FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87N 0064-01	1997	101A	130

PHASE I QUANTITIES

ITEM	QUANTITY	UNIT
4" SOLID TYPE I TAPE (YELLOW)	10.15	STA/LINE
4" SOLID TYPE II TAPE (YELLOW)	138.15	STA/LINE
4" SOLID TYPE I TAPE (WHITE)	12.35	STA/LINE
4" SOLID TYPE II TAPE (WHITE)	137.65	STA/LINE
REFLECTORIZED DRUM	248	EACH
FLAGGER (SET)	1	HOUR
TYPE III BARRICADES	20	EACH
ARROW DISPLAY	3	EACH
TEMPORARY TRAFFIC SIGNALS (SETS)		LUMP SUM
TRAFFIC SIGNAL INSTALLATION (TEMPORARY)	1	LUMP SUM
CONSTRUCTION WARNING LIGHT (TYPE "B" HIGH INTENSITY)	20	EACH
EXISTING PAVEMENT MARKING REMOVAL	7615	LIN. FT.
W20-1	4	EACH
W20-3	5	EACH
W20-5	3	EACH
G20-2a	4	EACH
W4-2R	2	EACH
W4-2L	1	EACH
R3-2	17	EACH
R3-3	2	EACH
R4-7	3	EACH
R11-2	10	EACH
W20-7a	2	EACH
I104	2	EACH
I105	2	EACH

PHASE IA QUANTITIES

ITEM	QUANTITY	UNIT
4" SOLID TYPE I TAPE (YELLOW)	13.10	STA/LINE
4" SOLID TYPE II TAPE (YELLOW)	138.15	STA/LINE
4" SOLID TYPE I TAPE (WHITE)	6.45	STA/LINE
4" SOLID TYPE II TAPE (WHITE)	137.65	STA/LINE
REFLECTORIZED DRUM	236	EACH
FLAGGER (SET)	1	HOUR
TYPE III BARRICADES	20	EACH
ARROW DISPLAY	2	EACH
TEMPORARY TRAFFIC SIGNALS (SETS)		LUMP SUM
TRAFFIC SIGNAL INSTALLATION (TEMPORARY)	1	LUMP SUM
CONSTRUCTION WARNING LIGHT (TYPE "B" HIGH INTENSITY)	20	EACH
EXISTING PAVEMENT MARKING REMOVAL	700	LIN. FT.
W20-1	4	EACH
W20-3	5	EACH
W20-5	3	EACH
G20-2a	4	EACH
W4-2L	2	EACH
W4-2R	1	EACH
R3-2	17	EACH
R3-3	2	EACH
R4-7	3	EACH
R11-2	10	EACH
W20-7a	2	EACH
I104	2	EACH
I105	2	EACH

PHASE II QUANTITIES

ITEM	QUANTITY	UNIT
4" SOLID TYPE I TAPE (YELLOW)	150.60	STA/LINE
4" SOLID TYPE I TAPE (WHITE)	76.60	STA/LINE
REFLECTORIZED DRUM	240	EACH
FLAGGER (SET)	1	HOUR
TYPE III BARRICADES	32	EACH
ARROW DISPLAY	1	EACH
TEMPORARY TRAFFIC SIGNALS (SETS)		LUMP SUM
TRAFFIC SIGNAL INSTALLATION (TEMPORARY)	1	LUMP SUM
CONSTRUCTION WARNING LIGHT (TYPE "B" HIGH INTENSITY)	32	EACH
EXISTING PAVEMENT MARKING REMOVAL	2100	LIN. FT.
W20-1	4	EACH
W20-3	11	EACH
W20-5	3	EACH
G20-2a	4	EACH
W4-2L	2	EACH
W4-2R	1	EACH
R3-2	11	EACH
R3-3	2	EACH
R4-7	2	EACH
R5-1	2	EACH
R6-1L	3	EACH
R11-2	16	EACH
W20-7a	2	EACH
I104	2	EACH
I105	2	EACH

PHASE IIA QUANTITIES

ITEM	QUANTITY	UNIT
4" SOLID TYPE I TAPE (YELLOW)	148.15	STA/LINE
4" SOLID TYPE I TAPE (WHITE)	78.95	STA/LINE
REFLECTORIZED DRUM	240	EACH
FLAGGER (SET)	1	HOUR
TYPE III BARRICADES	32	EACH
ARROW DISPLAY	2	EACH
TEMPORARY TRAFFIC SIGNALS (SETS)		LUMP SUM
TRAFFIC SIGNAL INSTALLATION (TEMPORARY)	1	LUMP SUM
CONSTRUCTION WARNING LIGHT (TYPE "B" HIGH INTENSITY)	32	EACH
EXISTING PAVEMENT MARKING REMOVAL	800	LIN. FT.
W20-1	4	EACH
W20-3	11	EACH
W20-5	3	EACH
G20-2a	4	EACH
W4-2L	1	EACH
W4-2R	2	EACH
R3-2	10	EACH
R3-3	3	EACH
R4-7	3	EACH
R5-1	2	EACH
R11-2	16	EACH
W20-7a	2	EACH
I104	2	EACH
I105	2	EACH

SUMMARY OF TRAFFIC CONTROL DEVICES (EACH PER DAY)

DELINEATORS & CHANNELIZING DEVICES (EACH)

BARRICADES		DRUMS	PAVEMENT MARKERS			VERTICAL PANELS	
TY I OR TY II	TYPE III (9' TO 14')		TUBULAR	TYPE I	TYPE II	SINGLE	BACK TO BACK
10	32	248					

LIGHTING DEVICES (EACH)

CONSTRUCTION WARNING LIGHT (TYPE "B" HIGH INTENSITY)	32
ARROW DISPLAY	3
TEMP. TRAFFIC SIGNALS (SETS)	

CONCRETE SAFETY BARRIER (SECTIONS)

TYPE I (TEMPORARY)	
TYPE IV (TEMPORARY)	

CONSTRUCTION SIGNS (EACH)

MUTCD NO.	SIZE - SQ.FT.		
	0-9.25	9.26-16.25	16.26 & OVER
W20-1		4	
W20-3		11	
W20-5		3	
W4-2R	2		
W4-2L	2		
G20-2a	4		
R3-2	17		
R3-3	3		
R4-7	3		
R5-1	2		
R6-1L	3		
R11-2		16	
I-104			2
I-105			2

RECAPITULATION OF QUANTITIES

ITEM	QUANTITY	UNIT
CONSTRUCTION SIGNS (0 TO 9.25 SQ.FT.)	10,530	EACH PER DAY
CONSTRUCTION SIGNS (9.26 TO 16.25 SQ.FT.)	9,945	EACH PER DAY
CONSTRUCTION SIGNS (16.26 SQ.FT. & OVER)	1,170	EACH PER DAY
CONSTRUCTION BARRICADES (TYPE I OR II)	2,925	EACH PER DAY
CONSTRUCTION BARRICADES (TYPE III - 4' TO 8')		EACH PER DAY
CONSTRUCTION BARRICADES (TYPE III - 9' TO 14')	9,360	EACH PER DAY
CONSTRUCTION WARNING LIGHT (TYPE "B" HIGH INTENSITY)	9,360	EACH PER DAY
REFLECTORIZED DRUM	72,540	EACH PER DAY
ARROW DISPLAY	880	EACH PER DAY
TUBULAR MARKERS		EACH PER DAY
VERTICAL PANELS (SINGLE TYPE)		EACH PER DAY
VERTICAL PANELS (BACK TO BACK TYPE)		EACH PER DAY
OBJECT MARKERS		EACH PER DAY
CONCRETE SAFETY BARRIER (TYPE I) (TEMPORARY)		SECTION/DAY
CONCRETE SAFETY BARRIER (TYPE IV) (TEMPORARY)		SECTION/DAY
PAVEMENT MARKING (TEMPORARY)		
4" BROKEN (8.2') (TYPE I TAPE)		STA./LINE
4" SOLID (TYPE I TAPE)	496.4	STA./LINE
4" BROKEN (8.2') (TYPE II)		STA./LINE
4" SOLID (TYPE II)	551.6	STA./LINE
PAVEMENT MARKING (TEMPORARY STRIPING)		
4" BROKEN (3.3') (TYPE II OR IIA TAPE)		MILE/LINE
4" SOLID (TYPE II OR IIA TAPE)		MILE/LINE
EXISTING PAVEMENT MARKING REMOVAL	12,770	LIN. FT.
GLARE SCREEN		LIN. FT.
TEMPORARY RAISED PAVEMENT MARKER (TYPE I)		EACH
TEMPORARY RAISED PAVEMENT MARKER (TYPE II)		EACH
INERTIAL BARRIER SYSTEM		EACH
MODULE F200 (REPLACEMENT)		EACH
MODULE F400 (REPLACEMENT)		EACH
MODULE F700 (REPLACEMENT)		EACH
MODULE F1400 (REPLACEMENT)		EACH
MODULE F2100 (REPLACEMENT)		EACH
TRAFFIC SIGNAL INSTALLATION (TEMPORARY)	1	LUMP SUM
TEMPORARY TRAFFIC SIGNALS		LUMP SUM
TRAFFIC CONTROL		LUMP SUM
FLAGGER (SET)	1	HOUR
COMMERCIAL GRADE ASPHALT (6")	1600	TONS
PAVEMENT MARKING REMOVAL	1555	LIN. FT.

NO.	DATE	REVISIONS	BY	APP'D
3	7-8-96	REVISED TEMPORARY TAPE	WPR	NAB
2	7-8-94	REVERSE TYPE I AND TYPE II TAPE DESIGNATIONS	WPR	NAB
1	5-23-94	1994 MUTCD REVISIONS	WPR	NAB

KANSAS DEPARTMENT OF TRANSPORTATION

SUMMARY OF DEVICES AND RECAPITULATION OF QUANTITIES

TE751 10/13/93

FHWA APPROVAL	8-1-96	APP'D	Nolda A. Buckley
DESIGNED	DETAILED	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.