INDEX OF SHEETS

TITLE

SHEET NO.

COVER SHEET GENERAL NOTES, STANDARDS, AND ENTRANCE DETAILS 2 3-4 SUMMARY OF QUANTITIES TYPICAL CROSS SECTIONS 5 SCHEDULES OF QUANTITIES 6-9 10 LOCATION MAP PLAN SHEETS 11-32 33 STEEL PLATE BEAM GUARDRAIL, SHORT RADIUS 34 STEEL RAILING TYPE 2399 35 **RETAINING WALL, SPECIAL DETAIL - LOCATION 93** CROSS SECTIONS - LOCATION 93 36-44

TRAFFIC BARRIER TERMINAL. TYPE 5A

BLR 27-1

	LIST OF I	<u>ILLINOIS DOT HIGHWAY STANDARDS</u>
	000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
	280001-07	TEMPORARY EROSION CONTROL SYSTEMS
	542401-03	METAL FLARED END SECTION FOR PIPE CULVERTS
	630001-12	STEEL PLATE BEAM GUARDRAIL
	630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
	630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
	631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
	631031-16	TRAFFIC BARRIER TERMINAL, TYPE 6
	631032-09	TRAFFIC BARRIER TERMINAL, TYPE 6A
	635001-02	DELINEATORS
	701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
	701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
	701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
	701901-08	TRAFFIC CONTROL DEVICES
	725001-01	OBJECT AND TERMINAL MARKERS
①	782001-01	CURB REFLECTORS
	782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
	BLR 26-3	STEEL PLATE BEAM GUARDRAIL 29" (731 MM) HEIGHT

GENERAL NOTES

- THIS PROJECT IS LOCATED ON VARIOUS ROUTES IN IROQUOIS COUNTY. THE WORK INCLUDED IN THE SECTION CONSISTS OF VARIOUS TYPES OF GUARDRAIL REMOVAL, REPLACEMENT, AND ALL OTHER WORK NECESSARY TO COMPLETE THE PROJECT.
- 2. NO MATERIAL SHALL BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
- 3. ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR. APPROPRIATE STANDARDS ARE INCLUDED IN THE PLANS AND CONTRACT DOCUMENTS.
- 4. ILLINOIS STATE LAW REQUIRES 48 HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.I.L.I.E. (PHONE 800-892-0123) OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY.
- 5. WHEN NO WORK IS BEING PERFORMED, THE FLAGGERS WILL NOT BE REQUIRED. IF THE FLAGGERS ARE NOT PRESENT, THE FLAGGERS SIGNS SHALL BE REMOVED OR COVERED.
- 6. ARTICLE 701.20 OF THE STANDARD SPECIFICATIONS DISCUSSES AN ADJUSTED UNIT PRICE. NO ADJUSTMENTS SHALL BE MADE TO THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS FOR THIS CONTRACT.
- 7. THE CONTRACTOR IS ADVISED THAT THE GUARDRAIL AND TERMINAL PAY ITEMS INCLUDED IN THE PLANS WILL BE USED TO REPLACE STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINALS FOR EITHER CURRENT MIDWEST STYLES OR STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINALS INSTALLED PRIOR TO JANUARY 1, 2007. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UTILIZING THE CURRENT MIDWEST STANDARDS.
- 8. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER. THE TOTAL DISTURBANCE AREA IS NOT CONTIGUOUS AND IS DISTRIBUTED THROUGHOUT THE INDIVIDUAL LOCATIONS AS SHOWN IN THE PLANS.
- 9. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED.
 THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

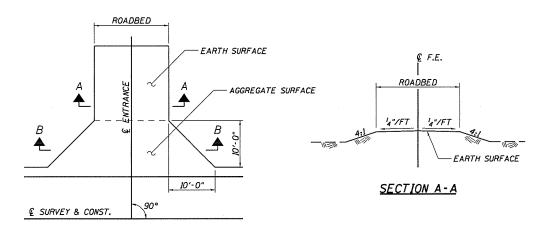
- IO. ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.
- 11. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE REVISION NUMBER SHOWN IN THE LIST OF ILLINOIS DOT HIGHWAY STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
- 12. REMOVED GUARDRAIL THAT IS NOT REPLACED ON THE SAME DAY MUST BE DELINEATED WITH LIGHTED BARRICADES, NO LOCATIONS SHALL BE LEFT WITHOUT EITHER LIGHTED BARRICADES OR RESTORED GUARDRAIL
- 13. FURNISHED EXCAVATION, AS SHOWN, IS FOR CONSTRUCTION THE PROPOSED SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS AND SHOULDER WIDENING FUR TIPE I (SPECIAL) GUARDRAIL TERMINALS AND FOR SHOULDER WIDENING ALONG STEEL PLATE BEAM GUARDRAIL AS NEEDED. SHOULDER WIDENING AT TYPE I (SPECIAL) TERMINALS SHALL BE AS SHOWN ON STANDARD 630301. SHOULDER WIDENING AT STEEL PLATE BEAM GUARDRAIL TYPE A, SIX FOOT POSTS WILL BE TWO FEET BEHIND THE POST AS SHOWN ON STANDARD 630001. SHOULDER WIDENING AT STEEL PLATE BEAM GUARDRAIL TYPE A, NINE FOOT POSTS WILL BE TO THE FACE OF THE POST AS SHOWN ON STANDARD 630001. QUANTITIES SHOWN
- 14. EROSION CONTROL BLANKET SHALL BE PLACED ON ALL AREAS WITH SLOPES 1:2 OR STEEPER.
- 15. SEEDING OPERATION SHALL BE COMPLETED WITHIN 3 DAYS OF COMPLETING GUARDRAIL WORK.
- 16. CONTRACTOR SHALL MAKE SURE ALL DRUMS AND BARRICADES ARE IN PLACE WHERE GUARDRAIL POSTS ARE REMOVED IN ACCORDANCE WITH ARTICLE 701 OF THE STANDARD SPECIFICATIONS.
- 17. FILLING OF EXISTING HOLES FROM EXISTING GUARDRAIL REMOVAL SHALL BE INLCUDED IN THE COST OF GUARDRAIL REMOVAL IN ACCORDANCE WITH ARTICLE 632 OF THE STANDARD SPECIFICATIONS.

APPLICATION RATES USED IN QUANTITY CALCULATIONS

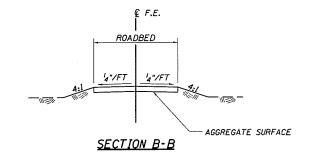
GRANULAR MATERIALS ____ _ ___ 2.05 TONS/CU YD TEMPORARY EROSION CONTROL SEEDING ____ _ 100 LBS/ACRE

COMMITMENTS

NONE AT THIS TIME







Cummins	J0B = 2537.1	DESIGNED - CGF	REVISED - 6/01/2020 ①	IROQUOIS COUNTY GUARDRAIL IMPROVEMENTS	GENERAL NOTES, STANDARDS			VARIOUS ROUTES	SECTION	COUNTY	TOTAL SHEET
Engineering	FILE NAME = \$FILES\$	DRAWN - SJS	REVISED -						19-00350-00-SP	IROQUOIS	44 2
Corporation	PLOT SCALE = \$SCALE\$	CHECKED - NAK	REVISED -			AND ENTRANCE DETAILS				CONTRACT	NO. 87758
Civil and Structural Engineering	PLOT DATE = SDATES	DATE - 2/20/2019	REVISED -		SCALE:	SHEET NO. OF SHEETS STA.	TO STA.	FED. ROAD	DIST. NO. ILLINOIS FED	. AID PROJECT	

		<u>SUMMARY OF QUANTITIES</u>			CONSTRUCTION CODE HSIP FUNDS 90% FEDERAL 10% LOCAL ROADWAY
	CODE NO	ITEM	UNIT	TOTAL QUANTITY	0021
•	X0326519	STEEL RAILING REMOVAL	FOOT	200	200
	X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	2.75	2.75
•	X6300130	STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)	FOOT	300.0	300.0
•	X6300210	GUARDRAIL BLOCKS	EACH	80	80
•	X6320100	GUARDRAIL REMOVAL SPECIAL	FOOT	100.0	100.0
•	X6300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	75.0	75.0
•	XZ127902	RETAINING WALL SPECIAL	FOOT	1,462	1,462
	Z0027800	GEOTECHNICAL FABRIC	5Q YD	1,300	1,300
① △	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM]	

• SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2537.1	DESIGNED - CGF	REVISED - 6/01/2020 ①
FILE NAME = \$FILES\$	DRAWN - SJS	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - NAK	REVISED -
PLOT DATE = \$DATE\$	DATE - 2/20/2019	REVISED -

IROQUOIS COUNTY
GUARDRAIL IMPROVEMENTS

							SEC	TION	COUNTY	TOTAL SHEETS	SHEET NO.
SUMMARY OF QUANTITIES						19-00350-00-SP		IROQUOIS	44	4	
									CONTRACT	NO. 87	758
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD	DIST, NO.	ILLINOIS FED.	AID PROJECT		

SEEDING SCHEDULE

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	SEEDING, CLASS 2 (SPECIAL)
		ACRE
5	LEFT	0.060
	RIGHT	0.051
23	NW	0.051
	sw	0.053
	SE	0.065
24	LEFT	0.049
	RIGHT	0.036
26	NW	0.011
	NE	0.016
38	LEFT	0.068
	RIGHT	0.066
39	LEFT	0.065
	RIGHT	0.063
40	NE NE	0.032
40	SE	0.017
46	NW	0.095
	SW	0.054
	NE SE	0.041
87	LEFT	0.109
- 07	RIGHT	0.075
89	NW	0.054
	SE	0.068
	NE NE	0.087
	SE	0.082
90	NW	0.029
	sw	0.046
	NE	0.056
	SE	0.035
92	NW	0.031
	SW	0.034
	NE	0.065
	SE	0.027
93	NW	0.019
	SW	0.068
	NE	0.068
_	SE	0.055
94	LEFT	0.032
	RIGHT	0.058
110	NW	0.032
	SW	0.033
	NE NE	0.031
444	SE	0.033
111	NW	0.028
	SW	0.034
	NE SE	0.016
	SE	0.021

SEEDING SCHEDULE

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	SEEDING, CLASS 2 (SPECIAL)
_		ACRE
112	NW	0.026
	sw	0.033
	NE	0.035
	SE	0.032
113	NW	0.033
	SW	0.021
	NE	0.037
	SE	0.034
117	SE	0.011
	NE	0.010
118	RIGHT	0.022
119	LEFT	0.020
	RIGHT	0.031

TOTAL 2.64 ROUNDED TOTAL 2.75



Location Number	Quadrant (NE, SE, NW, SW,	FURNISHED EXCAVATION
(amber	LEFT, RIGHT)	
		CHAD
		CU YD
5	LEFT	70
	RIGHT	55
23	NW	60
	SW SE	110 30
24	RIGHT	10
26	NW	10
20	NE	10
38	LEFT	110
	RIGHT	100
39	LEFT	155
	RIGHT	115
40	NW	15
	SE	5
46	NW	45
	SW	40
	NE	15
	SE	135
87	LEFT	50
	RIGHT	120
89	NW	105
	SE	195
	NE SE	210 175
90	NW NW	35
Ju	sw	70
	NE NE	55
	SE	60
92	NW	45
	SW	45
	NE	100
	SE	50
93	NW	15
	SW	50
	NE	35
	SE	230
94	LEFT	40
445	RIGHT	30
110	NW SW	55 56
	SW NE	55 50
	NE SE	50 60
111	NW NW	40
111	SW	55
	NE NE	20
	SE	30

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	FURNISHED EXCAVATION
		CU YD
112	NW	40
	sw	60
	NE	45
	SE	35
113	NW	75
	sw	25
	NE	60
	SE	55
117	SW	15
	NE	10
118	RIGHT	35
119	LEFT	25
	RIGHT	50
T0 T4 I		0.700

TOTAL 3,700

C	E(C	Cummins Engineering Corporation		
Civil and Structural Engineering					

-	JOB = 2537.1	DESIGNED - CGF	REVISED - 6/01/2020 (1)
	FILE NAME = \$FILES\$	DRAWN - SJS	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - NAK	REVISED -
	PLOT DATE = \$DATE\$	DATE - 2/20/2019	REVISED -

IROQUO	IS	cou	VTY
GUARDRAIL	IMI	PROV	EMENTS

					ROUTES SECTION		COUNTY	SHEETS	NO.			
SCHEDULES OF QUANTITIES								19-00350-00-SP			44	9
											CONTRACT NO. 87758	
SCALE:	SHEET	NO.	0F	SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO.	ILLINOIS FED. AT	D PROJECT		