7	7
	1500 ≤ ADT < 6000	12	14	**	10	10	10
	ADT ≥ 6000	14	16	**	12	12	12
	ADT < 750	10	12	**	14	14	14
45 – 50 mph	750 ≤ ADT < 1500	14	16	**	8	8	10
oo mpir	1500 ≤ ADT < 6000	16	20	**	10	12	14
	ADT ≥ 6000	20	24	-	12	14	16
	ADT < 750	12		**	14	18	20
55 mph	750 ≤ ADT < 1500	16	14	**	8	10	10
oo mpn	1500 ≤ ADT < 6000	20	20	**	10	14	16
	ADT ≥ 6000	22	24	**	14	16	20
	ADT < 750		26	**	16	20	22
	750 ≤ ADT < 1500	16	20	**	10	12	
60 mph	1500 ≤ ADT < 6000	20	26	**	12	16	14
	ADT ≥ 6000	26	30	**	14	18	20
		30	30	**	20	24	24
	ADT < 750	18	20	drife	10		26
55 – 70 mph	750 ≤ ADT < 1500	24	28	**	12	14	14
	1500 ≤ ADT < 6000	28	30	**	16	18	20
	ADT ≥ 6000	30	30	**	1.2.000	22	26
					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.

511 Information Required

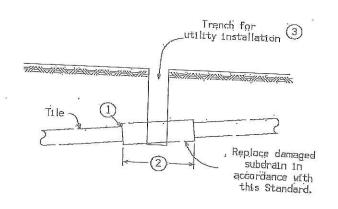
Before setting up a lane closure or a vertical/horizontal restriction of any kind on a primary highway extension, call your local Iowa DOT maintenance garage to discuss timing and date of the closure/restriction. Once the maintenance garage concurs with the timing and date, call the Iowa DOT Traffic Management Center (TMC) at 515-237-3300. The TMC will put the information in the 511 system, office.

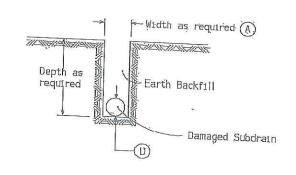
The following information is required to er system.	nter a maintenance/construction event into the lowa DOT 5
	Contact number:
Project description:	
Project begin location (detailed description incl	
	markers).
24 hour project contact:	,
Describe the impact on traffic:	Phone
☐ Closed ☐ Closed intermittently ☐ Intermittent lane closure ☐ Alternating lane closures ☐ Reduced to one lane ☐ Reduced to two lanes ☐ Reduced to three lanes	 □ Right lane closed □ Left lane closed □ Center lane closed □ Right shoulder closed □ Left Shoulder closed □ Exit ramp closed □ Entrance ramp closed

 ☐ Two center lanes are closed ☐ Left exit ramp closed ☐ Shoulder closed ☐ Bridge closed ☐ Intersecting road closed ☐ Local road closures in area ☐ Left lane of exit ramp closed 	 ☐ Road construction ☐ Work in the median ☐ Opposing traffic ☐ Single lane traffic alternating directions
Additional project information (pilot car, flagger, etc.)	:
Will there be temporary overhead signals? (15' stand	dard height restriction)
If yes, please provide the location of the temporary or	verhead signals in the space provided.
Are there any other width as I	
Are there any other width or height restrictions: ☐ Yes ☐ No	
_ 155 🗀 140	
Are there any other width or height restrictions: ☐ Yes ☐ No If yes, please describe:	
If yes, please describe:	
If yes, please describe:	
If yes, please describe: Additional public website comments:	
If yes, please describe: Additional public website comments:	
If yes, please describe: Additional public website comments: Project beginning date and time:	
If yes, please describe: Additional public website comments: Project beginning date and time:	
If yes, please describe: Additional public website comments: Project beginning date and time: Project ending date and time:	
If yes, please describe: Additional public website comments: Project beginning date and time:	Nights

*

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 clovations:

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.

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* 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

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:

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

- 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 lowa 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 throug	th October 34
Grain rye Canada wildrye (Elymus canadensis)	50 lbs. per acre 50 lbs. per acre 5 lbs PLS. per acre
November 1 through	February 28 (or 29)
Oat Grain rye Canada wiidrye (Elymus canadensis)	62 lbs. per acre 62 lbs. per acre 7 lbs. PLS. per acre
For stabilizing crop only, Canada wildrye (required to be certified as Source Identified Canada wildrye (Flymus canada vildrye)	Elymus canadensis) seed will not be
Canada wildrye (Elymus canadensis) seed facilitate application of seed.	I shall be debearded or equal to

Table 2601.03-2: Urban Stabilizing Crop Seeding Rates

Bluegrass, Kentucky ¹	126 lbs. per acre
Ryegrass, Perennial (turf-type variety) ² Fescue, Cresping Red	40 lbs. per acre
	16 lbs per sere
I. Choose three different cultivers of Vant.	relar blue man di sa
Choose three different cultivars of Kentueach. Choose two different cultivars of turf-typace each.	chy diregrass, at 42 bs. per acre

Table 2601.03-3: Permanent Seed Rates, Rural Areas

Fescue, Tall (Fawn)	manent seed Rates, Rural Areas
Ryegrass, Perennial (Linn)	100 lbs. per acre
Bluegrass, Kentucky	75 lbs. për adre
Lans Angs, Rennick	20 lbs. per acre

Table 2601.03-4: Permanent Seed Rates, Urban Areas

oluegrass, Kentucky ¹	126 lbs. per acre
Ryegrass, Perennial (turf-type variety) ² Fescue, Creeping Red	40 lbs. per acre
	18 lbs. per acre
Choose three different cultivars of Kentuck Choose two days.	by bluegrass, at 42 the per gara and

- cultivars of Kentucky bluegrass, at 42 lbs. per acre each.
- 2. Choose two different cultivars of turf-type perennial ryegrass, at 20 lbs. per acre

