000I-271 INTERSTATES 29, 90 & 229 MINNEHAHA & LINCOLN COUNTIES MOWING

PCN I3A7, I3A8 & I3A9 R 50 W R 49 W Z 259 ST 000I-271 **INTERSTATE 90** MRM 394.84 to MRM 401.00 DOT 000I-271 262 ST **INTERSTATE 29** 60TH ST MRM 72.81 to MRM 84.55 \Box 263 ST 🛡 RUSSELL ST MADISON ■ 6TH ST NW. Z SIOUX **FALLS** 26TH ST 266 ST POP. 153,888 WESTERN B 10 *η*< 475 MARION 267 ST 4IST 3SINO 49TH 11 33 268 ST Н 57TH ST ∄U∤∎N 269 ST 000I-271 **INTERSTATE 229** [115] MRM 0.00 to MRM 11.10 ⊅ Z **DESIGN DESIGNATION** 271 ST **PROJECT** <u>190</u> 17,341 ADT(2012) 39,170 30,183 TEA Ø ADT(2032) 69.701 28.225 53.429 DHV 7,998 3,422 6,144 272 ST D 100% 100% 100% T DHV 6.7% 7.5% 4.7% **STORM WATER PERMIT** 14.7% 16.4% 10.3% T ADT (29) (None required) 65 MPH 65 MPH 32 65 MPH

Sheet 1 of 42

000I-271 MINNEHAHA & LINCOLN COUNTIES INDEX OF SHEETS

Sheet 1	Layout Map
Sheet 2	Index of Sheets
Sheet 3	Estimate of Quantities
Sheet 4	Table of Mowing
Sheets 5 - 7	Plan Notes
Sheets 8 - 42	Mowing Layouts

0001-271 MINNEHAHA & LINCOLN COUNTIES ESTIMATE OF QUANTITIES

2014 - PCN I3A7

Bid Item Number	ltem	Quantity	Unit
009E0197	Mobilization 1	1	Each
900E2300	Mowing (Total of all 3 Mowing Cycles)	3048.9	Acre

2015 - PCN I3A8

Bid Item Number	ltem	Quantity	Unit
009E0198	Mobilization 2	1	Each
900E2300	Mowing (Total of all 3 Mowing Cycles)	3048.9	Acre

2016 - PCN I3A9

Bid Item Number	ltem	Quantity	Unit
009E0199	Mobilization 3	1	Each
900E2300	Mowing (Total of all 3 Mowing Cycles)	3048.9	Acre

TABLE OF MOWING

			ANNUAL MOWING ACRES			ES
LOCA	TION		1ST *	2ND	3RD	ANNUAL
MRM TO		AREA TO BE MOWED	MOWING	MOWING	MOWING	TOTALS:
IVITATIVI	O IVIKIVI		CYCLE	CYCLE	CYCLE	TOTALS:
		129				
72.81	74.01	Tea Interchange Exit 73	21.3	36.4	36.4	94.1
74.01	74.65	Between Exit 73 and Exit 75	9.0	18.5	18.5	46.0
74.65	75.74	I29 Systems Interchange Exit 75	23.0	51.3	51.3	125.6
75.74	76.24	Between Exit 75 and 57th Street	5.2	10.3	10.3	25.8
76.24	77.05	Between 57th Street and 41st Street	10.1	18.8	18.8	47.7
77.05	77.81	41st Street Interchange Exit 77	13.3	21.9	21.9	57.1
77.81	78.34	26th Street Interchange Exit 78	12.4	32.1	32.1	76.6
78.34	78.82	Between 26th Street and 12th Street	5.2	7.5	7.5	20.2
78.82	79.53	12th Street Interchange Exit 79	13.9	17.3	17.3	48.5
79.53	80.02	Between 12th Street and Madison Street	6.2	13.0	13.0	32.2
80.02	80.73	Madison Street Interchange Exit 80	13.6	23.8	23.8	61.2
80.73	82.00	Russell Street Interchange Exit 81	31.7	84.0	84.0	199.7
82.00	82.77	Benson Road Interchange Exit 82	14.1	22.3	22.3	58.7
82.77	83.89	60th St North Interchange Exit 83	22.9	81.1	81.1	185.1
83.89	84.55	129 Systems Interchange Exit 84	23.7	41.7	41.7	107.1
		I29 TOTALS (ONE YEAR):	225.6	480.0	480.0	1185.6
		190				
394.84	396.10	Marion Road Interchange Exit 395	26.4	75.6	75.6	177.6
396.10	396.98	I90 Systems Interchange Exit 396	14.9	32.9	32.9	80.7
396.98	397.85	Between Kiwanis Avenue and Big Sioux River	10.1	26.8	26.8	63.7
397.85	399.11	Between Big Sioux River and Cliff Avenue	15.9	35.0	35.0	85.9
399.11	400.16	Cliff Avenue Interchange Exit 399	18.1	28.1	28.1	74.3
400.16	401.00	190 Systems Interchange Exit 400	14.5	40.6	40.6	95.7
		I90 TOTALS (ONE YEAR):	99.9	239.0	239.0	577.9
		1229	•			
0.00	0.08	I229 Systems Interchange	13.5	58.0	58.0	129.5
0.08	0.39	Between Solberg Avenue and Louise Avenue	4.9	8.2	8.2	21.3
0.39	1.26	Louise Avenue Interchange Exit 1C	23.8	78.3	78.3	180.4
1.26	1.81	Between Louise Avenue and Western Avenue	6.7	21.4	21.4	49.5
1.81	2.36	Western Avenue Interchange Exit 2	11.4	20.9	20.9	53.2
2.36	2.78	Between Western Avenue and Minnesota Avenue	5.4	9.9	9.9	25.2
2.78	3.32	Minnesota Avenue Interchange Exit 3	12.0	22.7	22.7	57.4
3.32	3.85	Between Minnesota Avenue and Cliff Avenue	6.9			32.5
3.85	4.69	Cliff Avenue Interchange Exit 4	16.1	34.1	34.1	84.3
4.69	5.31	26th Street Interchange Exit 5	13.8	33.0	33.0	79.8
5.31	6.40	Between 26th Street and 12th Street	9.0	25.0	25.0	59.0
6.40	7.44	10th Street Interchange Exit 6 and North	11.7	29.1	29.1	69.9
7.44	8.53	Rice Street Interchange Exit 7 and North	17.5	53.1	53.1	123.7
8.53	9.15	North of Big Sioux River and North	8.3	23.9	23.9	56.1
9.15	9.70	Benson Road Interchange Exit 9	16.4	51.0	51.0	118.4
9.70	10.47	Between Benson Road and 60th Street North	10.2	24.7	24.7	59.6
10.47	11.10	I229 Systems Interchange Exit 10	10.6	37.5	37.5	85.6
		I229 TOTALS (ONE YEAR):	198.2	543.6	543.6	1285.4
		MOWING CYCLE TOTALS (ONE YEAR):	523.7	1262.6	1262.6	3048.9
		3 YEAR TOTALS:		3787.8	3787.8	9146.7
	* 1ST MOWING CYCLE consists of median and 30' cuts adjacent to					
			•			
	shoulders on all mainline, ramps, crossroads and service roads.					

DESCRIPTION OF WORK

The work shall consist of mowing grass and other vegetation within the right-of-way of Interstates 29, 90 and 229 looping the City of Sioux Falls as shown in these plans.

CONTRACT REQUIREMENTS

The Contractor shall be considered an Independent Contractor and shall comply to all labor regulations pertaining to the employment of his employees and assume responsibility for withholding of all monies applicable for fringe benefits and for applicable taxes for his employees. All employees of the Contractor shall be deemed the Contractor's employees for purpose of the Workers Compensation Act and not as employees of the State of South Dakota.

The Contractor shall maintain occurrence based commercial general liability insurance or equivalent form with a limit of not less than one million dollars (\$1,000,000) each occurrence. If such insurance contains a general aggregate limit it shall apply separately to this contract or be no less than two times the occurrence limit.

The Contractor shall maintain business automobile liability insurance or equivalent form with a limit of not less than one million dollars (\$1,000,000) each accident. Such insurance shall include coverage for owned, hired and non-owned vehicles.

The Contractor shall procure and maintain workers' compensation and employers' liability insurance as required by South Dakota law.

Prior to commencement of work under this contract, the Contractor shall furnish the Department with properly executed Certificates of Insurance, which shall clearly evidence all insurance required in this contract and provide that such insurance shall not be canceled, except on 30 days written notice to the Department. The Contractor shall furnish copies of insurance policies if requested by the Department.

The Contractor shall hold harmless and indemnify the State of South Dakota, its officers, agents and employees from and against any and all action, suits, damages, liability or other proceedings which may arise as the result of performing services hereunder. This section does not require the Contractor to be responsible for of defend against claims or damages arising solely from errors or omissions of the State, its officers, agents or employees.

The contract work shall not be sublet, assigned or otherwise disposed of except with the written consent of the South Dakota Department of Transportation. In no case will it be permissible to sublet more than 50% of the work. Consent to sublet or assign a portion of the work shall not be construed to relieve the Contractor of any responsibility for fulfillment of the contract.

The Contractor shall give his personal supervision of the work, or have a competent designate available at all times with authority to act for the Contractor.

Prior to beginning work, a conference shall be arranged with the Department of Transportation. At this meeting, the Contractor shall outline their proposed mowing procedure and give their plan for performing the work while providing the safe passage of traffic at all times.

CONTRACT PERIOD - 3 YEARS

The contract start date is the date the contract is awarded to the Contractor. The contract completion date is the last date the Contractor performs services for the Department.

EQUIPMENT

- 1. The mowing may be performed with tractor operated rotary, flail or sickle mowers. Other types of cutting machines may be used but will require approval prior to use.
- 2. All rotary mowers must be equipped with safety chains or approved devices to prevent damage to property from flying debris from under the mower.
- 3. The mower/tractor shall be equipped with a flashing amber light mounted on the top of the tractor visible for 360°. A strobe light with 600,000 candle power or a revolving light with a 4" sealed beam unit is acceptable (minimum requirements).
- 4. A slow moving emblem will be required to be mounted on the mowing unit visible from the rear.
- 5. Mowers shall be kept in good operating condition at all times and produce a clean, sharp cut of vegetation.

MOWING REQUIREMENTS

- 1. The start of mowing operations will be determined by the Engineer. Mowing will not begin until the vegetation reaches an average height of 12 inches.
- 2. The Contractor shall begin mowing operations within ten days after notification.
- 3. Priority shall be given to the median and the first thirty feet of width adjacent to the various roadways. The median and the first thirty feet of width shall be mowed first, for the entire length of project, at all locations. Once this has been completed, the Contractor can complete the mowing out to the right-of-way fence.

The first mowing cycle will consist of the median and the first thirty feet of width adjacent to shoulders. The second and third mowing cycles will consist of all areas within the right-of-way. In areas where mowing the thirty feet of width would result in a small unsightly patch of vegetation being left unmown, the Contractor will be required to mow the small patch as well. The mowing layouts account for mowing of such locations.

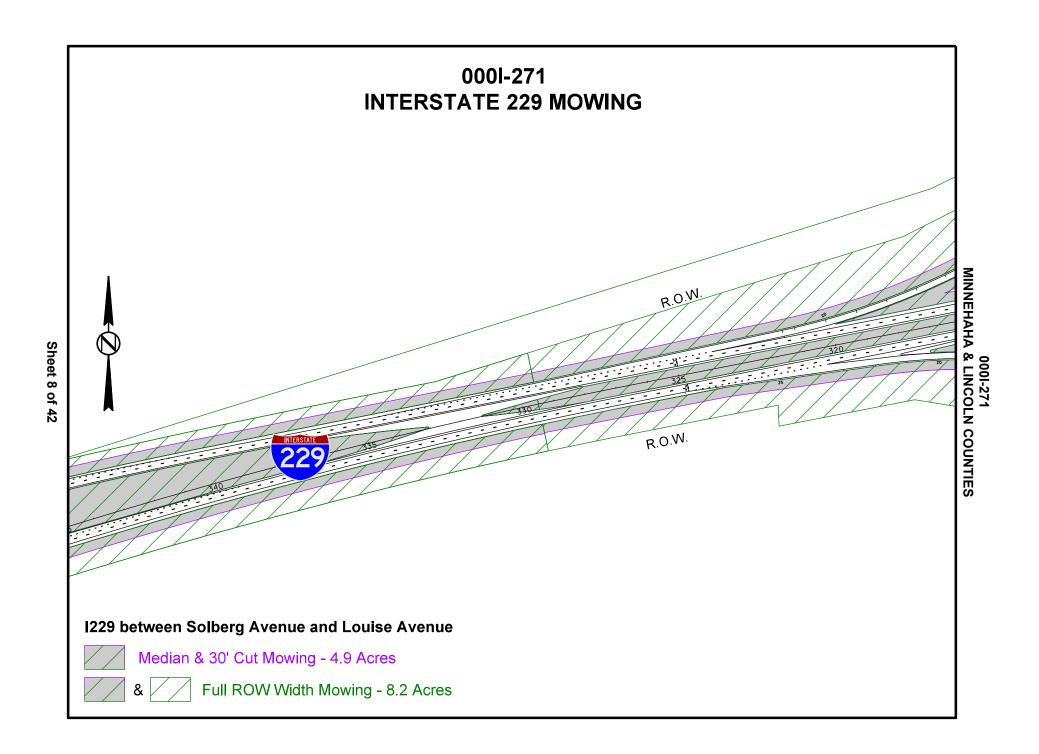
- 4. Mowing equipment will not be allowed on the driving lanes or shoulders.
- 5. After mowing is started, the Contractor will be required to complete each mowing cycle within twenty-one calendar days unless otherwise extended by the Engineer.
- 6. Unless otherwise directed by the Engineer, mowing of the Project will be performed three times between the dates of May 1 and October 31. The first mowing cycle shall be done prior to June 15. The second mowing cycle shall be done between July 10 and August 10. The third mowing cycle shall be done between October 1 and October 31. In the event that vegetation does not reach the average height of 12 inches, the mowing schedule may be adjusted and/or the third mowing cycle may be eliminated (partially or in full).
- 7. Vegetation shall be mowed to a height of four to six inches.
- 8. The Contractor will confine all operations to daylight hours with no work performed on Sundays or State Holidays unless authorized by the Engineer.
- 9. All mowed areas shall be left in a neat appearing condition upon completion of the mowing. Strips of uncut grass or piles of cut grass shall not be left in the mowed areas. Baling will not be permitted within the area covered under this contract.
- 10. Hand trimming will be required along noise walls, stabilization walls, bridge bents/abutments, barrier, guardrail, curb & gutter, and around culvert openings, sign supports, delineators, and columns, power, signal and light poles, footings, trees and shrubbery, improvement areas, and other appurtenances. Hand trimming will also be required along the right-of-way fence in front of the Country Club Golf Course, the mobile home sales park and First Premiere Bank. Riprap areas are not included in the acreage specified in the plans, however, hand trimming will be required to cut weeds down, in and around all riprap areas.
 - Hand trimming will be done on the entire project during all three cycles of Mowing. Hand trimming shall be completed within seven days of the completion of each mowing cycle. Cost for hand trimming shall be incidental to the contract unit price per acre for Mowing.
- 11. Mowing may be reduced or eliminated in the I29 and I229 interchange area (I29 MRM 74.0 to MRM 76.5 and I229 MRM 0.0 to MRM 1.0) due to anticipated construction in 2016. During construction the interchange area would likely be mowed by others.
 - Mowing may also be reduced or eliminated on newly seeded portions of the I90 Exit 399 Cliff Avenue interchange area (I90 MRM 399.1 to MRM 400.1) and adjacent to the Solberg/Tallgrass Avenue structure over I229 just east of I29 based on direction from the Maintenance Supervisor.
 - Other sections of this project may also be removed from the contract due to construction or other reasons. No payment will be made for sections of the project that are removed from the plans and no adjustment will be allowed to the contract unit prices as result of removed sections.
- 12. Additional areas can be ordered mowed for control of noxious weeds, sight distance or for appearance. Areas included in the mowing summary may also be deleted as determined by the Engineer.
- 13. Mowing of inslopes or backslopes steeper than 2.5:1 and wet and/or other inaccessible areas will not be required unless the vegetation interferes with safe sight distance to the driving public, which then may require hand mowing.

MOWING REQUIREMENTS (CONTINUED)

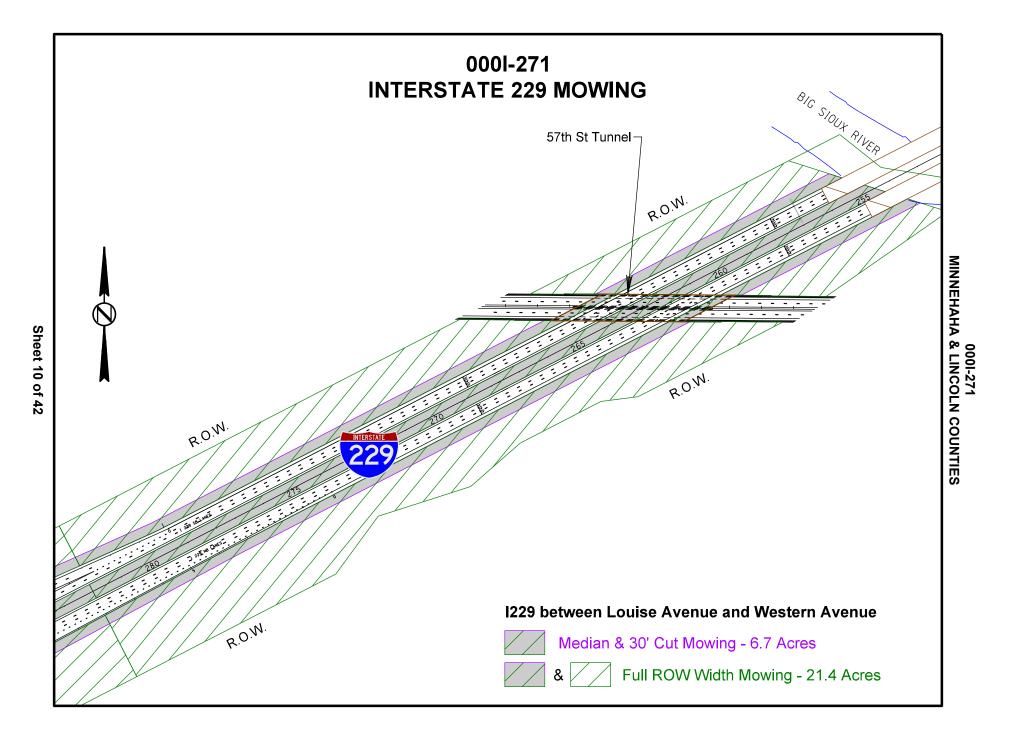
- 14. Sanitary sewer manholes are in place within the mowing area at various locations throughout the project. It is the Contractor's responsibility to verify these locations. If a manhole is disturbed due to the Contractor's operations, the City of Sioux Falls shall be contacted immediately. Any damage caused by the Contractor's operations shall be repaired at the Contractor's expense.
- 15. Mowing adjacent to, inside, or between guardrail installations and other appurtenances will be required. The method of getting the mowers into such areas must have Engineer approval or be hand mowed. Prior to bidding, it is the Contractor's responsibility to identify equipment needs to accomplish the work
- 16. If equipment is left on the project overnight, it cannot be left in the median. The equipment must be parked near the right-of-way fence line. Equipment shall not be left unattended within thirty feet of the roadway shoulder at any time.
- 17. Mower movement in and out of the median and crossing traffic lanes shall be kept to a minimum. Mowing equipment shall not cross mainline interstate Monday through Friday during the hours 7:30am to 8:30am and 4:00pm to 6:00pm. Bridges shall be crossed using the proper lanes and travel only in the true direction of traffic. The Contractor shall take all needed precautions when it is necessary to cross the traffic lanes. Mowing equipment will not be allowed to swing out into the driving lanes while mowing around delineator posts along the edge of the driving lanes.
- 18. Wildflowers have been seeded in the interchange gore areas of the I90 Exit 399 Cliff Avenue Interchange. Further direction will be provided by the Maintenance Supervisor regarding mowing areas containing wildflowers. Mowing should only be done when seedlings are less than half the height of the weeds. Significant weed problems will be handled on a separate contract. In these areas, removed vegetation shall be bagged and not raked off the ground to prevent damage to emerging plants.
 - After establishment, these areas should only be mowed to remove dead material in late winter or early spring before new growth begins, therefore this work may need to be accomplished by State forces. Mowing more often than this will result in wildflower decline. The mowers should leave 8" of vegetation in these areas.
- 19. Trees have been planted in the surrounding area of I229 Interchange Exit 1C, Louise Avenue. The Contractor shall take care and not damage the trees. Any trees damaged shall be replaced at the Contractor's expense.

MEASUREMENT AND PAYMENT

- Payment for Mobilization 1, 2 or 3 will be made at the contract unit price per each and is payment for the work necessary to establish, modify and/or organize the facilities, equipment, and personnel to provide mowing as per this contract. Payment for Mobilization 1 will take place once, after contract award, and payment for Mobilization 2 or 3 will take place once, in each of the successive 2 years of the contract, provided that the contract is renewed and, provided that the Contractor demonstrates to the Department that the aforementioned mobilization work is accomplished.
- 2. Mowing will be paid by the acre. The acres shown in the Table of Mowing will be the basis for measurement. Changes in the mowing from what is shown in the Table of Mowing will be measured separately for payment and added or deducted as applicable.
 - The contract unit price per acre will be full compensation for furnishing all labor, equipment, supplies, and incidentals necessary to complete each mowing, including hand trimming areas.
- 3. The acres of mowing were determined by horizontal width and length computations referenced to mile reference markers. No deductions were made in these computations for inaccessible areas or other nonmowable areas.
- 4. A payment will be made after the satisfactory completion of each mowing cycle. An interim payment can be made if requested by the Contractor but it will be limited to one interim payment per mowing cycle.

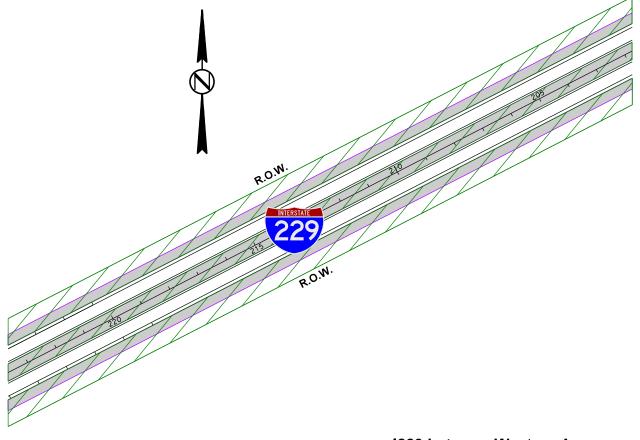


0001-271 MINNEHAHA & LINCOLN COUNTIES





Sheet 12 of 42



1229 between Western Avenue and Minnesota Avenue



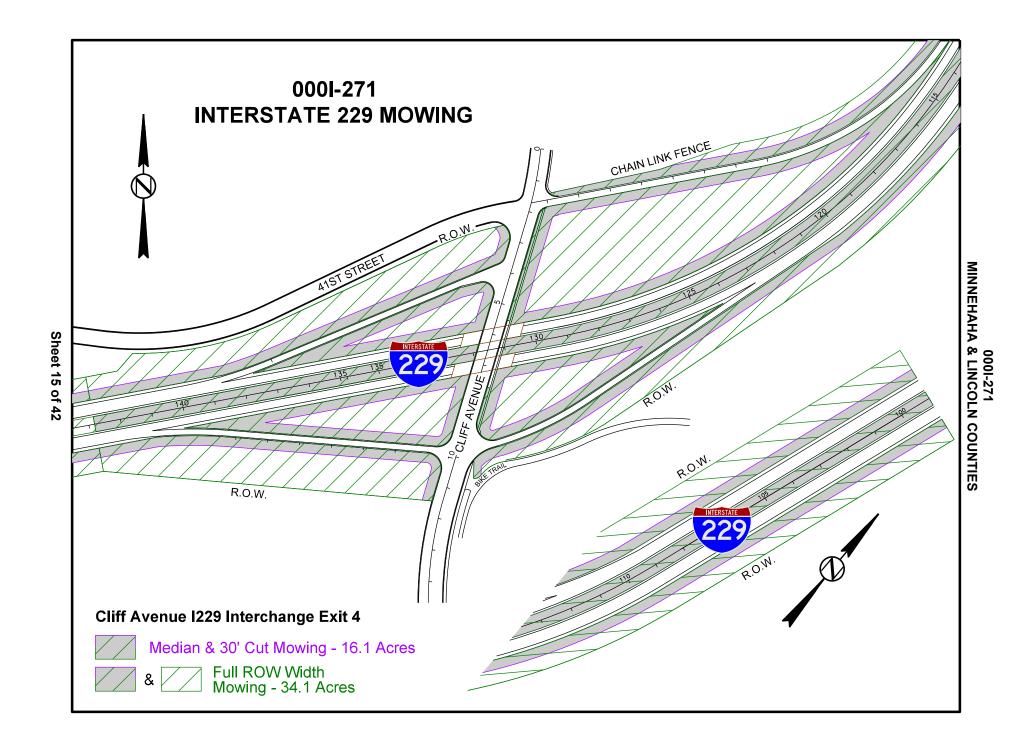
Median & 30' Cut Mowing - 5.4 Acres

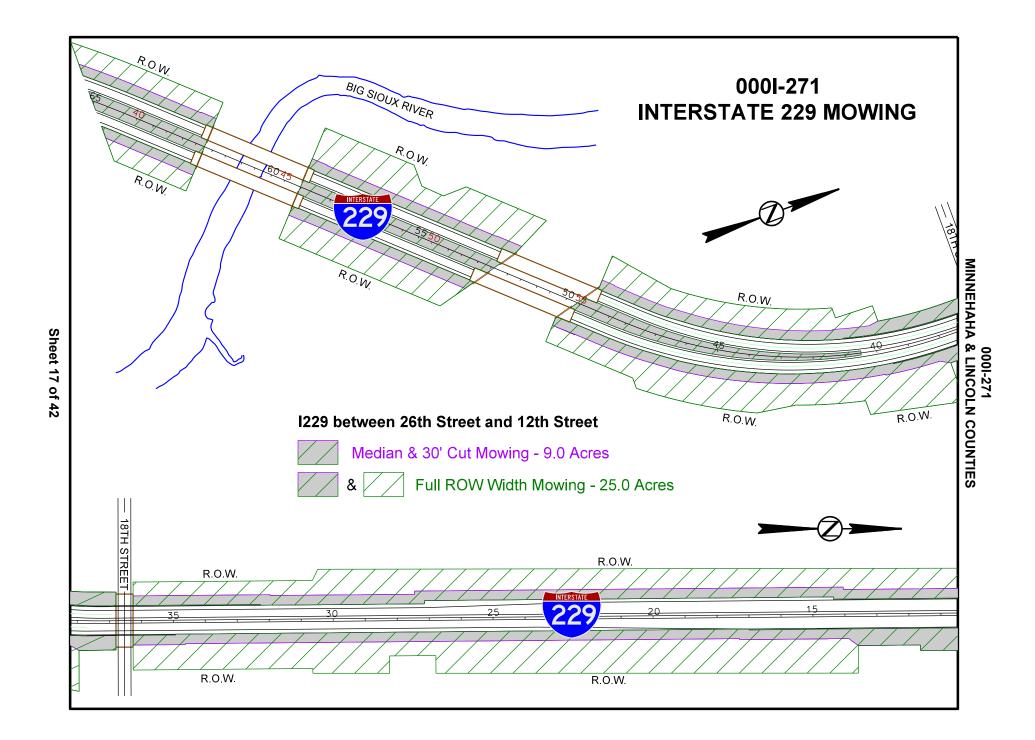




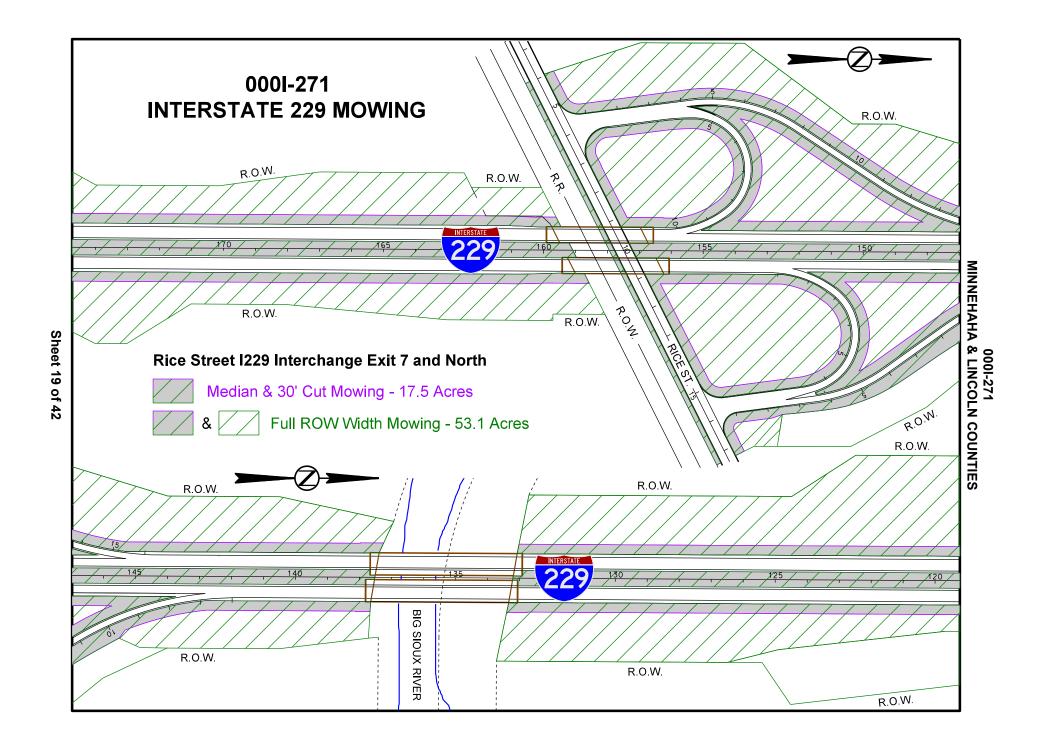
Full ROW Width Mowing - 9.9 Acres

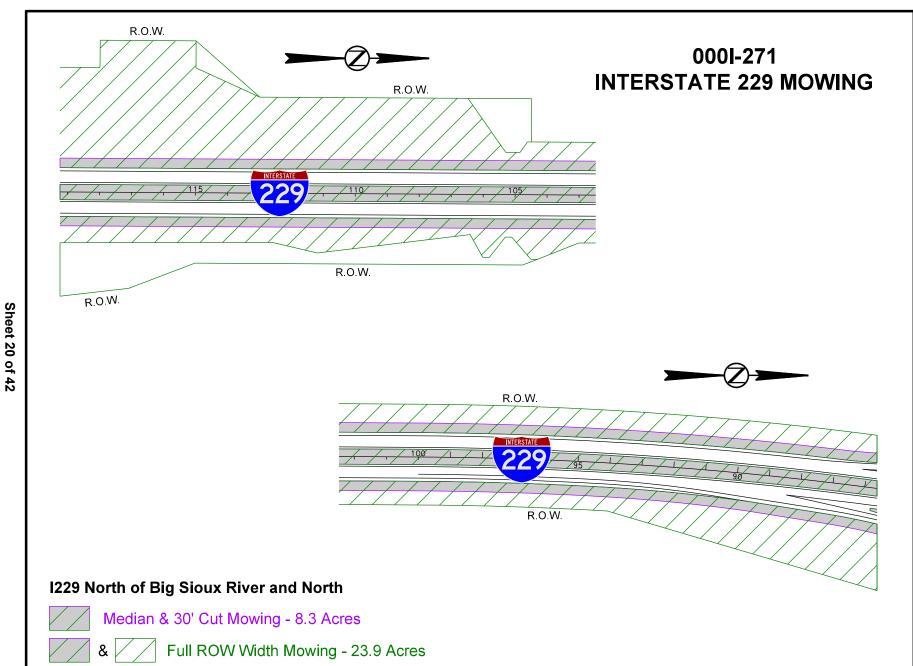
Sheet 14 of 42

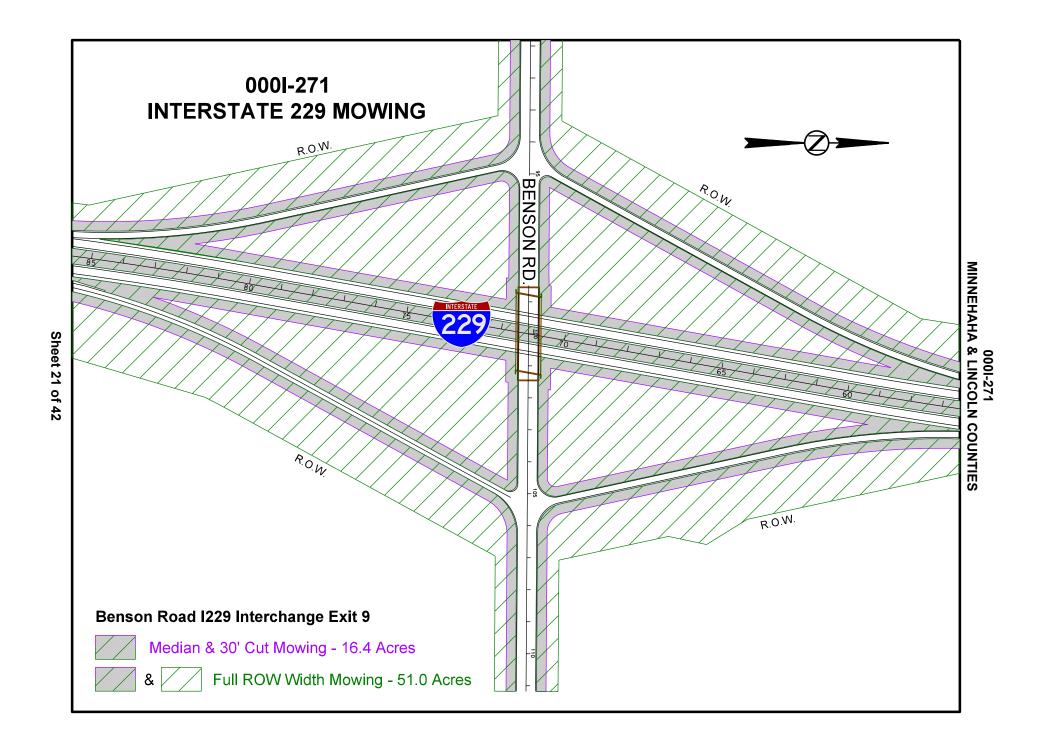


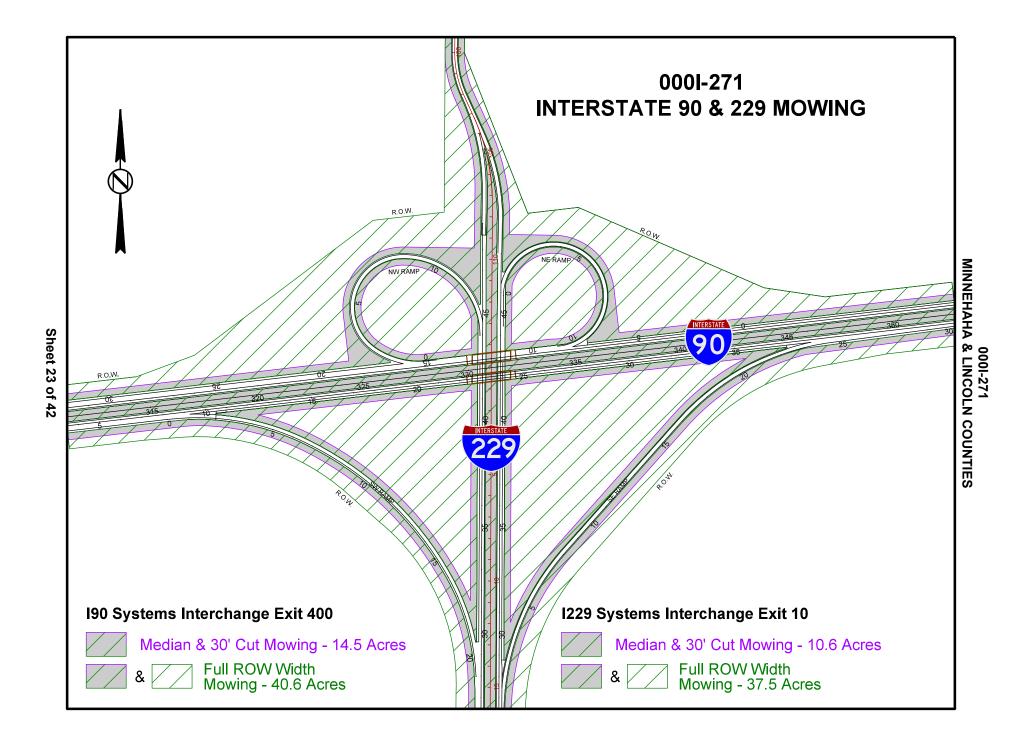


0001-271 MINNEHAHA & LINCOLN COUNTIES

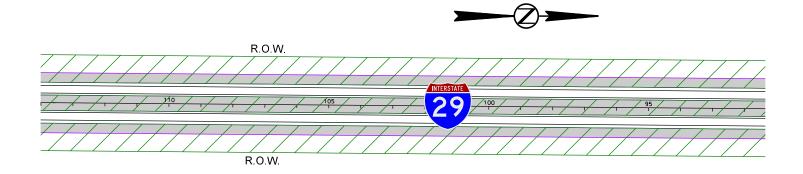


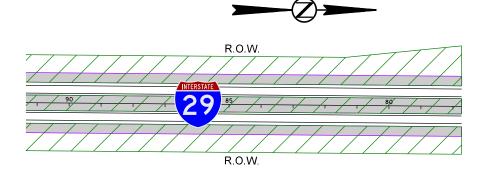






000I-271 INTERSTATE 29 MOWING





I29 between Exit 73 and Exit 75



Sheet 25 of 42

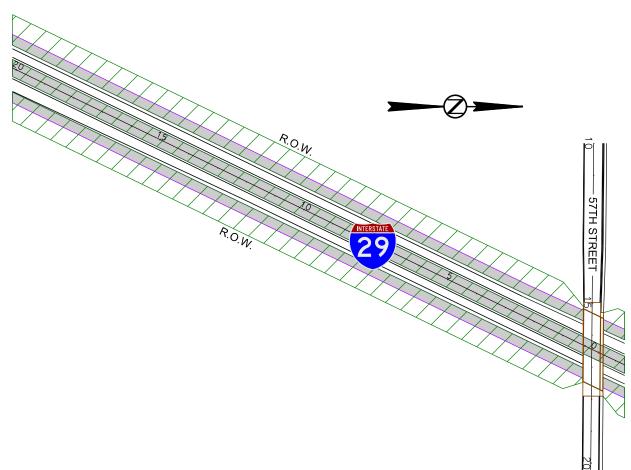
Median & 30' Cut Mowing - 9.0 Acres



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Full ROW Width Mowing - 18.5 Acres

000I-271 INTERSTATE 29 MOWING



I29 between Exit 75 and 57th Street

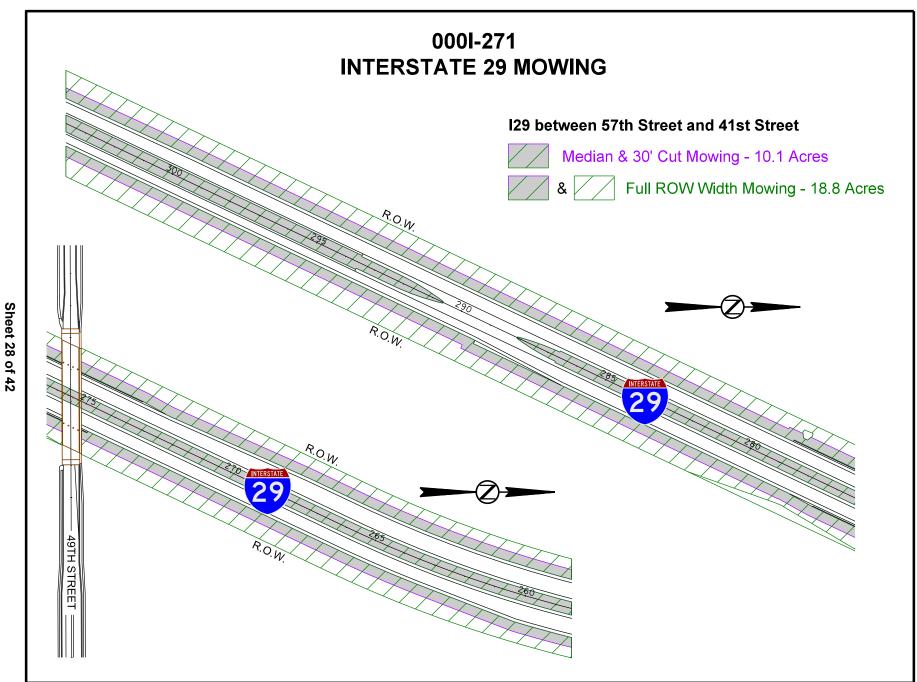


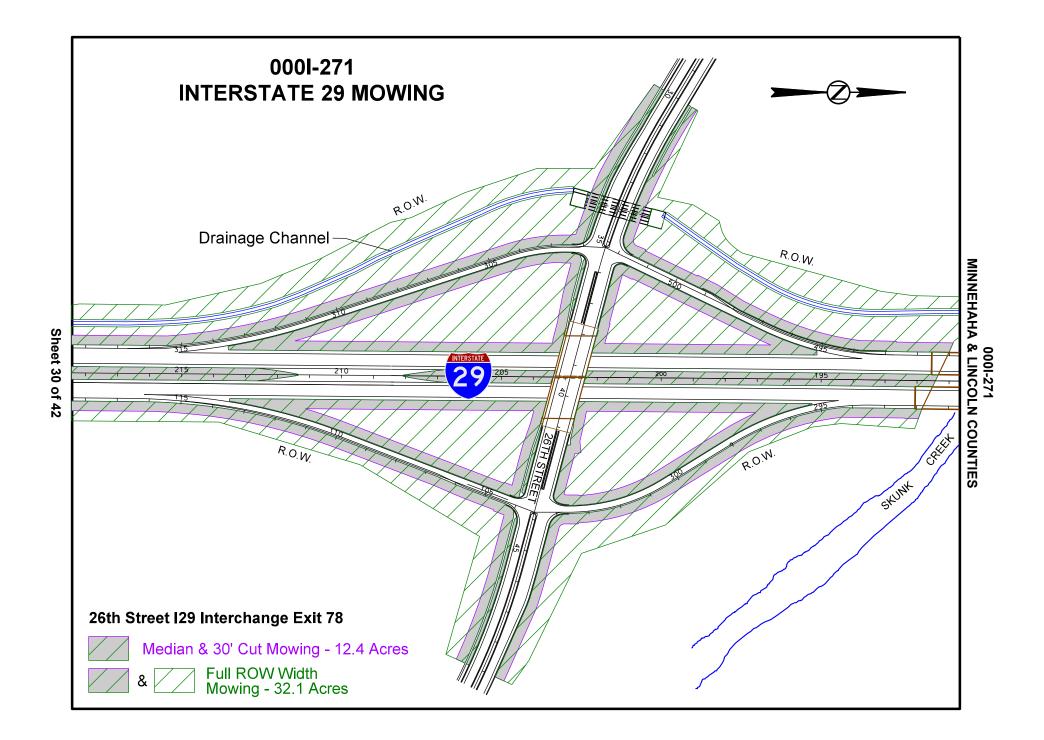
Median & 30' Cut Mowing - 5.2 Acres



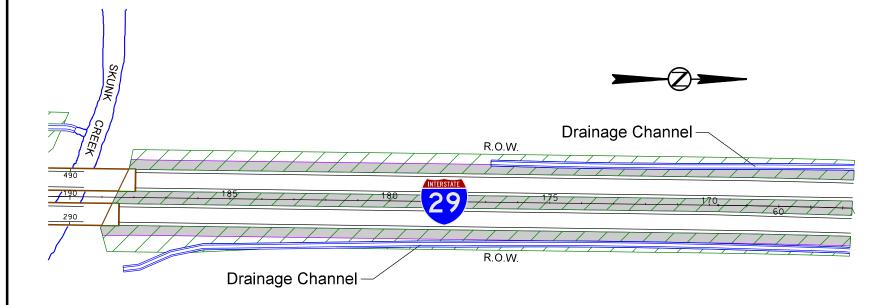


Full ROW Width Mowing - 10.3 Acres









I29 between 26th Street and 12th Street



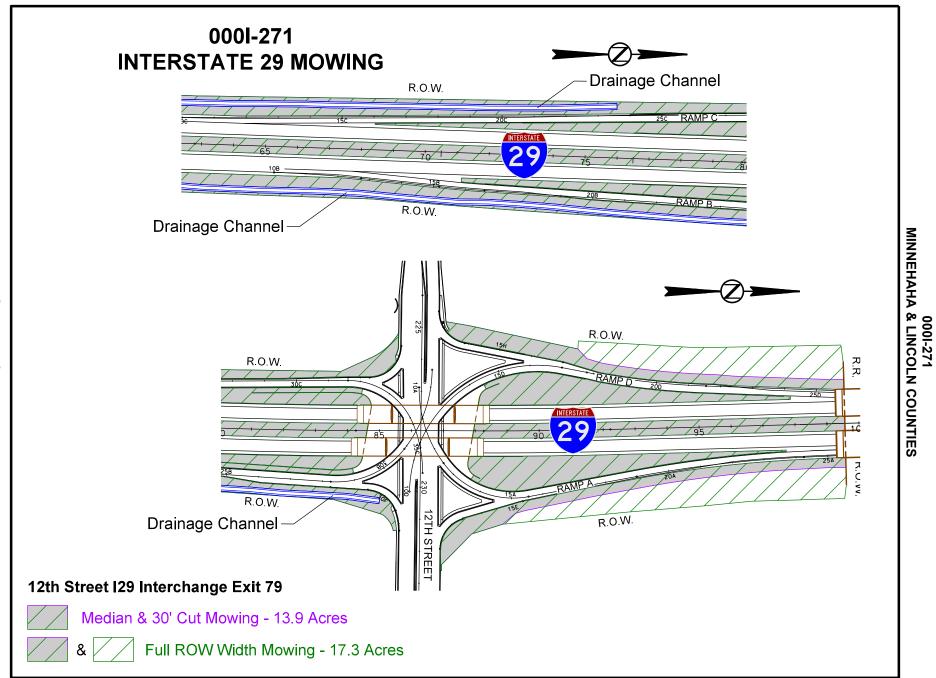
Sheet 31 of 42

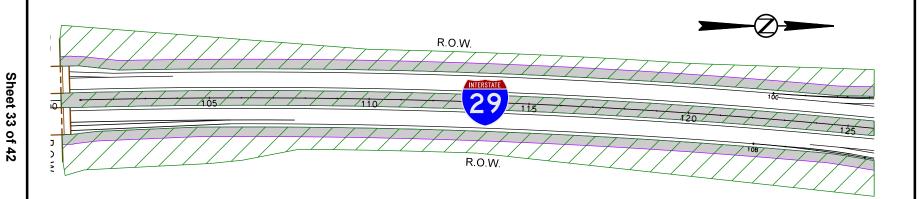
Median & 30' Cut Mowing - 5.2 Acres



& //

Full ROW Width Mowing - 7.5 Acres





I29 between 12th Street and Madison Street



Median & 30' Cut Mowing - 6.2 Acres



& //

Full ROW Width Mowing - 13.0 Acres

