# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS**

# CH 12 TAX SCHOOL ROAD ROAD IMPROVEMENTS FAS 371 (TAX SCHOOL ROAD)

SECTION: 16-00093-01-RS PROJECT: RS-0371(108) MARSHALL COUNTY, ILLINOIS

C-94-048-16

# STANDARDS

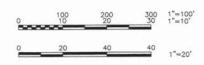
INDEX OF SHEETS TITLE SHEET

GENERAL NOTES & SUMMARY OF QUANTITIES SCHEDULE OF QUANTITIES

TYPICAL SECTIONS & PROJECT OVERVIEW

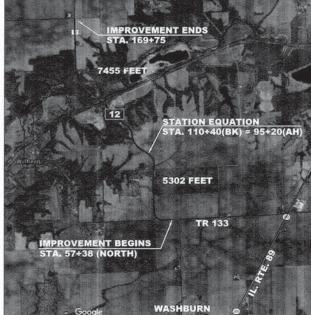
MISCELLANEOUS DETAILS

630001-10 STEEL PLATE BEAM GUARDRAIL (SHEETS 1 TO 4) 630301-06 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS (SHEETS 1 TO 2) 701011-04 OFF-ROAD MOVING OPERATIONS, 2 LANE, 2 WAY DAY ONLY 701201-04 LANE CLOSURE, 2 LANE, 2 WAY, DAY ONLY, FOR SPEEDS 45 MPH
701301-04 LANE CLOSURE, 2 LANE, SHORT TIME OPERATIONS >
701306-03 LANE CLOSURE, 2 LANE, SHORT TIME OPERATIONS >
BLANE CLOSURE, 2 LANE, 2 WAY, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS 45 MPH
85 MPH 27-1 TRAFFIC BARRIER TERMINALS TYPE 5A



FULL SIZE PLANS (22x34) HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZE PLANS WILL NOT CONFORM TO STANDARD SCALES. WHEN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED,





NET LENGTH 12,757 FEET 2,416 MILES

371 16-00093-01-RS MARSHALL 6 ILLINOIS CONTRACT NO. 89703



SE & SW & SECTION 25 NE & NW 1 SECTION 36

PATRICK SLOAN, PE LICENSED PROFESSIONAL ENGINEER ILLINOIS NO. 43444 EXPIRES 11-30-17

BID BASED ON Mark 19 2016

LIMITED REVIEW

REGION THREE ENGINEER

AGENCY RESPONSIBLE

MARSHALL COUNTY ENGINEER

MIGNEER OF LOCAL ROADS AND STREETS

CALL JULIE 1-800-892-0123 SEC. & 1/4 SEC. NO. 48 HOURS BEFORE YOU DIG. EXCLUDING SAT., SUN., & HOLIDAYS

DESIGNED BY: MARSHALL COUNTY HIGHWAY DEPARTMENT

CATALOG NUMBER: 035344-02

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

#### GENERAL NOTES

THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2016 AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2016 SHALL GOVERN THE CONSTRUCTION OF THE PROPOSED WORK EXCEPT AS MODIFIED BY THE DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES ON SITE PRIOR TO ANY CONSTRUCTION AND WILL BE HELD RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THEIR FACILITIES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF UTILITIES. THE CONTRACTOR SHALL CALL J.U,L,I,E, AT 1-800-892-0123 FOR UTILITY LOCATIONS.

THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRS TO ANY UTILITY LINE AND EXISTING IMPROVEMENTS TO REMAIN THAT ARE DAMAGES AS A RESULT OF THE WORK.

ALL EXISTING SURROUNDING AREAS AND PROPERTIES SHALL BE PROTECTED FROM DAMAGE AND LEFT UNDAMAGED BY THE OPERATION OF THE CONTRACTOR. ANY OF THE SURROUNDING PROPERTY DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO AN EQUAL OR BETTER CONDITION THAN WHAT EXISTED PRIOR TO CONSTRUCTION AT THE CONTRACTOR'S FXPENSE.

ADJUSTMENTS OF PROPOSED GRADES TO MATCH EXISTING ENTRANCES OR OTHER FIELD CONDITIONS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCY IMMEDIATELY.

THE SUMMARY OF QUANTITIES HAS BEEN PROVIDED FOR THE CONTRACTOR'S REFERENCE, CONTRACTOR IS ALERTED TO THE FACT THAT THESE NUMBERS ARE ESTIMATES AND IT IS RECOMMENDED THAT THE CONTRACTOR VERIFY QUANTITIES PRIOR TO ORDERING MATERIALS.

THE OWNER RESERVES THE RIGHT TO REDUCE ANY QUANTITY OR DELETE PAY ITEMS FROM THIS CONTRACT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EXCESS MATERIAL, IF NOT USED FOR OTHER ON-SITE PURPOSES, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF OFF-SITE BY THE CONTRACTOR.

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.08 OF THE I.D.O.T. STANDARD SPECIFICATIONS, UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH PROPERTY OWNER AND A COPY TO THE ENGINEER FOR SHORT—TERM CLOSURES.

EXISTING ROAD SIGNS THAT INTERFERE WITH THE CONSTRUCTION WILL BE RELOCATED AS DIRECTED BY THE ENGINEER OR OWNER, AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED, SIGN REMOVAL, STORAGE AND RELOCATION'S SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND WILL NOT BE PAID FOR SEPARATELY.

THE WORK AREA SHALL BE POSITIVELY DRAINED DURING CONSTRUCTION, FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION, AND TRAFFIC.

CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED.

EROSION CONTROL IS A REQUIREMENT OF THIS PROJECT, ANY FINES OR PENALTIES LEVIED AGAINST THIS PROJECT FOR NONCOMPLIANCE WILL BE BORNE SOLELY BY THE CONTRACTOR.

PERIMETER EROSION BARRIER, TEMPORARY DITCH CHECKS, AND OTHER EROSION CONTROL ITEMS SHALL BE INSPECTED BY THE CONTRACTOR AFTER EACH RAIN EVENT AND REPAIRS

#### ENVIRONMENTAL REVIEWS

SHALL BE MADE BY THE CONTRACTOR AS NEEDED.

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN—AROUND, ETC.) AND/PR WASTE AREAS, THE CONTRACTORS SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

#### COMMITMENTS

THERE ARE NO COMMITMENTS.

#### SUMMARY OF QUANTITIES

ITEM PAY CODE	ITEM	UNIT	TOTAL QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	28065
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	406
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	7417
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	4238
40800050	INCIDENTAL HOT MIX ASPHALT SURFACING	TON	229
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2083
63000001	STEEL BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1206
63000003	STEEL BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1929
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	8
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	12
63200310	GUARDRAIL REMOVAL	FOOT	3839
67100100	MOBILIZATION	L SUM	1
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	49135
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1

A SPECIALTY ITEMS

### HMA MIXTURE REQUIREMENTS

LOCATION(S);	PROJECT # RS-0371(108)
USE(S):	BINDER AND SURFACE
PG:	58-22
DESIGN AIR VOIDS:	4% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5
FRICTION AGGREGATE:	MIX "C"
MIXTURE WEIGHT:	112 LBS/IN/SQ YD
QUALITY MANAGEMENT PROGRAM:	QCQA
SUBLOT SIZE:	N.A.

DESIGNED - PGS	EXAMINED	DATE
CHECKED - PGS	ACTING ENGINEER OF BRIDGE DESIG	3N
DRAWN - JLP	PASSED	REVISED
CHECKED - PGS	ACTING ENGINEER OF BRIDGES AND STRU	ICTURES REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND SUMMARY OF QUANTITIES

	F.A.S. RTE.	SECTION		COUNTY	TOTAL		
	371 16-00093-01-		RS	MARSHALL	6	2	
			ILLINOIS	CONTRACT NO.	89703		١

## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

## 40600982 HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

STATION	SQ YD
STA. 57+38	122
STA. 114+95	81
STA. 120+80	81
STA. 169+75	122
TOTAL	406

# 48203017 HOT MIX ASPHALT SHOULDERS, 5", 4' WIDE,

RIGHT SI	HOULDER	EXISTING							
STATION		SHOULDER				HMA SHOULDERS		GUARDRAIL LIMITS	
BEGIN	END	AGG/HMA	LENGTH,FT	WIDTH,FT	DEPTH,IN	AREA,SY	TONS	BEGIN	END
<b>⊠</b> 944	6626	AGG*	682	4	5	303	85		
10206	10956	AGG*	750	4	5	333	93		
10000	11500	HMA	1500	4	5	667	187	10700	11402
11670	11900	HMA	230	4	5	102	29	11670	11900
12080	12350	HMA	270	4	5	120	34	12080	12113
13075	14175	HMA	1100	4	5	489	137		
		io —	10		SUB TOTAL	2014	565		100

LEFT SHOULDER STATION		EXISTING							
		SHOULDER				HMA SHOULDERS		GUARDR	AL LIMITS
BEGIN	END	AGG/HMA	LENGTH,FT	WIDTH,FT	DEPTH,IN	AREA,SY	TONS	BEGIN	END
8906	9766	AGG*	860	4	5	382	107	8945	9195
9580	11500	HMA	1920	4	5	853	239	10750	11450
11670	11900	HMA	230	4	5	102	29	11865	11900
12080	13390	HMA	1310	4	5	582	163	12600	13390

SUB TOTAL 1919 538 TOTAL 3933 1103

# 78001110 PAINT PAVEMENT MARKING - LINE 4"

STATION	WHITE EDGE ROAD	YELLOW CENTERLINE	DASHED YELLOW	
STA. 57+38 TO STA. 169+75	25514			1
STA. 57+38 TO STA. 150+20		21604		
STA. 150+20 TO STA. 158+20		800		
STA. 162+00 TO STA. 169+00		700		
STA. 150+20 TO STA. 169+75			489	
WASBURN ROAD			28	
SUB TOTAL	25514	23104	517	TOTAL 49135

# ENTRANCE AND MAILBOX TURNOUT

STA.	RIGHT LEFT	TYPE	WIDTH	LENGTH FEET	TAPPER FEET	HMA/AREA SQUARE YARD
7470	RIGHT	F.E.	22	5	5	15
8135	RIGHT	P.E	22	5	5	15
8241	LEFT	MB	20	4	30	22.2
8254	LEFT	F.E.	22	5	5	15
8270	RIGHT	P.E.	22	5	5	15
8276	LEFT	F.E.	22	5	5	15
8877	LEFT	MB	20	4	30	22.2
8894	LEFT	P.E.	22	5	5	15
9367	RIGHT	F.E.	40	5	5	25
10143	LEFT	F.E.	22	5	5	15
10543	LEFT	MB	20	4	30	22.2
10570	LEFT	P.E.	22	5	5	15
	EQUATION				SUB	211.60 SY

STA.	RIGHT LEFT	TYPE	WIDTH	LENGTH FEET	TAPPER FEET	HMA/AREA SQUARE YARD
9680	LEFT	MB	20	4	30	22.2
9687	RIGHT	P.E	32	5	5	20.6
9700	LEFT	P.E.	16	5	5	11.7
9913	LEFT	P.E.	16	5	5	11.7
10050	LEFT	P.E.	16	5	5	11.7
10081	LEFT	MB	20	4	30	22.2
11447	RIGHT	C.E.	30	5	5	19.4
11720	LEFT	P.E.	24	5	5	16.1
12332	RIGHT	C.E.	16			180
12405	LEFT	MB	20	4	30	22.2
13935	RIGHT	P.E.	16	5	5	11.7
13950	LEFT	MB	20	4	30	22.2
14165	RIGHT	P.E.	20	5	5	13.9
14175	LEFT	MB	20	4	30	22.2
15193	LEFT	F.E.	16	5	5	11.7
15238	LEFT	F.E.	16	5	5	11.7
15370	LEFT	F.E.	16	5	5	11.7
15386	RIGHT	P.E.	16	5	5	11.7
15396	LEFT	MB	20	4	30	22.2
16350	RIGHT	F.E.	16	5	5	11.7
16720	LEFT	F.E.	16	5	5	11.7
16795	LEFT	SR-CH	16		SUB	500.20 SY
F 001	MERCIA	ELIED			TOTAL	711.80 SY

C.E. COMMERCIAL ENTRANCE F.E. FIELD ENTRANCE P.E. PRIVATE ENTRANCE MB MAILBOX TURNOUT SR SIDE ROAD

	FLR	S	S		
		POST	POST	_	
	SPL	772		T5A	>
	F	6FT	F	×	REMOV
		<	< <	TERM	
	169 R TRM	5≿	73	75 AR	SAIL SAIL
	0016 BAR	989	000 GR	00	2003 RDR
	631 TR	63000001 SPBGR TY	63000003 SPBGR TY	63000075 TRAF BAR	63200310 GUARDRAIL
GUARDRAIL	EACH	FOOT	FOOT	EACH	FOOT
STA. 89+00 TO STA. 89+50, RT.	1	X	X	X	50
STA. 89+50 TO STA. 91+25, RT.	X	175	X	X	175
STA. 91+25 TO STA. 91+75, RT.	1	X	X	X	50
STA. 89+45 TO STA. 89+95, LT.	1	X	X	X	50
STA. 89+95 TO STA. 91+45, LT.	X	150	X	X	150
STA. 91+45 TO STA. 91+95, LT.	1	X	Х	X	50
STA. 107+90 TO STA. 108+40, LT.	1	×	X	X	50
STA. 107+90 TO STA. 108+40, LT. STA. 108+40 TO STA. 109+90, LT.	X	150	X	X	150
STA. 109+90 TO STA. 110+40, LT.	1	X	X	X	50
STATION EQUATION					
110+40(BK) = 95+20(AH)					
STA. 106+77 TO STA. 107+27, RT.	1	X	X	X	50
STA. 107+27 TO STA. 114+02, RT.	Χ	X	675	X	675
STA. 114+02 TO STA. 114+28, RT.	X	X	39*	X	39
STA. 107+26 TO STA. 107+76, LT.	1	X	X	X	50
STA. 107+76 TO STA. 107+76, LT.	X	X	700	×	700
STA. 114+76 TO STA. 114+89, LT.	X	X	X	1	13
STA. 114+66 TO STA. 114+87, RT.	X	X	39*	1 1	39 13
STA. 114+87 TO STA. 115+00, RT.	_ X	X	X		13
STA. 116+68 TO STA. 116+81, LT.	X	X	X	1	13
STA. 116+81 TO STA. 117+04, LT.	Х	Х	39*	X	39
STA. 116+79 TO STA. 116+92, RT. STA. 116+92 TO STA. 118+75, RT.	X	X	X 183	1 X	13
STA. 118+75 TO STA. 118+88, RT.	X	X	X	1	13
STA. 117+36 TO STA. 117+62, LT.	X	Х	39*	X	39
STA. 117+62 TO STA. 118+88, LT.	X	X	126	X	126
STA. 118+88 TO STA. 119+01, LT.	X	X	X	1	13
STA. 120+75 TO STA. 120+88, RT.	Х	Х	X	1	13
STA. 120+88 TO STA. 121+14, RT.	X	Х	26	X	26
STA. 121+14 TO STA. 121+64, RT.	1	Х	X	X	50
STA. 120+88 TO STA. 121+01, LT.	X	X	X	1	13
STA. 121+01 TO STA. 121+64, LT.	X	X	63	×	63
STA. 121+64 TO STA. 122+14, LT.	1	X	X	X	50
			10,075-5		
STA. 125+80 TO STA. 126+61, LT.	1	X	X	X	50
STA. 126+30 TO STA. 133+61, LT. STA. 133+61 TO STA. 134+11, LT.	1 1	731 X	X	X	731 50
TOTALS	12	1206	-	8	3839

DESIGNED	-	PGS	EXAMINED		DATE	
CHECKED	T	PGS	_	ACTING ENGINEER OF BRIDGE DESIGN		
DRAWN	-	JLP	PASSED		REVISED	
CHECKED	-	PGS		ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

SCHEDULE	OF	QUANTITIES

F.A.S. RTE.	.S. SECTION		COUNTY	TOTAL	
				SHEETS	NO.
371	16-00093-01	-RS	MARSHALL	6	3
FED. ROAD DIST. NO. ILLINOIS		CONTRACT NO 90703			

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

<sup>\*</sup> EXISTING AGGREGATE SHOULDERS SHALL BE CORED AND RECEIVE A MINIMUM OF 6" AGGREGATE BASE COURSE, TYPE B, PRIOR TO PLACING HMA SHOULDERS.

