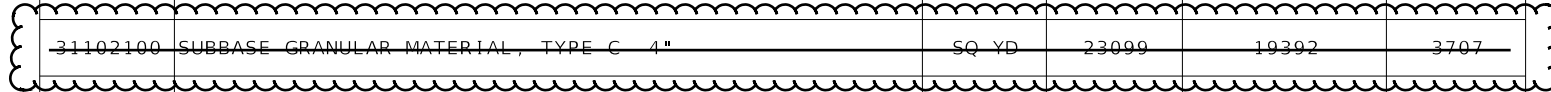


CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	
				ROADWAY 0005 RURAL	ROADWAY 0005 URBAN
20200500	EARTH EXCAVATION (WIDENING)	CU YD	7700	6464	1236
31102100	SUBBASE GRANULAR MATERIAL, TYPE C 4"	SQ YD	23099	19392	3707
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	54093	45513	8580
40600637	LEVELING BINDER (MACHINE METHOD), 1L-9.5FG, N70	TON	5610	4720	890
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	30	15	15
40600990	TEMPORARY RAMP	SQ YD	258	238	20
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	6732	5664	1068
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	42	34	8
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	80137	67426	12711
44200168	PAVEMENT PATCHING, TYPE II, 14 INCH	SQ YD	445	310	135
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	60103	50570	9533
48101200	AGGREGATE SHOULDERS, TYPE B	TON	265	265	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	4207	3522	685
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	19793	16615	3178



△ REV. 4-8-2019

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PLOT DATE = 1/15/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(15.15X)RS-3	MADISON	17	3
CONTRACT NO. 76K88			ILLINOIS FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	ROADWAY
				0005 RURAL	0005 URBAN
				80% FED 20% STATE	
* 6300003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1212.5	1212.5	
* 63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	112.5	112.5	
* 63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	175	175	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	14	14	
63200310	GUARDRAIL REMOVAL	FOOT	1950	1950	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	56481	47466	9015
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	3	1
67100100	MOBILIZATION	L SUM	1	0.8	0.2
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.7	0.3
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8196	6896	1300
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	911	766	145
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	73041	62316	10725

0.7 0.3



* SPECIALTY ITEM

REV. 4-8-2019

REV. - MS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

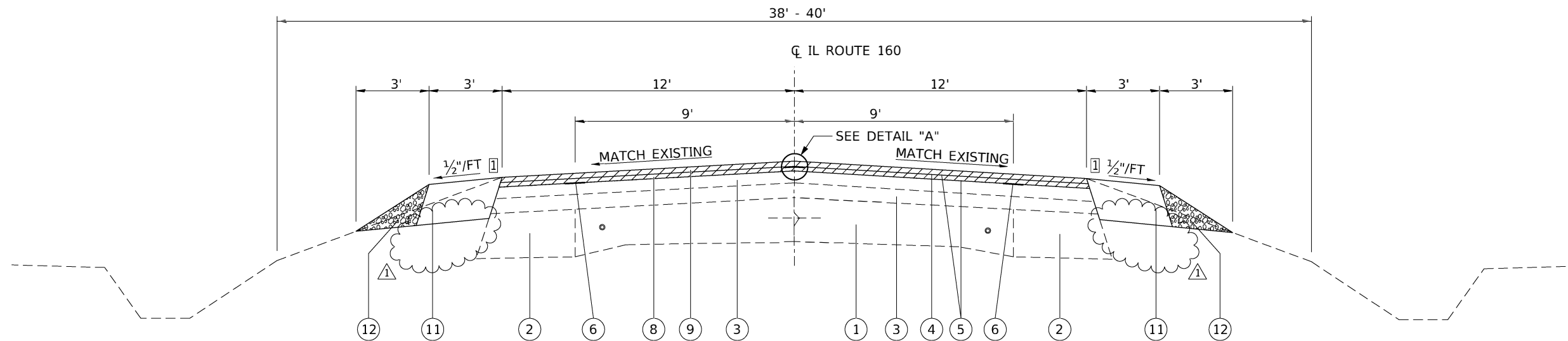
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(15,15X)RS-3	MADISON	17	4
CONTRACT NO. 76K88			ILLINOIS FED. AID PROJECT	

TYPICAL SECTION NOTES

① SHOULDER RUMBLE STRIPS, 8 INCH SHALL BE INSTALLED.

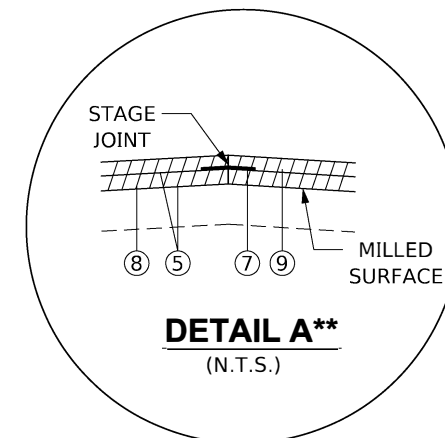


TYPICAL SECTION MAIN LINE

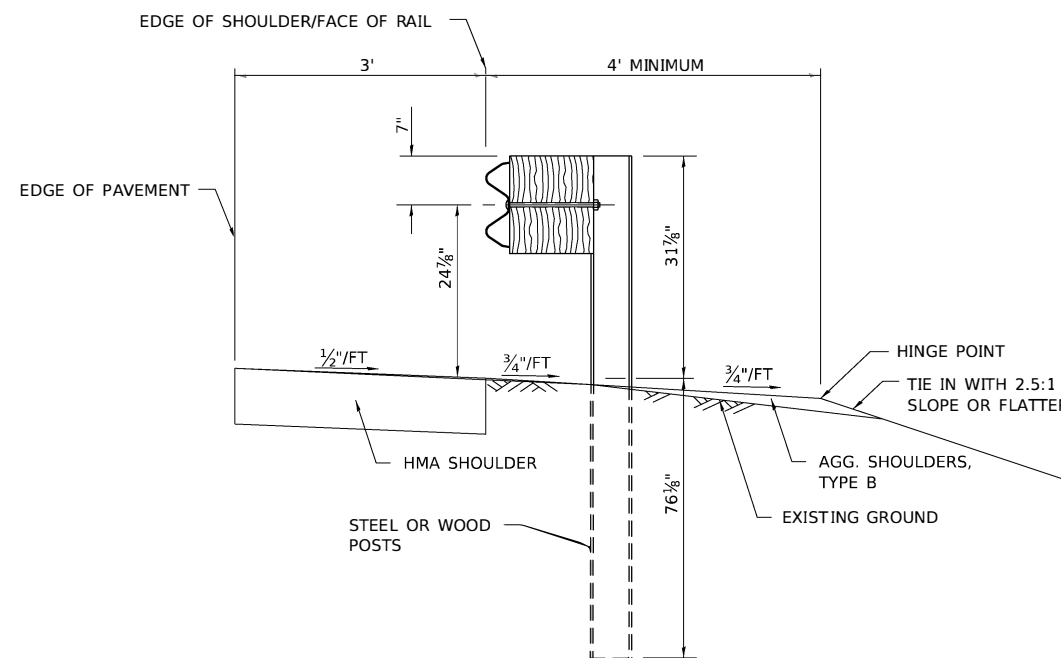
STA. 266+75.00 TO STA. 314+41.50 (URBAN)
 STA. 13+90.00 TO STA. 266+75.00 (RURAL)

LEGEND

- ① EXISTING 9" - 6 1/2" - 9" PCC PAVEMENT
- ② EXISTING BITUMINOUS WIDENING 9"
- ③ EXISTING BITUMINOUS CONCRETE SURFACE
- ④ PROPOSED HMA SURFACE REMOVAL 2 3/4"
- ⑤ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ⑥ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑦ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑧ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70, 1 1/4"
- ⑨ PROPOSED HMA SURFACE COURSE, MIX D, N70 1 1/2"
- ⑩ OMITTED
- ⑪ PROPOSED HMA SHOULDERS, 8"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



**DETAIL "A" SHALL NOT BE APPLIED ALONG THE EDGE OF PAVEMENT



TYPICAL GUARDRAIL SECTION

MIX CHART

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS ≥ 2.25"	SHOULDERS < 2.25"	PATCHING
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=30	4.0% @ Ndes=30	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION)	IL 9.5	IL 9.5FG	IL 19.0L	IL 9.5L	IL 19.0
FRICTION AGG	MIXTURE "D"	MIXTURE "C"			MIXTURE "B"
QUALITY MGMT PROGRAM	QCP	QCP	QC/QA	QC/QA	QC/QA

PLAN QUANTITIES FOR HOT-MIX ASPHALT ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

REV. 4-8-2019

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(15.15X)R5-3	MADISON	17	6
CONTRACT NO. 76K88				
ILLINOIS FED. AID PROJECT				

ENTRANCE & MAILBOX TURNOUT SCHEDULE

LOCATION	TYPE	WIDTH (W)	TOTAL AREA	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	INCIDENTAL HOT-MIX ASPHALT SURFACING
		(FOOT)	(SQ FT)	(SQ YD)	(TON)
FAP ROUTE 690 (1L 160)					
RURAL					
16+43.85	LT	C.E.	55	177.8	1.1
* 18+18.49	RT	P.E.	75	158.6	1.0
* 19+43.75	LT	P.E.	76	162.1	1.0
* 25+36.87	LT	P.E.	76	161.0	1.0
* 28+54.36	LT	P.E.	51	110.5	0.7
* 37+38.85	LT	P.E.	75	158.6	1.0
* 38+92.16	RT	C.E.	78	163.5	1.0
39+08.81	LT	P.E.	22	48.2	0.3
* 41+25.80	LT	P.E.	49	97.7	0.6
* 42+16.04	LT	P.E.	52	103.4	0.6
* 43+84.03	LT	P.E.	40	92.0	0.6
* 44+53.99	LT	P.E.	65	140.3	0.9
* 45+56.27	LT	P.E.	47	104.3	0.6
46+27.17	LT	P.E.	24	52.2	0.3
* 48+87.75	LT	C.E.	64	135.9	0.8
66+35.14	RT	P.E.	27	58.2	0.4
66+71.03	LT	F.E.	25	52.1	0.3
79+90.57	RT	F.E.	19	40.5	0.3
* 91+17.06	RT	P.E.	54	115.2	0.7
99+67.05	RT	F.E.	22	46.1	0.3
99+97.36	LT	F.E.	17	36.1	0.2
108+29.26	RT	P.E.	39	84.3	0.5
108+34.17	LT	MAILBOX	-	-	-
* 118+45.27	LT	P.E.	51	109.7	0.7
120+04.81	RT	P.E.	30	65.9	0.4
120+07.78	LT	MAILBOX	-	-	-
126+22.70	RT	F.E.	27	56.1	0.3
126+83.22	LT	F.E.	27	56.1	0.3
133+08.84	RT	P.E.	50	101.4	0.6
133+54.75	RT	P.E.	32	67.6	0.4
* 133+77.36	LT	P.E.	76	160.7	1.0
* 137+25.67	LT	P.E.	63	134.3	0.8
138+21.67	LT	P.E.	25	52.1	0.3
141+10.85	RT	F.E.	31	64.1	0.4
145+30.35	LT	F.E.	38	78.1	0.5
* 152+39.22	LT	P.E.	61	130.7	0.8
156+80.71	LT	F.E.	23	48.1	0.3
159+21.38	RT	P.E.	23	49.4	0.3
159+29.68	LT	MAILBOX	-	-	-
163+42.71	RT	P.E.	32	67.4	7.5
* 168+45.54	LT	P.E.	59	126.9	0.8
* 173+07.16	LT	P.E.	57	122.5	0.8
173+09.94	RT	P.E.	53	113.0	0.7
186+44.56	RT	F.E.	21	44.1	0.3
186+71.21	LT	F.E.	22	47.4	0.3
* 188+29.19	LT	P.E.	54	119.2	0.7
193+66.26	LT	F.E.	49	100.1	0.6
* 199+70.77	LT	P.E.	81	170.5	1.1
202+71.08	LT	P.E.	27	59.0	0.4
205+63.09	LT	F.E.	41	84.1	0.5
222+12.05	RT	F.E.	25	52.1	0.3
224+77.10	RT	P.E.	29	62.2	0.4
226+79.20	RT	F.E.	31	64.1	0.4
226+84.39	LT	F.E.	41	85.2	0.5
244+76.75	LT	F.E.	25	52.1	0.3
* 249+48.44	LT	P.E.	59	125.9	0.8
251+30.68	LT	C.E.	31	66.4	7.4
* 253+00.41	LT	P.E.	70	144.3	0.9
253+42.30	LT	F.E.	28	56.8	0.4
257+82.36	RT	F.E.	21	45.0	0.3
* 266+41.33	LT	P.E.	58	124.1	0.8

ENTRANCE & MAILBOX TURNOUT SCHEDULE

LOCATION	TYPE	WIDTH (W)	TOTAL AREA	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	INCIDENTAL HOT-MIX ASPHALT SURFACING
		(FOOT)	(SQ FT)	(SQ YD)	(TON)
URBAN					
306+89.42	RT	C.E.	62	130.3	14.5
307+60.92	LT	C.E.	49	100.6	0.6
307+89.94	RT	P.E.	34	72.2	0.4
308+07.92	LT	P.E.	32	66.6	0.4
308+73.56	RT	P.E.	28	59.4	0.4
309+62.63	LT	C.E.	51	107.0	0.7
309+70.79	RT	P.E.	34	72.2	0.4
310+47.49	RT	P.E.	30	64.2	0.4
311+01.70	LT	C.E.	46	95.8	0.6
311+21.88	RT	P.E.	28	62.1	0.4
312+09.42	LT	P.E.	34	71.0	0.4
312+53.94	LT	C.E.	47	96.0	0.6
312+71.37	RT	F.E.	7	16.4	0.1
313+68.63	LT	C.E.	34	71.4	0.4
313+73.34	RT	P.E.	31	67.0	0.4
URBAN TOTAL:				15.0	8.0
TOTALS:				30	42

NOTE: LOCATIONS AND QUANTITIES SHOWN ARE ESTIMATED ONLY, EXACT DIMENSIONS OF ENTRANCES WILL BE DETERMINED AT TIME OF CONSTRUCTION

* DENOTES MAILBOX TURNOUT AT THIS LOCATION.

SHOULDER SCHEDULE

LOCATION	LENGTH	EARTH EXCAVATION (WIDENING)	SUBBASE GRANULAR MATERIAL, TYPE C	AGGREGATE WEDGE SHOULDER, TYPE B	HOT-MIX ASPHALT SHOULDERS, 8"	SHOULDER RUMBLE STRIPS, 8 INCH
			(SQ YD)	(TON)	(SQ YD)	(FOOT)
FAP ROUTE 690 (1L 160)						
RURAL						
13+90.00 TO 40+50.00	LT/RT	2,660.0	679.8	2,039.3	356.3	1,747.3
40+50.00 TO 93+40.00	LT/RT	5,290.0	1,350.9	4,062.8	729.9	3,472.3
93+40.00 TO 146+70.00	LT/RT	5,330.0	1,359.2	4,071.6	731.6	3,493.6
146+70.00 TO 199+80.00	LT/RT	5,310.0	1,360.4	4,081.2	723.7	3,497.0
199+80.00 TO 226+20.00	LT/RT	2,640.0	672.6	2,017.8	386.0	1,728.6
226+20.00 TO 266+75.00	LT/RT	4,055.0	1,041.0	3,122.9	594.9	2,676.1
URBAN						
266+75.0 TO 314+41.50	LT/RT	4,766.5	1,235.8	3,707.3	684.5	3,177.7
RURAL TOTAL:		25,285.0	6,463.9	19,391.6	3,522.4	16,614.9
URBAN TOTAL:		4,766.5	1,235.8	3,707.3	684.5	3,177.7
TOTALS:		30,052	7,700	23,099	4,207	19,793



REV. 4-8-2019

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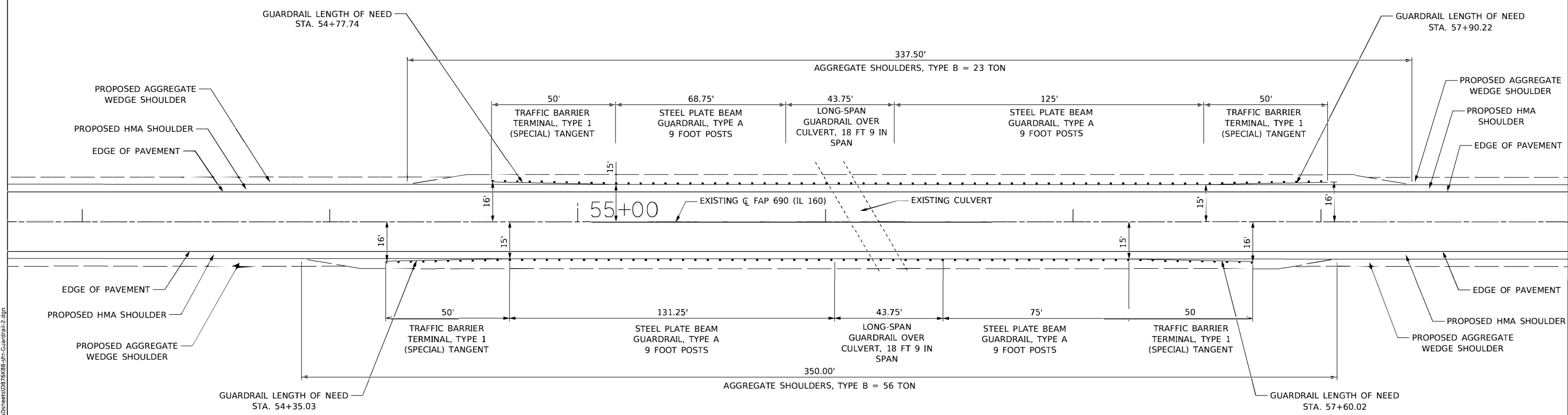
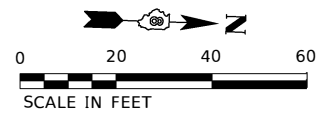
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 690	SECTION (15.15X)RS-3	COUNTY MADISON	TOTAL SHEETS 17	SHEET NO. 8
CONTRACT NO. 76K88				
ILLINOIS FED. AID PROJECT				



NOTE:
 CONTRACTOR SHALL CENTER LONG-SPAN GUARDRAIL OVER CULVERT, 18 FOOT 9 INCH SPAN OVER EXISTING CULVERT AND THEN CONSTRUCT GUARDRAIL IN BOTH DIRECTIONS FROM THAT POINT.
 ALL DIMENSIONS SHOWN ARE TO THE FACE OF GUARDRAIL.

ALL EXISTING GUARDRAIL SHALL BE REMOVED, HOWEVER ONLY PROPOSED GUARDRAIL IS SHOWN. SEE GUARDRAIL SCHEDULE.

REV. 4-8-2019

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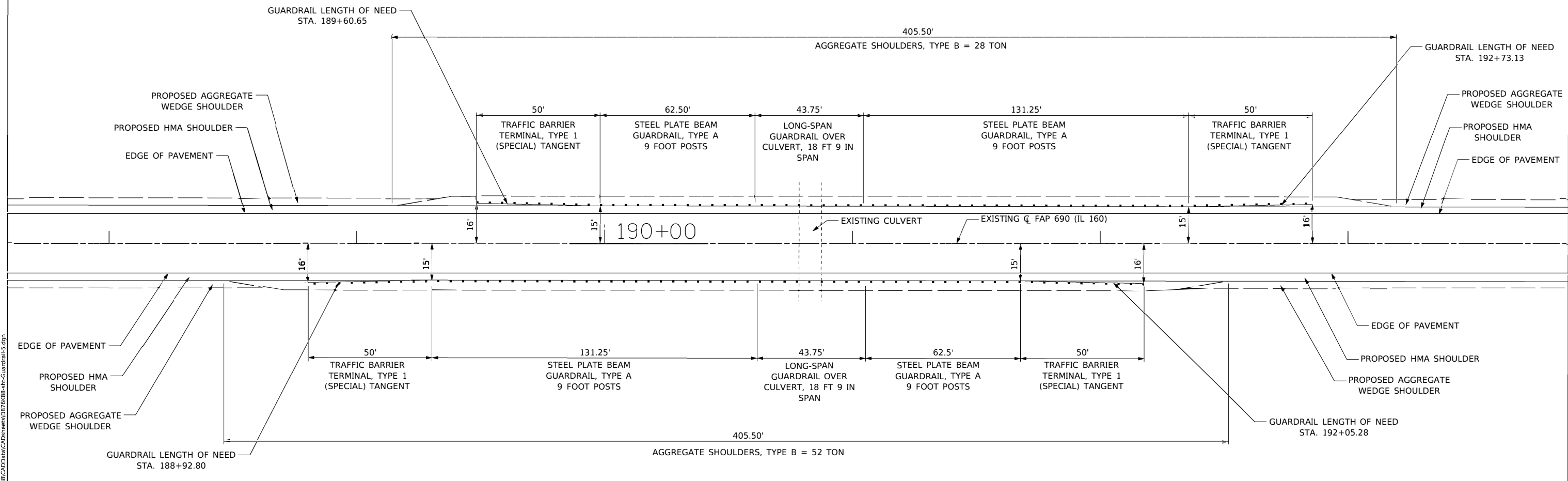
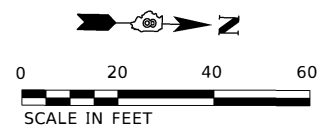
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL PLAN
 LOCATION #2**

SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. 53+00 TO STA. 59+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(15.15X)RS-3	MADISON	17	12
			CONTRACT NO. 76K88	
ILLINOIS FED. AID PROJECT				



NOTE:
 CONTRACTOR SHALL CENTER LONG-SPAN GUARDRAIL OVER CULVERT, 18 FOOT 9 INCH SPAN OVER EXISTING CULVERT AND THEN CONSTRUCT GUARDRAIL IN BOTH DIRECTIONS FROM THAT POINT.
 ALL DIMENSIONS SHOWN ARE TO THE FACE OF GUARDRAIL.

ALL EXISTING GUARDRAIL SHALL BE REMOVED, HOWEVER ONLY PROPOSED GUARDRAIL IS SHOWN. SEE GUARDRAIL SCHEDULE.

REV. 4-8-2019

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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL PLAN
 LOCATION #5**

SCALE: 1"=20' SHEET 4 OF 4 SHEETS STA. 188+00 TO STA. 194+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(15.15X)R5-3	MADISON	17	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76K88	