STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	01	70

FEDERAL AID PROJ. NO.

SIGNING & DELINEATION

INDEX OF SHEETS
SEE SHEET NO. 2

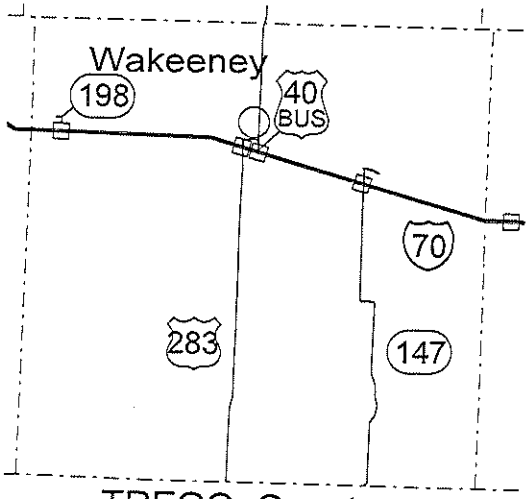
STATE OF KANSAS

DEPARTMENT OF TRANSPORTATION

SIGNING AND DELINEATION

STATE HIGHWAY

FEDERAL AID PROJECT



TREGO County
Subarea 334

PROJECT NUMBER	KA-4112-01
GROSS LENGTH OF PROJECT	
EXCEPTIONS	
ADDITIONS	
NET LENGTH OF PROJECT	53.48 Miles

Approved _____
Date

State Transportation Engineer

By:

Chief, Bureau of Transportation Safety & Technology

KANSAS DEPARTMENT OF TRANSPORTATION

KDOT Graphics Certified 10-29-2015

Sh. No. 01

DESIGNED	-	XX-XX-XXXX
DETAILED	-	XX-XX-XXXX
CHECKED	-	XX-XX-XXXX

Drawn By: bilb
File: KA411201pss400-01.dgn (KA411201pss400-01)
Plotted: 09-DEC-2015 09:29

KDOT Graphics Certified

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	02	70

SYMBOL KEY

- REMOVE SIGN
- REMOVE POST
- REMOVE FOOTING
- REMOVE SIGN & POST
- REMOVE POST & FOOTING
- REMOVE SIGN, POST, & FOOTING
- MOUNT ON WOOD POST IN CONCRETE FOOTING
- MOUNT ON WOOD POST IN SOIL
- MOUNT ON STEEL BEAM BREAKAWAY POST
- MOUNT ON STEEL U-POST
- MOUNT ON PSST POST
- MOUNT ON PSST POST WITH COUPLER
- MOUNT ON PSST POST WITH COUPLER AND FOOTING
- MOUNT ON EXISTING POST
- MOUNT ON VERTICAL SUPPORT
- SHOULDER MOUNTED INSTALLATION
- OFFSET MOUNTED INSTALLATION
- EXISTING SIGN
- EXISTING SIGN TO BE OVERLAID
- SIGN IS NOT PART OF PROJECT
- TYPE 'A' DELINEATOR (RIGID)
- TYPE 'B' DELINEATOR (RIGID)
- TYPE 'A' DELINEATOR (FLEXIBLE)
- TYPE 'B' DELINEATOR (FLEXIBLE)
- TYPE 2 OBJECT MARKER
- TYPE 3 OBJECT MARKER

GENERAL NOTES

IN ORDER TO EXPEDITE THE COMPLETION OF THE PROJECT FOR TRAFFIC SERVICE, THE SIGNING AND DELINEATOR WORK SHALL BE SEQUENCED WITH ANY OTHER CONTRACT WORK SUCH THAT THE PHASES OF CONSTRUCTION MAY PROCEED AND BE COMPLETED AT THE SAME TIME.

NEW SIGNS ERECTED ON THE PROJECT WHICH ARE IN CONFLICT WITH EXISTING SIGNING ARE TO BE COMPLETELY COVERED UNTIL THE EXISTING SIGNS ARE REMOVED OR THE NEW SIGNING IS APPLICABLE. THE EXISTING SIGNS THAT ARE BEING REPLACED, REMOVED, OR DO NOT FOLLOW THE CURRENT MUTCD SIGNING STANDARDS ARE TO BE REMOVED WHEN THE PROJECT IS COMPLETED OR AS DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL EXERCISE CAUTION AT ALL TIMES WHEN INSTALLING SIGN SUPPORTS IN AND AROUND AREAS WHERE UTILITIES EXIST, EITHER UNDERGROUND OR OVERHEAD, AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE INCURRED TO THE SYSTEM. THE INSTALLATION OF SIGN SUPPORTS SHALL INCLUDE THE EXCAVATION, DRILLING, OR DRIVING THE SUPPORT FOOTING AND THE ERECTION OF THE SIGN SUPPORT. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING AROUND ANY EXISTING SIGNS THAT ARE TO REMAIN AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO THE SIGNS, SUPPORTS, OR FOOTINGS. THE CONTRACTOR SHALL EXERCISE CARE WHEN WORKING AROUND SHRUBBERY WHILE REMOVING OR INSTALLING SIGNS OR SIGN SUPPORTS.

AN EXISTING SIGN POST INSTALLATION SHALL BE PLUMB AND THE COMPACTION OF THE BACKFILL SOIL SHALL COMPLY WITH THE SPECIFICATIONS AFTER THE REMOVAL AND RESETTING OF A SIGN, THE REMOVAL AND REPLACEMENT OF A SIGN, OR THE INSTALLATION OF A NEW SIGN.

THE CONTRACTOR SHALL PROVIDE MOUNTING BOLTS THAT ARE OF A LENGTH THAT DOES NOT EXTEND MORE THAN A NOMINAL 1 INCH BEYOND THE SIGN POST. THE CONTRACTOR SHALL NOT MAKE ANY FIELD MODIFICATIONS TO THE MOUNTING BOLT PRIOR TO OR AFTER THE SIGN IS INSTALLED.

SPECIFIC SERVICE, LOGO, SIGNS THAT ARE TO BE REMOVED SHALL HAVE THE BUSINESS LOGO PLAQUES REMOVED AND TRANSPORTED TO LOCATION DETERMINED BY KDOT, AT WHICH TIME THE PLAQUES BECOME THE PROPERTY OF KDOT. THE CONTRACTOR WILL BE ASSESSED A REPLACEMENT COST FOR ANY DAMAGE TO A BUSINESS LOGO PLAQUE PRIOR TO THE PLAQUE BECOMING THE PROPERTY OF KDOT.

THE MATERIALS AND FABRICATION FOR SIGNING AND DELINEATION WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR STATE ROAD AND BRIDGE CONSTRUCTION (2015 EDITION) AND SPECIAL PROVISIONS.

INDEX OF SHEETS

02	SIGNING INDEX, SYMBOLS, & GENERAL NOTES (te402)
03	POST SPACING & SIGN ANGLE DETAILS (te404)
04	HEIGHT & LATERAL DISTANCE FOR ERECTION (te406)
	POSITIONING OF DELINEATORS AND OBJECT MARKERS (TYPE 2& 3)
05	DESIGN & MOUNTING DETAILS FOR DELINEATORS (te418)
	DESIGN & MOUNTING DETAILS FOR OBJECT MARKERS (TYPE 2 & 3)
6-20	PLAN SHEETS (US-283 INSTALLATIONS)
21-31	PLAN SHEETS (K-147 INSTALLATIONS)
32	PLAN SHEETS (K-198 INSTALLATIONS)
33-34	PLAN SHEETS (US-40 BUS INSTALLATIONS)
35-40	QUANTITIES SHEETS (INSTALLATIONS) (te433hp)
	QUANTITIES SHEET (DELINEATORS & OBJECT MARKERS)
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	MOUNTING OF FLAT SHEET SIGNS ON STEEL I-BEAM POSTS
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48-49	DETAILS FOR PROCESSED SIGNS (te512, te515)
	DETAILS FOR REINFORCED PANELS
50-52	DETAILS FOR GUIDE SIGN LEGEND (te557, te 560, te563)
53-58	DETAILS FOR GUIDE SIGNS
59	DETAILED SIGN SPECIFICATIONS (te590)
60-69	TRAFFIC CONTROL (te700 series)

NO.	DATE	REVISIONS	BY	APPD.
1	7/7/16	Changed Construction and Road Base Date	D.E.G.	D.A.

KANSAS DEPARTMENT OF TRANSPORTATION

SIGNING SYMBOL KEY
GENERAL NOTES
AND INDEX

~~TE402~~ 7/1/03

KDOT Graphics Certified 11-17-2015

Sh. No. 02

KDOT Graphics Certified

Drawn By: bilb
File: KA4112O1pss402-01.dgn (KA4112O1$se#02-01)
Plotted: 09-DEC-2015 09:29

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	35	70

QUANTITIES SHEET

SIGNS TO BE INSTALLED ON PROJECT

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	TYPE OF SIGN: FLAT SHEET TOTAL SQ FT	TYPE OF SIGN: REINFORCED PANEL SQ FT PER SIGN	TYPE OF SIGN: REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
1	KI-92	60" x 24"	10.0	10.00			WaKeeney CITY LIMIT RP 0.066 See Sheet No. 54
1	KD7-2L	72" x 24"	12.0	12.00			Kansas Veterans ← Cemetery RP 0.417 See Sheet No. 58
1	KD7-2R	72" x 24"	12.0	12.00			Kansas Veterans Cemetery → RP 0.465 See Sheet No. 58
1	D1-2	84" x 30"	17.5	17.50			↑ Hill City ← Barclay Ave → RP 0.653 See Sheet No.58
3	D9-2	24" x 24"	4.0	12.00			Hospital
1	KD9-0L	24" x 6"	1.0	1.00			Blue Horizontal Arrow (Lft) Sheet 54
1	KD9-0R	24" x 6"	1.0	1.00			Blue Horizontal Arrow (Rt) Sheet 54
1	M(I)6-3	21" x 15"	2.19	2.19			Dir Arrow Straight Ahead (Blue)
1	KI-29L	48" x 30"	10.0	10.00			Business Dist (Left Arrow) Sheet 54
3	M1-4	24" x 24"	4.0	12.00			US-40
2	M1-4	30" x 24"	5.0	10.00			US-283
3	M4-3	24" x 12"	2.0	6.00			"Business" plaque
2	M4-5	24" x 12"	2.0	4.00			"To" plaque
2	M6-1L	21" x 15"	2.19	4.38			Directional Arrow left
2	M6-1R	21" x 15"	2.19	4.38			Directional Arrow right
25				118.44			

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	TYPE OF SIGN: FLAT SHEET TOTAL SQ FT	TYPE OF SIGN: REINFORCED PANEL SQ FT PER SIGN	TYPE OF SIGN: REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
3	R1-1	30" x 30"	5.18	15.54			Stop
1	R2-1	24" x 30"	5.0	5.00			Speed Limit 30
3	R2-1	24" x 30"	5.0	15.00			Speed Limit 50
4	R3-9b	24" x 36"	6.0	24.00			Center Lane (Left Turn) only
1	W3-5	36" x 36"	9.0	9.00			Speed Reduction (30 MPH)
12				68.54			

NOTE:
SEE STANDARD PLAN SHEET TE590
FOR DETAILED SPECIFICATIONS.

THIS QUANTITY SHEET FOR USE WITH
HIGH PERFORMANCE SIGNING PROJECTS

NO.	DATE	REVISIONS	BY	APP'D
1	5/17/9	Current Release	W.S.R.	M.D.F.

KANSAS DEPARTMENT OF TRANSPORTATION
US-40 BUS QUANTITIES
HIGH PERFORMANCE
SIGN INSTALLATIONS

TE433hp

FINAL APPROVAL | APP'D
DESIGNED | DETAILED | QUANTITIES | TRACED
DESIGN CK. | DETAIL CK. | QUANT. CK. | TRACE CK.

KDOT Graphics Certified 12-01-2015

Sh. No. 35

KDOT Graphics Certified

Drawn By : billb
File : KA411201psq-01.dgn (KA411201psq-01.dgn)
Plotted : 09-DEC-2015 09:29

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	36	70

QUANTITIES SHEET

SIGNS TO BE INSTALLED ON PROJECT

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	FLAT SHEET TOTAL SQ FT	REINFORCED PANEL SQ FT PER SIGN	REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
1	KI-97	48" x 24"	8.0	8.00			Ness COUNTY LINE — RP 123.583 — See Sheet No. 53
1	KD7-2R	60" x 24"	10.0	10.00			Cedar Bluff Reservoir → — RP 127.417 — See Sheet No. 53
1	KD7-2L	60" x 24"	10.0	10.00			← Cedar Bluff Reservoir — RP 127.626 — See Sheet No. 53
2	KI-3	60" x 24"	10.0	20.00			Smoky Hill RIVER — RP 129.645, RP 129.817 — See Sheet No. 53
1	KD7-2R	72" x 24"	12.0	12.00			Cedar Bluff Wildlife Area → — RP 130.474 — See Sheet No. 55
1	KD7-2L	72" x 24"	12.0	12.00			← Cedar Bluff Wildlife Area — RP 130.654 — See Sheet No. 55
2	KI-3	30" x 24"	5.0	10.00			Big CREEK — RP 143.276, RP 143.340 — See Sheet No. 53
1	D2-2	72" x 30"	15.0	15.00			K-4 26 / Ness City 39 — RP 145.103 — See Sheet No. 54
1	KI-98	60" x 24"	10.0	10.00			Wa Keeney URBAN BOUNDARY — RP 145.108 — See Sheet No. 54
1	D1-2	72" x 30"	15.0	15.00			← Ness City / ← 1st St → — RP 146.055 — See Sheet No. 56
1	D1-2	72" x 30"	15.0	15.00			← Hill City / ← 13th St → — RP 146.928 — See Sheet No. 55
13				137.00			

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	FLAT SHEET TOTAL SQ FT	REINFORCED PANEL SQ FT PER SIGN	REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
1	D1-2	84" x 30"	17.5	17.50			Ness City → / ← Barclay Ave → — RP 147.065 — See Sheet No. 55
1	D2-2	72" x 30"	15.0	15.00			Hill City 23 / Norton 57 — RP 147.576 — See Sheet No. 58
1	KI-92	60" x 24"	10.0	10.00			Wa Keeney CITY LIMIT — RP 147.607 — See Sheet No. 54
1	KI-3	36" x 24"	6.0	6.00			Saline River — RP 152.838 — See Sheet No. 56
1	KI-97	48" x 24"	8.0	8.00			Graham COUNTY LINE — RP 154.611 — See Sheet No. 56
5				56.50			

NOTE:
SEE STANDARD PLAN SHEET TE590
FOR DETAILED SPECIFICATIONS.

THIS QUANTITY SHEET FOR USE WITH
HIGH PERFORMANCE SIGNING PROJECTS

NO.	DATE	REVISIONS	BY	APP'D
1	3/17/15	Current Submission		

KANSAS DEPARTMENT OF TRANSPORTATION
US-283 QUANTITIES SHEET
HIGH PERFORMANCE
SIGN INSTALLATIONS

TE433hp

KDOT Graphics Certified 12-01-2015

Sh. No. 36

KDOT Graphics Certified

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File : KA4112-01-sq-02.dgn (KA4112-01-sq-02)

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	37	70

QUANTITIES SHEET

SIGNS TO BE INSTALLED ON PROJECT

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	FLAT SHEET TOTAL SQ FT	REINFORCED PANEL SQ FT PER SIGN	REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
4	D9-2	24" x 24"	4.0	16.00			Hospital symbol
2	D9-3a	24" x 24"	4.0	8.00			Trailer symbol
4	KD9-0L	24" x 6"	1.0	4.00			Blue arrow left (Sheet No. 54)
4	KD9-0R	24" x 6"	1.0	4.00			Blue arrow right (Sheet No. 54)
2	I-5	24" x 24"	4.00	8.00			Airport symbol
1	KI-0L	24" x 6"	1.0	1.00			Green arrow left (Sheet No. 54)
1	KI-0R	24" x 6"	1.0	1.00			Green arrow right (Sheet No. 54)
1	KI-12L	48" x 36"	12.0	12.00			Waste Disposal Site (Sheet No. 54)
1	KI-12R	48" x 36"	12.0	12.00			Waste Disposal Site (Sheet No. 54)
1	KI-29L	48" x 30"	10.0	10.00			Business Dist (Sheet No. 54)
3	KI-29R	48" x 30"	10.00	30.00			Business Dist (Sheet No. 54)
6	KRM0	6" x 6"	.25	1.50			Reference Marker "0" (Sheet No. 54)
66	KRM1	6" x 6"	.25	16.50			Reference Marker "1" (Sheet No. 54)
18	KRM2	6" x 6"	.25	4.50			Reference Marker "2" (Sheet No. 54)
26	KRM3	6" x 6"	.25	6.50			Reference Marker "3" (Sheet No. 54)
24	KRM4	6" x 6"	.25	6.00			Reference Marker "4" (Sheet No. 54)
20	KRM5	6" x 6"	.25	5.00			Reference Marker "5" (Sheet No. 54)
10	KRM6	6" x 6"	.25	2.50			Reference Marker "6/9" (Sheet 54)
4	KRM7	6" x 6"	.25	1.00			Reference Marker "7" (Sheet No. 54)
6	KRM8	6" x 6"	.25	1.50			Reference Marker "8" (Sheet No. 54)
5	M1-1	24" x 24"	3.2	16.00			Interstate Route Marker (I-70)
20	M1-4	24" x 24"	4.0	80.00			U.S. Route Marker (US-40)
37	M1-4	30" x 24"	5.0	185.00			U.S. Route Marker (US-283)
19	M3-1	24" x 12"	2.0	38.00			"North"
17	M3-3	24" x 12"	2.0	34.00			"South"
20	M4-3	24" x 12"	2.0	40.00			"Business"
4	M(I)4-5	24" x 12"	2.0	8.00			"To" (blue)
3	M5-1L	21" x 15"	2.19	6.56			Adv Turn Arrow Left 90 deg
4	M5-1R	21" x 15"	2.19	8.75			Adv Turn Arrow Right 90 deg
1	M(I)6-1R	21" x 15"	2.19	2.19			Directional Arrow Right (blue)
4	M6-1L	21" x 15"	2.19	8.75			Directional Arrow Left (w/b)
4	M6-1R	21" x 15"	2.19	8.75			Directional Arrow Right (w/b)
1	M6-3	21" x 15"	2.19	2.19			Directional Arrow Straight (w/b)
1	M(I)6-3	21" x 15"	2.19	2.19			Directional Arrow Straight (blue)
2	M6-4	21" x 15"	2.19	4.38			Directional Arrow Left-Right (w/b)
2	M6-6R	21" x 15"	2.19	4.38			Directional Arrow Straight-Right (w/b)
348				600.13			

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	FLAT SHEET TOTAL SQ FT	REINFORCED PANEL SQ FT PER SIGN	REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
68	R1-1	30" x 30"	5.18	352.24			"Stop"
1	R1-1	36" x 36"	7.46	7.46			"Stop"
1	R1-1	48" x 48"	13.25	13.25			"Stop"
14	R2-1	24" x 30"	5.0	70.00			Speed Limit 30
5	R2-1	24" x 30"	5.0	25.00			Speed Limit 40
2	R2-1	24" x 30"	5.0	10.00			Speed Limit 50
2	R2-1	24" x 30"	5.0	10.00			Speed Limit 60
16	R2-1	24" x 30"	5.0	80.00			Speed Limit 65
1	R3-7R	30" x 30"	6.25	6.25			Right Lane Must Turn Right
8	R3-9B	24" x 36"	6.0	48.00			Center Lane Only
1	KR4-3a	24" x 30"	5.0	5.00			Keep Right Except to Pass (Sheet 59)
2	KR7-1R	24" x 36"	6.0	12.00			No Parking right arrow (Sheet 59)
1	KR7-1L	24" x 36"	6.0	6.00			No Parking left arrow (Sheet 59)
2	KR7-1	24" x 36"	6.0	12.00			No Parking L/R arrow (Sheet 59)
2	S(FYG)1-1	36" x 36"	6.75	13.50			School (fluorescent yellow green)
7	W3-1	36" x 36"	9.0	63.00			Stop Ahead
1	W3-1	48" x 48"	16.0	16.00			Stop Ahead
1	W3-5	36" x 36"	9.0	9.00			Speed Reduction (30 mph)
1	W3-5	36" x 36"	9.0	9.00			Speed Reduction (50 mph)
2	W4-2R	36" x 36"	9.0	18.00			Right Lane Drop
1	W6-3	36" x 36"	9.0	9.00			Two Way Traffic
1	W12-2	36" x 36"	9.0	9.00			Low Clearance (14'4")
29	W14-3	48" x 48" x 36"	5.56	161.24			No Passing Zone
2	W10-1	36" diameter	7.07	14.14			Railroad Crossing
6	W(FY)11-2	30" x 30"	6.25	37.50			Pedestrian Cross (fluorescent yellow)
4	W(FY)16-7pL	24" x 12"	2.0	8.00			Down Arrow left (fluorescent yellow)
2	W(FY)16-9p	24" x 12"	2.0	4.00			Ahead (fluorescent yellow)
183				1028.58			

NOTE:
SEE STANDARD PLAN SHEET TE590
FOR DETAILED SPECIFICATIONS.

THIS QUANTITY SHEET FOR USE WITH
HIGH PERFORMANCE SIGNING PROJECTS

NO.	DATE	REVISIONS	BY	APPR
1	5/17/13	Current Revision	R.S.B.	M.V.F.

KANSAS DEPARTMENT OF TRANSPORTATION
US-283 QUANTITIES SHEET
HIGH PERFORMANCE
SIGN INSTALLATIONS

TE433hp

FINAL APPROVAL | APPD | DESIGNED | DETAILED | QUANTITIES | TRACED | DESIGN CK. | DETAIL CK. | QUAN. CK. | TRACE CK.

KDOT Graphics Certified 12-01-2015

Sh. No. 37

KDOT Graphics Certified

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File: KA4112-01psq-03.dgn (KA4112-01psq-03.fc)
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STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	38	70

QUANTITIES SHEET

SIGNS TO BE INSTALLED ON PROJECT

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	FLAT SHEET TOTAL SQ FT	REINFORCED PANEL SQ FT PER SIGN	REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
1	KI-97	48" x 24"	8.0	8.00			Ness COUNTY LINE RP 3.949
							See Sheet No. 53
1	KD7-2L	72" x 24"	12.0	12.00			← Cedar Bluff Wildlife Area RP 5.881
							See Sheet No. 55
1	KD7-2L	72" x 36"	18.0	18.00			← Cedar Bluff State Park South Shore RP 5.917
							See Sheet No. 55
1	KD7-2R	72" x 36"	18.0	18.00			Cedar Bluff State Park → South Shore RP 6.037
							See Sheet No. 55
2	KI-3	60" x 24"	10.0	20.00			Smoky Hill RIVER RP 9.844 RP 9.886
							See Sheet No. 56
1	KD7-2L	72" x 24"	12.0	12.00			← Cedar Bluff State Park RP 12.121
							See Sheet No. 57
1	KD7-2R	72" x 24"	12.0	12.00			Cedar Bluff State Park → RP 12.251
							See Sheet No. 57
2	KI-3	30" x 24"	5.0	10.00			Big CREEK RP 19.751 RP 19.795
							See Sheet No. 53
4	KRM0	6" x 6"	.25	1.00			Reference Marker "0" (Sheet No. 54)
24	KRM1	6" x 6"	.25	6.00			Reference Marker "1" (Sheet No. 54)
16	KRM2	6" x 6"	.25	4.00			Reference Marker "2" (Sheet No. 54)
4	KRM3	6" x 6"	.25	1.00			Reference Marker "3" (Sheet No. 54)
6	KRM4	6" x 6"	.25	1.50			Reference Marker "4" (Sheet No. 54)
6	KRM5	6" x 6"	.25	1.50			Reference Marker "5" (Sheet No. 54)
8	KRM6	6" x 6"	.25	2.00			Reference Marker "6/9" (Sheet 54)
4	KRM7	6" x 6"	.25	1.00			Reference Marker "7" (Sheet No. 54)
4	KRM8	6" x 6"	.25	1.00			Reference Marker "8" (Sheet No. 54)
86				129.00			

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	FLAT SHEET TOTAL SQ FT	REINFORCED PANEL SQ FT PER SIGN	REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
13	M1-5	30" x 24"	5.0	65.00			Kansas Route Marker (K-147)
6	M3-1	24" x 12"	2.0	12.00			North
5	M3-3	24" x 12"	2.0	10.00			South
1	M4-6	24" x 12"	2.0	2.00			END
1	M5-1R	21" x 15"	2.19	2.19			Adv Turn Arrow Right 90 deg
1	M6-1L	21" x 15"	2.19	2.19			Directional Arrow Left (w/b)
1	M6-1R	21" x 15"	2.19	2.19			Directional Arrow Right (w/b)
28	R1-1	30" x 30"	5.18	145.04			Stop
2	R1-1	36" x 36"	7.46	14.92			Stop
1	R1-2	36" x 36" x 36"	3.9	3.90			Yield
4	R2-1	24" x 30"	5.0	20.00			Speed Limit 55
13	R2-1	24" x 30"	5.0	65.00			Speed Limit 65
6	KR7-1	24" x 36"	6.0	36.00			No Parking L/R arrow (Sheet No. 59)
82				380.42			

NOTE:
SEE STANDARD PLAN SHEET TE590
FOR DETAILED SPECIFICATIONS.

THIS QUANTITY SHEET FOR USE WITH
HIGH PERFORMANCE SIGNING PROJECTS

NO.	DATE	REVISIONS	BY	APPD
1	3/17/11	Current Release	K.S.R.	K.D.F.

KANSAS DEPARTMENT OF TRANSPORTATION
K-147 QUANTITIES SHEET
HIGH PERFORMANCE
SIGN INSTALLATIONS

TE433hp

FINAL APPROVAL | APPD.
REVIEWED | DETAILED | QUANTITIES | TRACED
DESIGN OK | DETAIL OK | QUAN. OK | TRACE OK

KDOT Graphics Certified 12-01-2015

Sh. No. 38

Drawn By : billb Plotted : 09-DEC-2015 09:29
File : KA4112-01psq-04.dgn (KA4112-01psq04.dgn)

KDOT Graphics Certified

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	39	70

QUANTITIES SHEET

SIGNS TO BE INSTALLED ON PROJECT

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	TYPE OF SIGN: FLAT SHEET TOTAL SQ FT	TYPE OF SIGN: REINFORCED PANEL SQ FT PER SIGN	TYPE OF SIGN: REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
6	W1-2L	30" x 30"	6.25	37.50			Left Curve (Symbol)
6	W1-2R	30" x 30"	6.25	37.50			Right Curve (Symbol)
2	W1-3L	30" x 30"	6.25	12.50			Left Reverse Turn (Symbol)
1	W1-4L	30" x 30"	6.25	6.25			Left Reverse Curve (Symbol)
2	W1-4L	48" x 48"	16.0	32.00			Left Reverse Curve (Symbol)
3	W1-4R	30" x 30"	6.25	18.75			Right Reverse Curve (Symbol)
2	W1-4R	48" x 48"	16.0	32.00			Right Reverse Curve (Symbol)
69	W1-8L	24" x 30"	5.0	345.00			Chevron (Left)
67	W1-8R	24" x 30"	5.0	335.00			Chevron (Right)
2	W1-10L	30" x 30"	6.25	12.50			Left Curve w/Intersection
3	W2-1	30" x 30"	6.25	18.75			Cross Road (symbol)
1	W2-1	48" x 48"	16.0	16.00			Cross Road (symbol)
1	W2-2L	30" x 30"	6.25	6.25			Side Road (symbol)
7	W3-1	36" x 36"	9.0	63.00			Stop Ahead (symbol)
2	W4-4p	30" x 15"	3.13	6.25			Cross Traffic Does Not Stop
1	W8-3	30" x 30"	6.25	6.25			Pavement Ends
3	W12-2	36" x 36"	9.0	27.00			Low Clearance (14'0")
2	W12-2p	84" x 24"	14.0	28.00			Low Clearance overhead (14'0")
3	W13-1	18" x 18"	2.25	6.75			Advisory Speed (30 mph)
6	W13-1	18" x 18"	2.25	13.50			Advisory Speed (40 mph)
6	W13-1	18" x 18"	2.25	13.50			Advisory Speed (45 mph)
5	W13-1	18" x 18"	2.25	11.25			Advisory Speed (50 mph)
8	W13-1	18" x 18"	2.25	18.00			Advisory Speed (55 mph)
2	W13-1	18" x 18"	2.25	4.50			Advisory Speed (60 mph)
37	W14-3	48" x 48" x 36"	5.56	205.72			No Passing Zone
247				1313.72			

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	TYPE OF SIGN: FLAT SHEET TOTAL SQ FT	TYPE OF SIGN: REINFORCED PANEL SQ FT PER SIGN	TYPE OF SIGN: REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
0				0.0			

NOTE:
SEE STANDARD PLAN SHEET TE590
FOR DETAILED SPECIFICATIONS.

THIS QUANTITY SHEET FOR USE WITH
HIGH PERFORMANCE SIGNING PROJECTS

NO.	DATE	REVISIONS	BY	APP'D
1	3/17/15	Current Release	R.S.B.	M.B.F.

KANSAS DEPARTMENT OF TRANSPORTATION
K-147 QUANTITIES SHEET
HIGH PERFORMANCE
SIGN INSTALLATIONS

TE433hp

DRAWN APPROVAL | APP'D
DESIGNED | DETAILED | QUANTITIES | TRACED
DESIGN CK. | DETAIL CK. | QUAN. CK. | TRACE CK.

KDOT Graphics Certified 12-01-2015

Sh. No. 39

KDOT Graphics Certified

Drawn By : billb
File : KA411201psq-05.dgn (KA411201psq-05)
Plotted : 09-DEC-2015 09:29

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	40	70

QUANTITIES SHEET

SIGNS TO BE INSTALLED ON PROJECT

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	TYPE OF SIGN: FLAT SHEET TOTAL SQ FT	TYPE OF SIGN: REINFORCED PANEL SQ FT PER SIGN	TYPE OF SIGN: REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
1	D1-2	60" x 30"	12.5	12.50			← Collyer St Peter → RP 0.410 See Sheet No. 57
1	M1-1	24" x 24"	3.2	3.20			"I-70"
6	M1-5	30" x 24"	5.0	30.00			"K-198"
1	M3-1	24" x 12"	2.0	2.00			"North"
2	M3-3	24" x 12"	2.0	4.00			"South"
1	M4-6	24" x 12"	2.0	2.00			"End"
1	M5-1L	21" x 15"	2.19	2.19			Advance Turn Arrow Left 90 Deg
1	M6-1R	21" x 15"	2.19	2.19			Directional Arrow Right
3	R1-1	30" x 30"	5.18	15.54			Stop
1	R1-1	48" x 48"	13.25	13.25			Stop
1	R2-1	24" x 30"	5.0	5.00			Speed Limit 55
2	W3-1	36" x 36"	9.0	18.00			Stop Ahead (symbol)
21				109.87			

QUANTITY	SIGN NO.	SIGN SIZE	TYPE OF SIGN: FLAT SHEET SQ FT PER SIGN	TYPE OF SIGN: FLAT SHEET TOTAL SQ FT	TYPE OF SIGN: REINFORCED PANEL SQ FT PER SIGN	TYPE OF SIGN: REINFORCED PANEL TOTAL SQ FT	DESIGN DETAILS (AS REQUIRED)
0				0.0			

NOTE:
SEE STANDARD PLAN SHEET TES90
FOR DETAILED SPECIFICATIONS.

THIS QUANTITY SHEET FOR USE WITH
HIGH PERFORMANCE SIGNING PROJECTS

NO.	DATE	REVISIONS	BY	APP'D
1	3/17/16	Current Revision	R.S.B.	M.D.F.

KANSAS DEPARTMENT OF TRANSPORTATION
K-198 QUANTITIES SHEET
HIGH PERFORMANCE
SIGN INSTALLATIONS

TE433hp

FHWA APPROVAL | APP'D
DESIGNED | DETAILED | QUANTITIES | TRACED
DESIGN CK. | DETAIL CK. | QUAN. CK. | TRACE CK.

KDOT Graphics Certified 12-01-2015

Sh. No. 40

KDOT Graphics Certified

Drawn By : billb Plotted : 09-DEC-2015 09:29
File : KA4112 01psq-06.dgn (KA4112 01psq-06)fic

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	41	70

SUMMARY OF QUANTITIES

SIGNS

TYPE	NUMBER	SQUARE FEET
FLAT SHEET	1022	3942.19
REINFORCED PANEL		
OVERLAY		

OBJECT MARKERS

TYPE	NUMBER
TYPE 2 ("U" POST)	
TYPE 3 ("U" POST)	

DELINEATORS

TYPE	FLEXIBLE DELINEATOR		RIGID DELINEATOR	
	TYPE I ANCHOR	TYPE III ANCHOR	"U" POST	BRACKET MOUNT
TYPE 'A' WHITE				
TYPE 'A' YELLOW				
TYPE 'D' WHITE				
TYPE 'D' YELLOW				
TYPE 'A' WHITE (BACK TO BACK)				
TYPE 'A' YELLOW (BACK TO BACK)				

SIGN STRUCTURES

TYPE	NEW	MODIFIED
OVERHEAD STRUCTURE		
CANTILEVER STRUCTURE		
BUTTERFLY STRUCTURE		
BRIDGE MOUNT ATTACHMENT		
MAST ARM SIGN SUPPORT		

REMOVALS

TYPE	NUMBER
SIGNS	
POSTS	
FOOTINGS	
SIGN STRUCTURES	

POSTS AND ALUMINUM BEAMS

	4" x 6" POST				"U" POST		GALVANIZED STEEL BEAM POST						PERFORATED SQUARE STEEL TUBE (PSST)			
	WOOD		STEEL				W6x9		W10x12		W10x22					
	FLAT SHEET SIGN	REINFORCED PANEL SIGN	STRUCTURAL TUBING	312.25 ALUMINUM BEAM	2 LBS/FT	3 LBS/FT	A36 STEEL	A572 STEEL (ALT)	A36 STEEL	A572 STEEL (ALT)	A36 STEEL	A572 STEEL (ALT)	1-3/4"	2"	2-1/4"	2-1/2"
NUMBER	120															
FEET	1968															

POST FOOTINGS AND PSST COUPLERS

	CONCRETE FOOTING (DIA.)					PERFORATED SQUARE STEEL TUBE (PSST)					
	WOOD	A36 STEEL		A572 STEEL (ALT)		PERFORATED SQUARE STEEL TUBE FOOTING				COUPLER	COUPLER WITH FOOTING
	18"	24"	30"	24"	30"	1-3/4"	2"	2-1/4"	2-1/2"		
NUMBER											
FEET											

BASE PLATES AND STUB POSTS

	W6x9		W10x12		W10x22	
BREAKAWAY BASES	A36 STEEL	A572 STEEL (ALT)	A36 STEEL	A572 STEEL (ALT)	A36 STEEL	A572 STEEL (ALT)
BASE PLATE (TOP)						
STUB POST WITH BASE PLATE						
NON-BREAKAWAY BASES						
BASE PLATE						

NUMBER & LENGTHS OF POSTS & ALUMINUM BEAMS (INFORMATION ONLY)

LENGTH OF POST OR BEAM	4" x 6" POST				"U" POST		GALVANIZED STEEL BEAM POST						PERFORATED SQUARE STEEL TUBE (PSST)			
	WOOD		STEEL				W6x9		W10x12		W10x22					
	FLAT SHEET SIGN	REINFORCED PANEL SIGN	STRUCTURAL TUBING	312.25 ALUMINUM BEAM	2 LBS/FT	3 LBS/FT	A36 STEEL	A572 STEEL (ALT)	A36 STEEL	A572 STEEL (ALT)	A36 STEEL	A572 STEEL (ALT)	1-3/4"	2"	2-1/4"	2-1/2"
2.1' - 4'																
4.1' - 6'																
6.1' - 8'																
8.1' - 10'																
10.1' - 12'																
12.1' - 14'																
14.1' - 16'	96															
16.1' - 18'	24															
18.1' - 20'																
20.1' - 22'																
22.1' - 24'																
24.1' - 26'																
26.1' - 28'																
28.1' - 30'																
30.1' - 32'																

NO.	DATE	REVISIONS	BY	APP'D
1	7/17/03	Revised Tables	D.D.A.	D.A.

KANSAS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES FOR INSTALLATIONS AND REMOVALS

TE439 7/1/03

FINAL APPROVAL 7/30/2003 APP'D Steven A. Hunter

DESIGNED N/A/N/A/N/A QUANTITIES TRACED

DESIGN OR. N.A./N/A/N/A QUAN. OR. TRACE OR.

KDOT Graphics Certified 12-01-2015

SH. NO. 41

KDOT Graphics Certified

Plotted : 09-DEC-2015 09:29
File : KA4112O1pss439-01.dgn (KA4112O1pss439-01)
Drawn By : billp

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	42	70

RECAPITULATION OF SIGNING & DELINEATION BID ITEMS

BID ITEMS	APPROXIMATE QUANTITIES		UNITS
SIGN (FLAT SHEET) (HIGH PERFORMANCE)	3942.19		SQUARE FOOT
SIGN (REINFORCED PANEL) (HIGH PERFORMANCE)			SQUARE FOOT
SIGN (OVERLAY) (HIGH PERFORMANCE)			SQUARE FOOT
SIGN POST (4" x 6" WOOD) (FLAT SHEET SIGN)	1968		LINEAR FOOT
SIGN POST (4" x 6" WOOD) (REINFORCED PANEL SIGN)			LINEAR FOOT
SIGN POST (2 LB/FT "U" STEEL)			LINEAR FOOT
SIGN POST (3 LB/FT "U" STEEL)			LINEAR FOOT
SIGN POST (1-3/4" PERFORATED SQUARE STEEL TUBE)			LINEAR FOOT
SIGN POST (2" PERFORATED SQUARE STEEL TUBE)			LINEAR FOOT
SIGN POST (2-1/4" PERFORATED SQUARE STEEL TUBE)			LINEAR FOOT
SIGN POST (2-1/2" PERFORATED SQUARE STEEL TUBE)			LINEAR FOOT
SIGN POST (4" X 6" STRUCTURAL STEEL)			LINEAR FOOT
SIGN POST (3 I 2.25 ALUMINUM)			LINEAR FOOT
	A36	A572(ALT)	
SIGN POST (W6X9 STEEL BEAM)			LINEAR FOOT
SIGN POST (W10X12 STEEL BEAM)			LINEAR FOOT
SIGN POST (W10X22 STEEL BEAM)			LINEAR FOOT
SIGN POST STUB WITH BREAKAWAY BASE PLATE (W6X9)			EACH
SIGN POST STUB WITH BREAKAWAY BASE PLATE (W10X12)			EACH
SIGN POST STUB WITH BREAKAWAY BASE PLATE (W10X22)			EACH
SIGN POST BREAKAWAY BASE PLATE (W6X9)			EACH
SIGN POST BREAKAWAY BASE PLATE (W10X12)			EACH
SIGN POST BREAKAWAY BASE PLATE (W10X22)			EACH
SIGN POST FOOTING (24" Dia. CONCRETE)(STEEL BEAM POST)			LINEAR FOOT
SIGN POST FOOTING (30" Dia. CONCRETE)(STEEL BEAM POST)			LINEAR FOOT
SIGN POST FOOTING (18" Dia. CONCRETE)(WOOD POST)			LINEAR FOOT
SIGN POST FOOTING (1-3/4" PERFORATED SQUARE STEEL TUBE)			EACH
SIGN POST FOOTING (2" PERFORATED SQUARE STEEL TUBE)			EACH
SIGN POST FOOTING (2-1/4" PERFORATED SQUARE STEEL TUBE)			EACH
SIGN POST FOOTING (2-1/2" PERFORATED SQUARE STEEL TUBE)			EACH
SIGN POST FOOTING (SIGN POST SQUARE COUPLER) (2-1/4")			EACH
SIGN POST SQUARE COUPLER (2-1/4")			
SIGNING OBJECT MARKER (TYPE 2)			EACH
SIGNING OBJECT MARKER (TYPE 3)			EACH
SIGNING DELINEATOR (TYPE A)(WHITE RIGID, "U" POST)			EACH
SIGNING DELINEATOR (TYPE A)(YELLOW RIGID, "U" POST)			EACH
SIGNING DELINEATOR (TYPE B)(WHITE RIGID, "U" POST)			EACH
SIGNING DELINEATOR (TYPE B)(YELLOW RIGID, "U" POST)			EACH
SIGNING DELINEATOR (TYPE A)(WHITE FLEXIBLE)(TYPE I ANCHOR)			EACH
SIGNING DELINEATOR (TYPE A)(YELLOW FLEXIBLE)(TYPE I ANCHOR)			EACH
SIGNING DELINEATOR (TYPE B)(WHITE FLEXIBLE)(TYPE I ANCHOR)			EACH
SIGNING DELINEATOR (TYPE B)(YELLOW FLEXIBLE)(TYPE I ANCHOR)			EACH
SIGNING DELINEATOR (TYPE A)(WHITE FLEXIBLE)(TYPE 3 ANCHOR)			EACH
SIGNING DELINEATOR (TYPE A)(YELLOW FLEXIBLE)(TYPE 3 ANCHOR)			EACH
SIGNING DELINEATOR (TYPE B)(WHITE FLEXIBLE)(TYPE 3 ANCHOR)			EACH
SIGNING DELINEATOR (TYPE B)(YELLOW FLEXIBLE)(TYPE 3 ANCHOR)			EACH

BID ITEMS	APPROXIMATE QUANTITIES	UNITS

NOTE:
THE QUANTITIES FOR STEEL BEAM POSTS, STUB POSTS, BASE PLATES, AND FOOTINGS IN THE CONTRACT ARE FOR A36 STEEL. WHEN FURNISHING A572 ALTERNATE STEEL BEAM POSTS, STUB POSTS, BASE PLATES, AND FOOTINGS, PAYMENT FOR THESE ITEMS WILL BE BASED ON THE A36 STEEL UNIT PRICES INCLUDED IN THE CONTRACT.

NO.	DATE	REVISIONS	BY	APPD
1	7/21/10	Changed Bid Items as per Spec Book 2007	D.D.E.	D.B.

KANSAS DEPARTMENT OF TRANSPORTATION
RECAPITULATION OF SIGNING & DELINEATION BID ITEMS

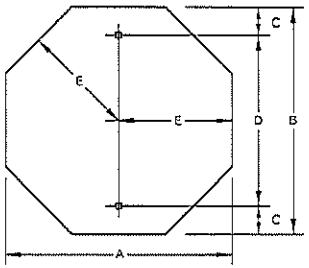
TE450 7/1/03

FINAL APPROVAL 7/21/2010 SIGNED S.Kramer A. Buhlmann
DESIGNED K.A.R.D.C.T.M.L.D. R.D.N. SUBMITTED TRACED
DESIGN CK. K.A.R.D.C.T.M. CK. D.D.E. SUBM. CK. TRACE CK.

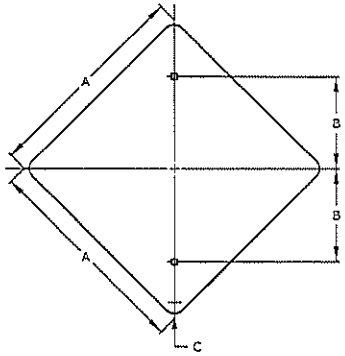
KDOT Graphics Certified 12-01-2015 Sh. No. 42

Drawn By: bilb
File: K411201pss450-01.dgn (K411201pss450-01)
Plotted: 09-DEC-2015 09:29

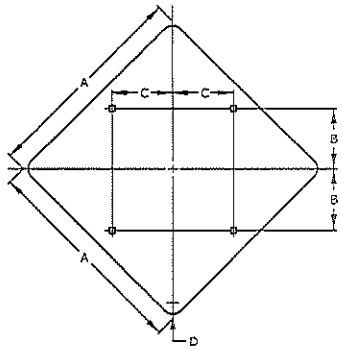
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	45	70



SIGN SIZE	A	B	C	D	E	T	AREA
30 X 30	30	30	3	24	15	0.080	5.18
36 X 36	36	36	6	24	18	0.080	7.46



	SIGN SIZE	A	B	C	T	AREA
1	5 X 5	5	2 1/2	3/8	0.040	0.17
	18 X 18	18	6	1 1/2	0.080	2.25
	24 X 24	24	12	1 1/2	0.080	4.00
	30 X 30	30	12	1 7/8	0.080	6.25
2	36 X 36	36	18	2 1/4	0.080	9.00



SIGN SIZE	A	B	C	D	T	AREA
48 X 48	48	12	15	3	2 1/2	16.00

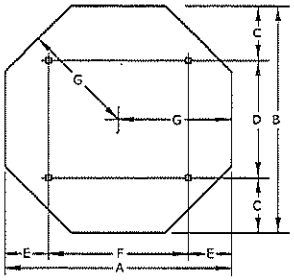
NOTE:
ALL HOLES ARE 3/8 " SQUARE UNLESS OTHERWISE NOTED.

THE DIMENSION "T" IS THE THICKNESS OF THE ALUMINUM BLANK.

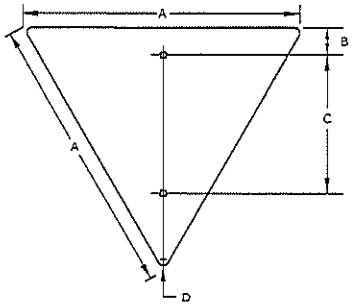
ALL DIMENSIONS ARE IN INCHES.

1 HOLES SHALL BE 5/16 " DIAMETER.

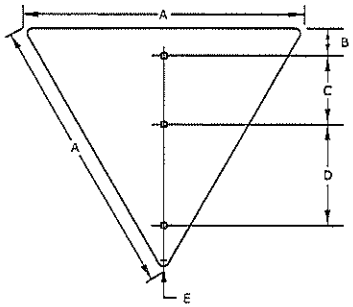
2 CENTER HOLE IS REQUIRED.



SIGN SIZE	A	B	C	D	E	F	G	T	AREA
48 X 48	48	48	12	24	9	30	24	2 1/2	13.25



SIGN SIZE	A	B	C	D	T	AREA
36 X 36	36	3	18	2	0.080	3.90



SIGN SIZE	A	B	C	D	E	T	AREA
48 X 48	48	3	12	18	3	0.080	6.93
60 X 60	60	3	18	18	4	0.100	10.83

ALL DIMENSIONS ARE IN INCHES.

NO.	DATE	REVISIONS	BY	APPD

KANSAS DEPARTMENT OF TRANSPORTATION

SIGN BLANK DETAILS FOR FLAT SHEET SIGNS

TE503 7/1/03

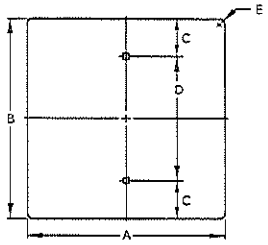
FINAL APPROVAL 7/30/2003 (1PM) Steven L. Buchanan
DESIGNED KANDOKEYALED KANPLIMANITKA TRAFFIC
DOSIGN PL KANDALIAL PC KANPLIMANLPL TRAFFIC PL

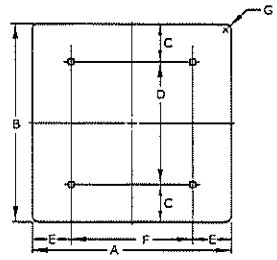
KDOT Graphics Certified 10-21-2015 Sh. No. 45

KDOT Graphics Certified

Drawn By: kilb
File: KA411201pss503-01.dgn (KA411201pss503-01)
Plotted: 09-DEC-2015 09:29

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	46	70





	SIGN SIZE	A	B	C	D	E	T	AREA
1	3 X 8	3	8	1	6	3/8	0.040	0.17
	6 X 12	6	12	3	6	3/8	0.040	0.50
	12 X 6	12	6	1 1/2	3	3/8	0.063	0.50
	12 X 18	12	18	3	12	1 1/2	0.063	1.50
	12 X 24	12	24	3	18	1 1/2	0.080	2.00
	12 X 36	12	36	6	24	1 1/2	0.080	3.00
	12 X 48	12	48	6	36	1 1/2	0.080	4.00
	15 X 15	15	15	1 1/2	12	1 1/2	0.063	1.56
	18 X 6	18	6	1 1/2	3	1 1/2	0.063	0.75
	18 X 12	18	12	3	6	1 1/2	0.063	1.50
	18 X 18	18	18	3	12	1 1/2	0.063	2.25
	18 X 24	18	24	3	18	1 1/2	0.080	3.00
	21 X 15	21	15	1 1/2	12	1 1/2	0.080	2.19
	24 X 6	24	6	1 1/2	3	1 1/2	0.080	1.00
	24 X 12	24	12	3	6	1 1/2	0.080	2.00
	24 X 18	24	18	3	12	1 1/2	0.080	3.00
	24 X 24	24	24	3	18	1 1/2	0.080	4.00
	24 X 30	24	30	3	24	1 1/2	0.080	5.00
	24 X 36	24	36	6	24	1 1/2	0.080	6.00
	30 X 15	30	15	1 1/2	12	1 1/2	0.080	3.13
	30 X 18	30	18	3	12	1 1/2	0.080	3.75
	30 X 24	30	24	3	18	1 1/2	0.080	5.00
	30 X 30	30	30	3	24	1 1/2	0.080	6.25
	30 X 36	30	36	6	24	1 1/2	0.080	7.50
	36 X 12	36	12	3	6	1 1/2	0.080	3.00
	36 X 18	36	18	3	12	1 1/2	0.080	4.50
	36 X 24	36	24	3	18	1 1/2	0.080	6.00
	36 X 30	36	30	3	24	1 1/2	0.080	7.50
	36 X 36	36	36	6	24	2	0.080	9.00

	SIGN SIZE	A	B	C	D	E	F	G	T	AREA
	36 X 12	36	12	3	6	6	24	1 1/2	0.080	3.00
	36 X 18	36	18	6	12	6	30	1 1/2	0.080	4.50
	36 X 24	36	24	6	12	6	24	1 1/2	0.080	6.00
	36 X 30	36	30	6	18	6	30	1 1/2	0.080	7.50
	36 X 36	36	36	6	24	6	24	1 1/2	0.080	9.00
	36 X 42	36	42	6	30	6	30	1 1/2	0.080	10.50
	48 X 12	48	12	3	6	9	30	1 1/2	0.080	4.00
	48 X 18	48	18	3	12	9	30	1 1/2	0.080	6.00
	48 X 24	48	24	6	12	9	30	2	0.080	8.00
	48 X 30	48	30	6	18	9	30	0	0.100	10.00
	48 X 36	48	36	6	24	9	30	0	0.100	12.00
	48 X 42	48	42	6	30	9	30	0	0.100	14.00
	48 X 48	48	48	9	30	9	30	0	0.100	16.00
2	48 X 72	48	72	15	42	9	30	0	0.100	24.00
2	48 X 96	48	96	21	54	9	30	0	0.100	32.00
	54 X 36	54	36	6	30	12	30	0	0.100	13.50
	54 X 42	54	42	6	30	12	30	0	0.100	15.75
	60 X 12	60	12	3	6	12	36	0	0.100	5.00
	60 X 18	60	18	3	12	12	36	0	0.100	7.50

SIGN SIZE	A	B	C	D	E	F	G	T	AREA
60 X 24	60	24	6	12	12	36	0	0.100	10.00
60 X 30	60	30	6	18	12	36	0	0.100	12.50
60 X 36	60	36	6	24	12	36	0	0.100	15.00
60 X 42	60	42	6	30	12	36	0	0.100	17.50
60 X 48	60	48	9	30	12	36	0	0.100	20.00
60 X 60	60	60	12	36	12	36	0	0.100	25.00
72 X 12	72	12	3	6	15	42	0	0.100	6.00
72 X 18	72	18	3	12	15	42	0	0.100	9.00
72 X 24	72	24	6	12	15	42	0	0.100	12.00
72 X 30	72	30	6	18	15	36	0	0.100	15.00
72 X 36	72	36	6	24	15	42	0	0.100	18.00
72 X 42	72	42	6	30	15	42	0	0.100	21.00
72 X 48	72	48	9	30	15	42	0	0.100	24.00
84 X 18	84	18	6	12	15	48	0	0.100	10.50
84 X 30	84	30	6	18	18	48	0	0.100	17.50
84 X 36	84	36	6	24	18	48	0	0.100	21.00
84 X 42	84	42	6	30	18	48	0	0.100	24.50
84 X 48	84	48	9	30	18	48	0	0.100	28.00

NOTE:
ALL HOLES ARE 3/8 " SQUARE, UNLESS OTHERWISE NOTED.

THE DIMENSION "T" IS THE THICKNESS OF THE ALUMINUM BLANK.

1 HOLES SHALL BE 5/16 " DIAMETER.

2 DIMENSION "D" REQUIRES A CENTER HOLE.

ALL DIMENSIONS ARE IN INCHES.

NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

SIGN BLANK DETAILS FOR FLAT SHEET SIGNS

TE506 7/1/03

FHWA APPROVAL 7/27/2003 APPROVED STANDARD NUMBER
DESIGNED R.D.O.(DETAILS) A.A.A.(QUANTITIES) TRACED
DESIGN CK. S.A.B.(DETAIL CK.) R.D.O.(QUAN. CK.) STAGE CK.

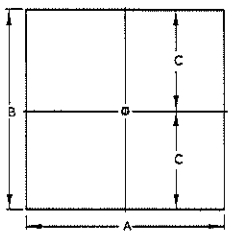
KDOT Graphics Certified 10-21-2015

Sh. No. 46

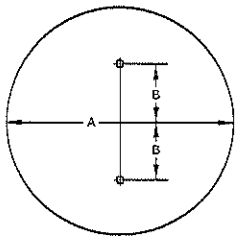
KDOT Graphics Certified

Drawn By: Kilb Plotted: 09-DEC-2015 09:29
File: KA4112 01pss506-01.dgn (KA4112 01pss506-01)

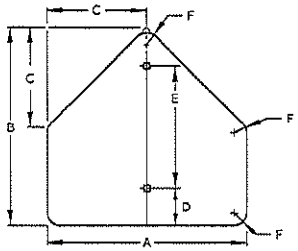
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	47	70



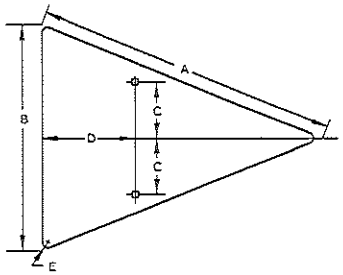
SIGN SIZE	A	B	C	T	AREA
6 X 6	6	6	3	0.063	0.25



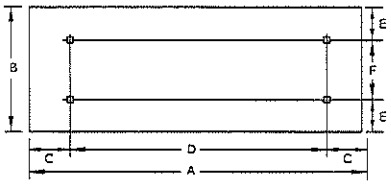
SIGN SIZE	A	B	T	AREA
36 DIA	36	12	0.080	7.07



SIGN SIZE	A	B	C	D	E	F	T	AREA
30 X 30	30	30	15	3	24	48	0.080	4.69
36 X 36	36	36	18	6	24	2 1/4	0.080	6.75

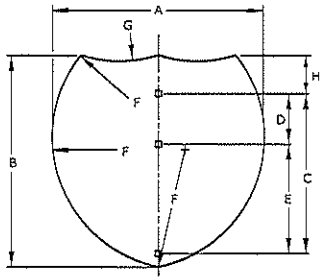


SIGN SIZE	A	B	C	D	E	T	AREA
48 X 36	48	36	9	14 3/4	2 1/4	0.125	5.56



SIGN SIZE	A	B	C	D*	E	F	T	AREA
102 X 18	102	18	3	13 HOLES @ 8" SPACING	3	12	0.100	12.75

* 3/8" DIA. HOLES



INDEPENDENT USE

DIMENSIONS										
SIZE	A	B	C	D	E	F	G	H	T	AREA
24 X 24	24	24	18	-	-	15	15	3	0.080	3.20
36 X 36	36	36	30	12	18	22.5	22.5	3	0.080	7.20
30 X 24	30	24	18	-	-	17	24	3	0.080	3.99
45 X 36	45	36	30	12	18	25.5	36	3	0.100	8.99

NOTES:
ALL HOLES ARE 3/8 " SQUARE, UNLESS OTHERWISE NOTED.
THE DIMENSION "T" IS THE THICKNESS OF THE ALUMINUM BLANK.

ALL DIMENSIONS ARE IN INCHES.

NO.	DATE	REVISIONS	BY	APPD

KANSAS DEPARTMENT OF TRANSPORTATION

SIGN BLANK DETAILS FOR FLAT SHEET SIGNS

TE509 7/1/03

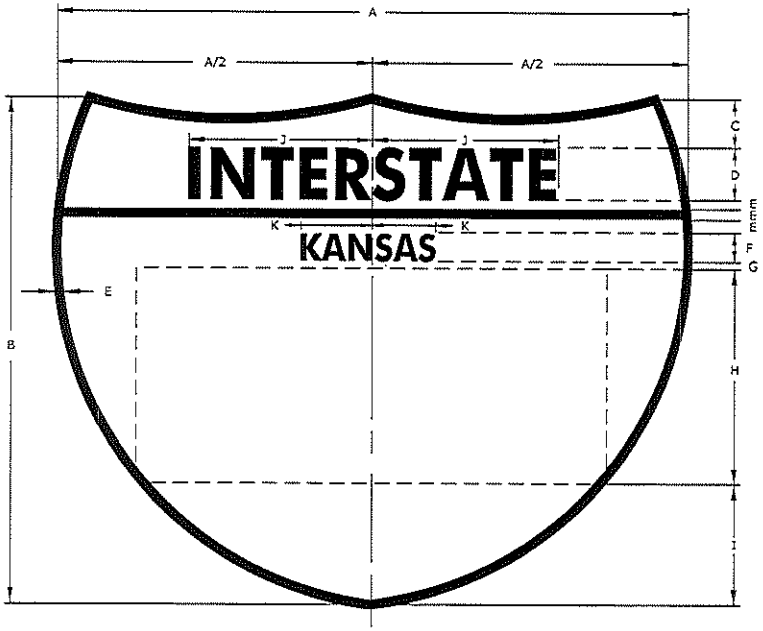
FINAL APPROVAL 1/22/2003 (JRW) STATE H. ENGINEER
DESIGNED R.A.B./DICKALER R.A.B./SCHMITTER TRACED
DESIGN CK. R.A.B./DEAN, CK. R.A.B./SWAN, CK. TRACE CK.

KDOT Graphics Certified 10-21-2015

Sh. No. 47

Drawn By: bills Plotted: 09-DEC-2015 09:29
File: KA4112Ops509-01.dgn (KA4112Ops509-01)

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	48	70



M1-1

DIMENSIONS (IN)												
SIZE	A	A/2	B	C	D	E	F	G	H	I	J	K
24"x24"	24	12	24	2	2.5	0.5	1.5	0.5	10	6	7.813	4
36"x36"	36	18	36	3	3.75	0.75	2.25	0.75	15	9	11.688	6
30"x24"	30	15	24	2	2.5	0.5	1.5	0.5	10	6	7.813	4
45"x36"	45	22.5	36	3	3.75	0.75	2.25	0.75	15	9	11.688	6

NOTE:
SEE PLAN, QUANTITY, OR SIGN DESIGN LAYOUT SHEETS FOR NUMERALS TO BE USED. THE NUMERALS SHALL BE SERIES "D" LEGEND. OPTICALLY SPACE NUMERALS ABOUT VERTICAL CENTERLINE.

COLORS:
BORDER AND LEGEND: WHITE (REFLECTIVE)
BACKGROUND:
KANSAS AND DIGITS- BLUE (REFL)
INTERSTATE- RED (REFL)

SEE STANDARD PLAN SHEET TE590 FOR DETAILED SPECIFICATIONS.

ALL DIMENSIONS ARE IN INCHES.

NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

PROCESSED SIGN DETAILS
INTERSTATE ROUTE MARKERS

TES12 7/1/03

FHWA APPROVAL	7/21/2003	APP'D	Stevens A. Bowling
DESIGNED	N/A	DETAILED	N.A.A.
QUANTITIES		TRACED	
DESIGN CK.	C.A.B.	DETAIL CK.	D.B.D.
QUAN. CK.		TRACE CK.	

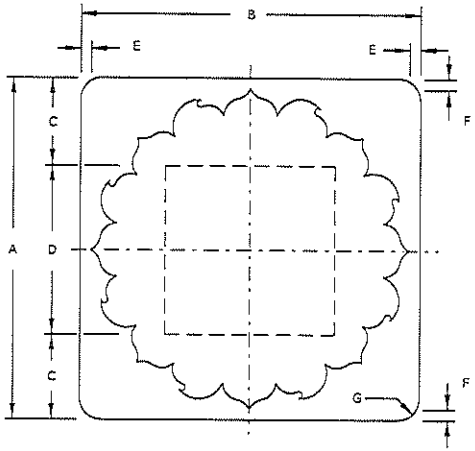
KDOT Graphics Certified 10-21-2015

Sh. No. 48

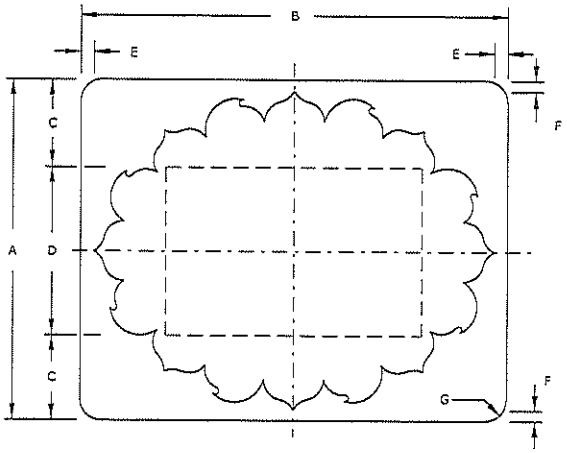
KDOT Graphics Certified

Drawn By : bilb Plotted : 09-DEC-2015 09:29
File : KA411201pss512-01.dgn (KA411201pss512-01)

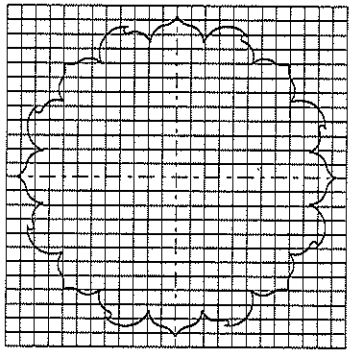
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	49	70

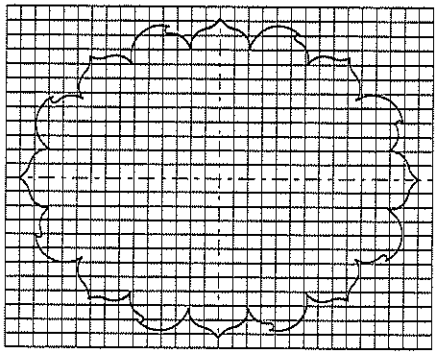


1 OR 2 DIGITS



3 DIGITS





COLORS
BACKGROUND AROUND SUNFLOWER - BLACK
SUNFLOWER - YELLOW
NUMERALS - BLACK

SIZE	A	B	C	D	E	F	G
24 X 24	24	24	6	12	0.75	0.75	1.5
30 X 24	24	30	6	12	1	0.75	1.5

ALL DIMENSIONS IN INCHES.

NOTE:
SEE PLAN, QUANTITY, OR SIGN DESIGN LAYOUT SHEETS FOR NUMERALS TO BE USED. THE NUMERALS SHALL BE SERIES "D" LEGEND. OPTICALLY SPACE NUMERALS ABOUT VERTICAL CENTERLINE.

SEE STANDARD PLAN SHEET TE590 FOR DETAILED SPECIFICATIONS.

ALL DIMENSIONS ARE IN INCHES.

NO.	DATE	REVISIONS	BY	APPD

KANSAS DEPARTMENT OF TRANSPORTATION

PROCESSED SIGN DETAILS
KANSAS ROUTE MARKERS

TE515 7/1/03

DWG. APPROVAL 7/22/2003 (APPD) STANDARD PLANNING
DESIGNED R.A.S./DETAILED R.A.S./QUANTITIES TRACED
DESIGN CK. R.A.S./DETAIL CK. R.A.S./QUANTITIES TRACE CK.

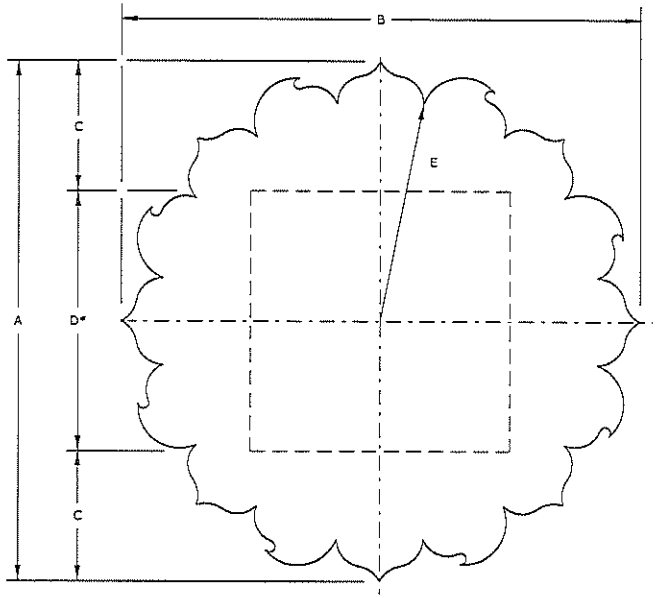
KDOT Graphics Certified 10-21-2015

Sh. No. 49

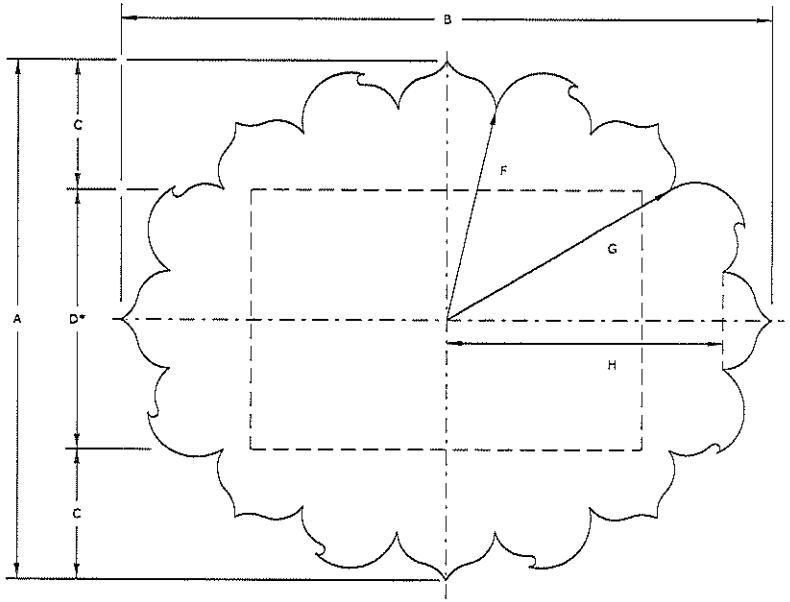
KDOT Graphics Certified

Drawn By : billb
File : KA411201tss515-01.dgn (KA411201tss515-01)
Plotted : 09-DEC-2015 09:29

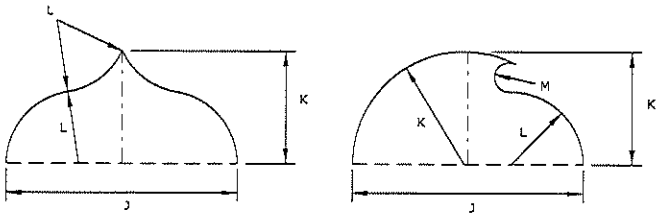
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	50	70



1 OR 2 DIGITS



3 DIGITS



PETALS

SIZE	A	B	C	D*	E	F	G	H	J	K	L	M
24" X 24"	24	24	1/4	12 D	10 1/4	-	-	-	4	1 7/8	1 1/4	1/4
36" X 36"	36	36	9	18 D	15 3/8	-	-	-	1/4	3	1 7/8	3/8
30" X 24"	24	36	1/4	12 D	-	10	12	12 3/4	4 1/2	2 1/4	1 1/2	1/4
45" X 36"	36	45	9	18 D	-	15	18	19	6 3/4	3 3/8	2 1/4	3/8

ALL DIMENSIONS IN INCHES.
D* - NUMERALS OPTICALLY SPACED ABOUT VERTICAL CENTERLINE

COLORS:
BACKGROUND - YELLOW
LEGEND - BLACK

ALL DIMENSIONS ARE IN INCHES.

NO.	DATE	REVISION	BY	APPD

KANSAS DEPARTMENT OF TRANSPORTATION
GUIDE SIGN
LEGEND DETAILS
KANSAS ROUTE SHIELDS

TE557 7/1/03

FINAL APPROVAL 7/12/2003 (SIGN) Steven A. Buckley
DESIGNED DESIGN DETAILS KAA/QUANTITIES TRACED
DESIGN CK. SUBSTRUCTURE CK. SUB. DESIGN CK. STRUC. CK.

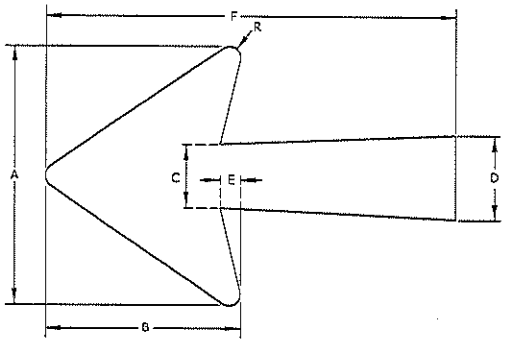
KDOT Graphics Certified 10-21-2015

Sh. No. 50

KDOT Graphics Certified

Plotted : 09-DEC-2015 09:29
Drawn By : bdlip
File : KA4112-01pss557-01.dgn (KA4112-01)pss557-01)

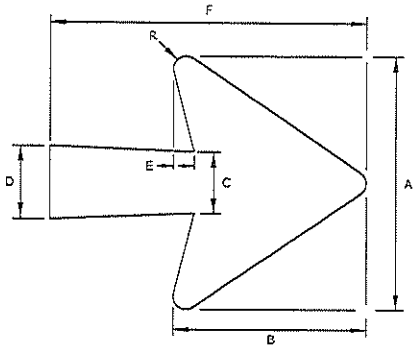
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	51	70



ARROW DIMENSIONS (INCHES)

	A	B	C	D	E	F	R
10.67" U.C.	15⅝	11 7/16	3¾	5	1 5/16	24⅛	1 3/16
13.33" U.C.	18¼	14	4½	6	1½	29¼	¾
16" U.C.	22¼	17	5⅝	7⅛	1¾	35⅝	1

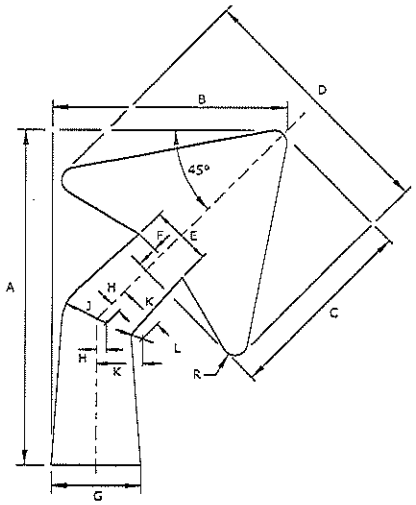
TYPE "A" ARROW



ARROW DIMENSIONS (INCHES)

	A	B	C	D	E	F	R
10.67" U.C.	11⅜	8 11/16	2¾	3½	15/16	14¼	9/16

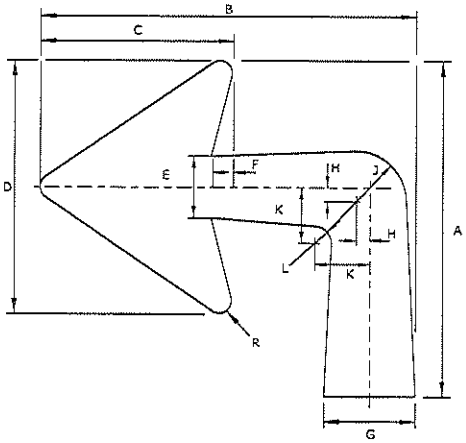
TYPE "B" ARROW



ARROW DIMENSIONS (INCHES)

	A	B	C	D	E	F	G	H	J	K	L	R
10.67" U.C.	15⅝	10¾	8 11/16	11⅜	2¾	1 1/16	4	7/16	2	2 1/16	½	9/16
13.33" U.C.	18¼	13	10⅞	14¼	3½	1 3/16	4½	9/16	2½	2 9/16	⅝	11/16
16" U.C.	22¼	15⅝	13	17	4⅜	1 7/16	5¼	⅝	3	3⅛	¾	⅞

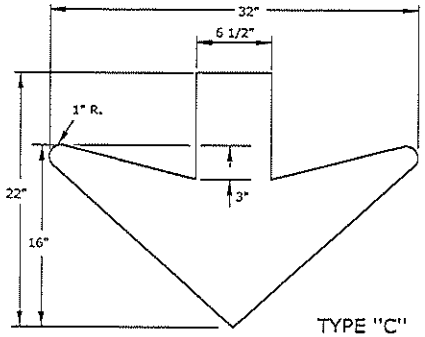
ADVANCE TURN (45°)



ARROW DIMENSIONS (INCHES)

	A	B	C	D	E	F	G	H	J	K	L	R
10.67" U.C.	15⅝	17	8 11/16	11⅜	2¾	1 1/16	4⅛	⅞	2¼	2½	¾	9/16
13.33" U.C.	18¼	20½	10⅞	14¼	3½	1 3/16	5⅛	⅞	2⅝	2⅞	1	11/16
16" U.C.	22¼	25	13	17	4⅜	1 7/16	6⅜	½	3¼	3⅞	1⅛	⅞

ADVANCE TURN (90°)



TYPE "C"

NOTE:
USE TYPE 'A' ARROWS ON INTERSTATE AND EXPRESSWAY WITH INTERCHANGES. USE TYPE 'B' ARROWS ON THE MAINLINE OF EXPRESSWAYS WITH AT-GRADE INTERSECTIONS.
SEE STANDARD PLAN SHEET TE590 FOR DETAILED SPECIFICATIONS.

ALL DIMENSIONS ARE IN INCHES.

NO.	DATE	REVISIONS	BY	APPD

KANSAS DEPARTMENT OF TRANSPORTATION
GUIDE SIGN
LEGEND DETAILS
ARROWS

TE560 7/1/03

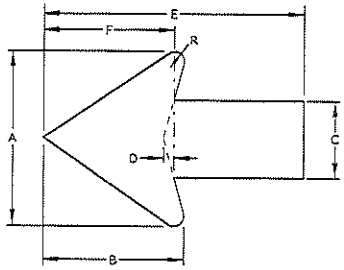
DWG APPROVAL 12/27/2002 7:28PM Steven A. Hunter
DESIGNED K.A.A.DETAILER K.A.A.DRAFTER TRACE
DESIGN CK. K.A.A.DETAIL CK. K.A.A.DRAW CK. TRACE CK.

KDOT Graphics Certified 10-21-2015 Sh. No. 51

KDOT Graphics Certified

Drawn By : bblb
File : KA4112Ots560-01.dgn (KA4112Ots560-01)
Plotted : 09-DEC-2015 09:29

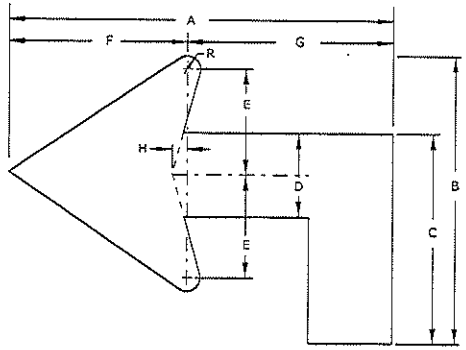
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	52	70



ARROW DIMENSIONS (INCHES)

LETTER HEIGHT	A	B	C	D	E	F	R
4"	4	3¼	1½	7/32	6	3	5/16
6"	6	4⅞	2¼	5/16	9	4½	7/16
8"	8	6½	3	7/16	12	6	⅝

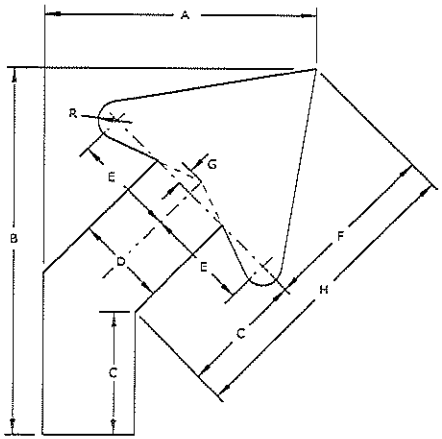
STANDARD ARROW



ARROW DIMENSIONS (INCHES)

LETTER HEIGHT	A	B	C	D	E	F	G	H	R
6"	10⅛	7½	5⅝	2¼	2 9/16	4½	5⅝	5/16	7/16
8"	13½	10	7½	3	3⅜	6	7½	7/16	⅝

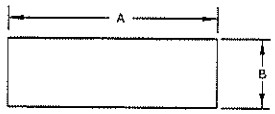
ADVANCE TURN (90°)



ARROW DIMENSIONS (INCHES)

LETTER HEIGHT	A	B	C	D	E	F	G	H	R
6"	6¾	9	3	2¼	65	4¼	5/16	7½	7/16
8"	9	12	3 13/16	3	3⅜	6	11	10	⅝

ADVANCE TURN (45°)



HYPHEN
DIMENSIONS (INCHES)

LETTER HEIGHT	A	B
6"	3	1
8"	4½	1½
10.67"	6	2
13.33"	7½	2½
16"	9	3

HYPHEN

NOTE:
SEE STANDARD PLAN SHEET TE590 FOR DETAILED SPECIFICATIONS.

ALL DIMENSIONS ARE IN INCHES.

NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION
GUIDE SIGN
LEGEND DETAILS
ARROWS AND HYPHENS

TE563 7/1/03

FORM APPROVAL 7/22/2003 APPD. STEVEN A. RUMMAN
DESIGNED D.D.G. DETAILED W.A.R. QUANTITIES TRACED
DESIGN CK. K.A.R. DETAIL CK. D.D.G. QUAL. CK. TRACE CK.

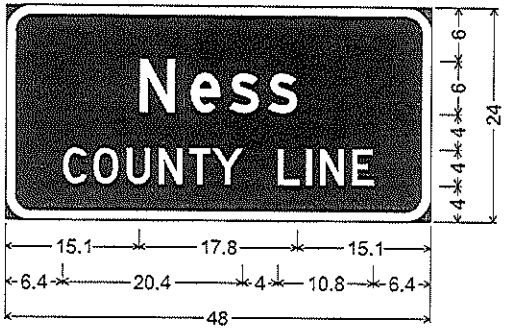
KDOT Graphics Certified 10-21-2015

Sh. No. 52

KDOT Graphics Certified

Drawn By : bilb Plotted : 09-DEC-2015 09:29
File : KA4114O1pss563-01.dgn (KA4114O1pss563-01)

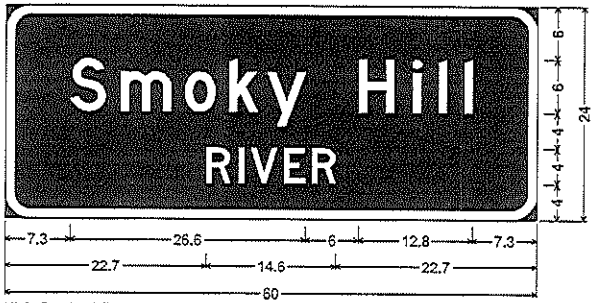
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2015	53	70



KI-97 Ness County;
3.0" Radius, 1.0" Border, White on Green;
[Ness] D; [COUNTY LINE] D;
Table of letter and object lefts.

N 15.1	e 20.8	s 25.3	s 29.6

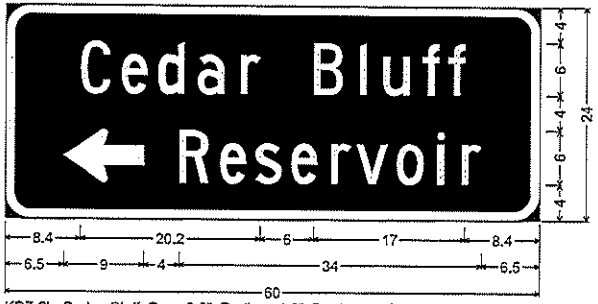
C 6.4	O 9.9	U 13.6	N 17.3	T 20.7	Y 23.4	L 30.8	I 33.9	N 35.5	E 39.1



KI-3 Smoky Hill River; 3.0" Radius, 1.0" Border, White on Green;
[Smoky Hill] D; [RIVER] D;
Table of letter and object lefts.

S 7.3	m 13.0	o 20.1	k 25.2	y 29.5	H 39.9	I 46.0	I 48.9	I 51.8

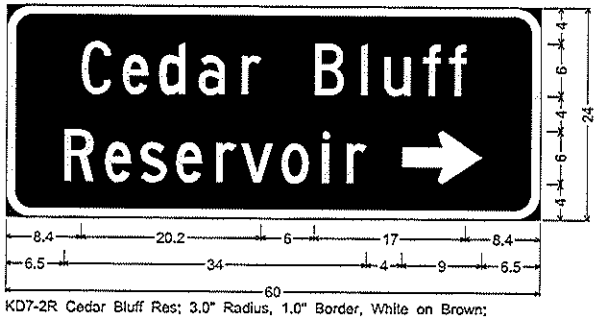
R 22.7	I 26.3	V 27.7	E 31.4	R 34.5



KD7-2L Cedar Bluff Res; 3.0" Radius, 1.0" Border, White on Brown;
[Cedar Bluff] C; Standard Arrow Custom 9.0" X 6.0" 180°; [Reservoir] C;
Table of letter and object lefts.

C 8.4	e 13.0	d 17.1	a 21.5	r 26.4	B 34.6	i 39.7	u 42.4	f 46.8	f 49.7

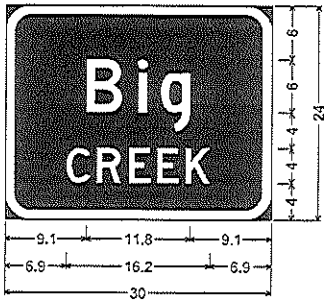
R 6.5	e 19.5	s 24.1	e 28.1	r 32.1	v 36.6	o 39.4	i 43.9	r 48.5	r 51.2



KD7-2R Cedar Bluff Res; 3.0" Radius, 1.0" Border, White on Brown;
[Cedar Bluff] C; [Reservoir] C; Standard Arrow Custom 9.0" X 6.0" 0°;
Table of letter and object lefts.

C 8.4	e 13.0	d 17.1	a 21.5	r 26.4	B 34.6	i 39.7	u 42.4	f 46.8	f 49.7

R 6.5	e 11.1	s 15.1	e 19.1	r 23.6	v 26.4	o 30.9	i 35.5	r 38.2	44.5



KI-3 Big Creek;
3.0" Radius, 1.0" Border, White on Green;
[Big] D; [CREEK] D;
Table of letter and object lefts.

B 9.1	i 15.0	g 17.5

C 6.9	R 10.3	E 14.0	E 17.2	K 20.3

KANSAS DEPARTMENT OF TRANSPORTATION

DESIGN DETAILS
SIGN LAYOUTS

DESIGNED SR DETAILED RR DESIGN EN. SPECIAL EN.

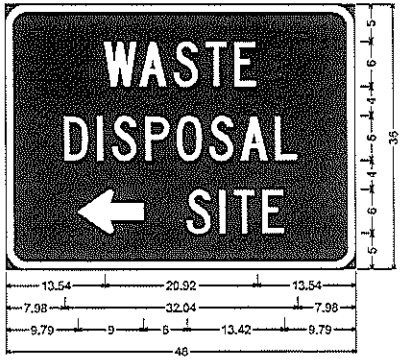
KDOT Graphics Certified 11-17-2015

Sh. No. 53

KDOT Graphics Certified

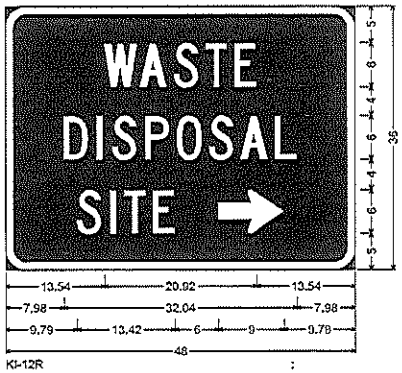
Drawn By: bbb
File: KA4112-01-sgn (KA4112-01-sgn.dgn)
Plotted: 09-DEC-2015 09:29

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	54	70



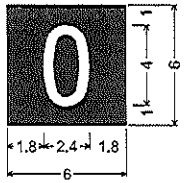
KI-12L :
3.00" Radius, 1.00" Border, White on Green;
[WASTE] C; [DISPOSAL] C;
Standard Arrow Custom 9.00" X 6.00" 180"; [SITE] C;
Table of distances between letter and object lefts.

13.54	W 4.84	A 4.77	S 4.29	T 4.02	C 3.00	13.54				
7.98	D 4.55	I 2.11	S 4.54	P 4.30	O 4.48	S 4.29	A 4.77	L 3.00	7.98	
9.79	15.00	S 4.55	I 1.85	T 4.02	E 3.00	9.79				



KI-12R :
3.00" Radius, 1.00" Border, White on Green;
[WASTE] C; [DISPOSAL] C; [SITE] C;
Standard Arrow Custom 9.00" X 6.00" 0";
Table of distances between letter and object lefts.

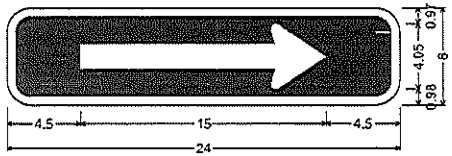
13.54	W 4.84	A 4.77	S 4.29	T 4.02	C 3.00	13.54				
7.98	D 4.55	I 2.11	S 4.54	P 4.30	O 4.48	S 4.29	A 4.77	L 3.00	7.98	
9.79	S 4.55	I 1.85	T 4.02	E 9.00	9.00	9.79				



KRM0 :
No border, None on Green;
[0] White C;
Table of distances between letter and object lefts.

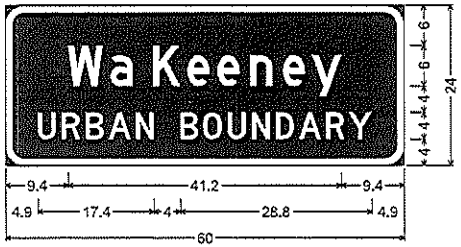
1.8	0 2.4	1.8

Typical of all KRM plaques



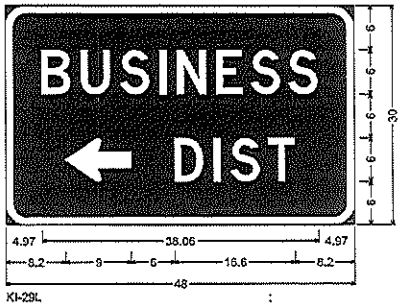
KI-0 :
1.50" Radius, 0.50" Border, White on Green;
Standard Arrow Custom 15.00" X 4.05" 0";
Table of distances between letter and object lefts.

4.50	15.00	4.50



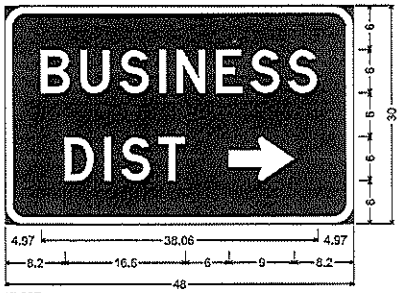
KI-96 WaKeeney Urban Boundary;
3.0" Radius, 1.0" Border, White on Green;
[WaKeeney] D; [URBAN BOUNDARY] D;
Table of letter and object lefts.

W 9.4	a 15.9	K 22.3	e 27.4	e 32.0	n 36.9	e 41.8	y 46.2	
U 4.9	R 8.5	B 12.1	A 15.6	N 19.7				
	B 26.3	O 29.8	U 33.5	N 37.2	D 40.8	A 44.2	R 48.3	Y 51.8



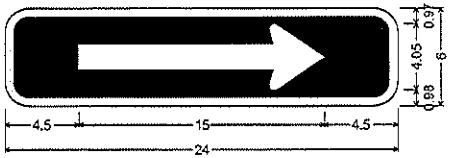
KI-29L :
3.00" Radius, 1.00" Border, White on Green;
[BUSINESS] D;
Standard Arrow Custom 9.00" X 6.00" 180"; [DIST] D;
Table of distances between letter and object lefts.

4.97	B 5.44	U 5.43	S 5.44	I 2.35	N 5.43	E 4.78	S 5.16	S 4.03	4.97	
8.20	15.00	D 5.44	I 2.34	S 5.16	T 3.86	8.20				



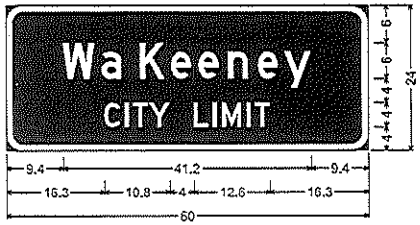
KI-29R :
3.00" Radius, 1.00" Border, White on Green;
[BUSINESS] D; [DIST] D;
Standard Arrow Custom 9.00" X 6.00" 0";
Table of distances between letter and object lefts.

4.97	B 5.44	U 5.43	S 5.44	I 2.35	N 5.43	E 4.78	S 5.16	S 4.03	4.97	
8.20	D 5.44	I 2.34	S 5.16	T 9.66	9.00	8.20				



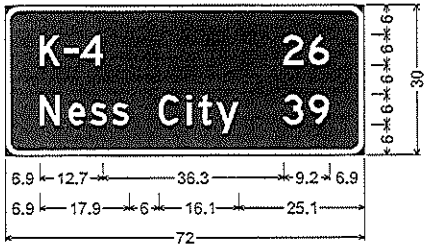
KD9-0R
1.50" Radius, 0.50" Border, White on Blue;
Standard Arrow Custom 15.00" X 4.05" 0";
Table of distances between letter and object lefts.

4.50	15.00	4.50



KI-92 WaKeeney City Limit;
3.0" Radius, 1.0" Border, White on Green;
[WaKeeney] D; [CITY LIMIT] D;
Table of letter and object lefts.

W 9.4	a 15.9	K 22.3	e 27.4	e 32.0	n 36.9	e 41.8	y 46.2	
C 16.3	I 19.7	T 21.1	Y 23.8	L 31.1	I 34.3	M 35.9	I 39.9	T 41.3



D2-2 K-4; Ness City;
3.0" Radius, 1.0" Border, White on Green;
[K-4] D; [26] D; [Ness City] D; [39] D;
Table of distances between letter and object lefts.

6.9	K 4.9	- 3.4	4 40.7	2 5.1	6 4.1	6.9

6.9	N 5.8	e 4.4	s 4.4	s 9.3	C 5.7	i 2.4	t 3.6	y 13.4	3 5.1	9 4.1	6.9	

KANSAS DEPARTMENT OF TRANSPORTATION

DESIGN DETAILS
SIGN LAYOUTS

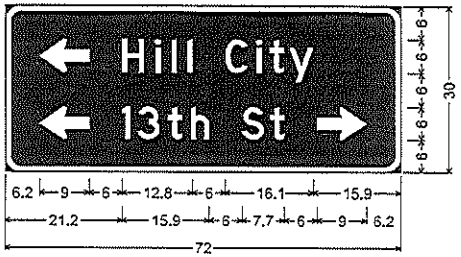
APPD
DESIGNED DETAILED DESIGN EN. DETAIL EN.

KDOT Graphics Certified 12-01-2015

Sh. No. 54

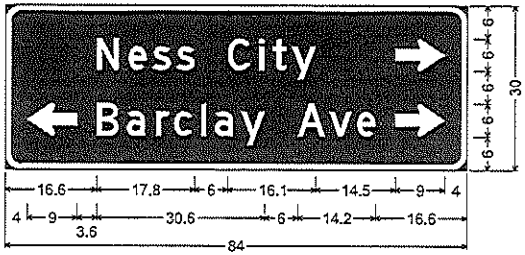
Drawn By : bilb
File : KA411201psl-02.dgn
Plotted : 09-DEC-2015 09:29
KDOT Graphics Certified

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	55	70



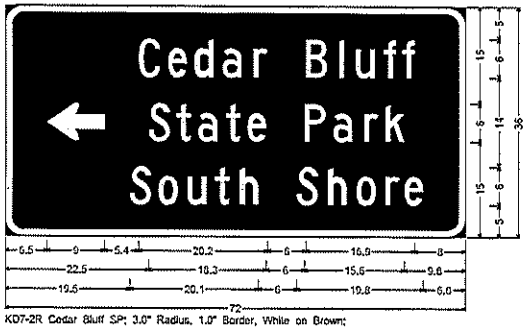
D1-2 Hill City; 13th St;
3.0" Radius, 1.0" Border, White on Green;
Standard Arrow Custom 9.0" X 6.0" 180";
[Hill City] D;
Standard Arrow Custom 9.0" X 6.0" 180";
[13th St] D; Standard Arrow Custom 9.0" X 6.0" 0";
Table of letter and object lefts.

6.2	H 21.2	i 27.3	l 30.2	l 33.1	C 40.0	i 45.7	t 48.1	y 51.7
6.2	1 21.2	3 24.1	t 29.5	h 33.7	S 43.1	t 48.2	56.8	



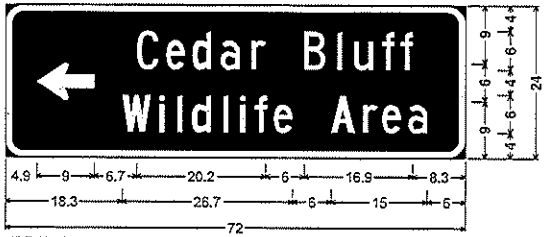
D1-2 Ness City; Barclay Ave;
3.0" Radius, 1.0" Border, White on Green;
[Ness City] D; Standard Arrow Custom 9.0" X 6.0" 0";
Standard Arrow Custom 9.0" X 6.0" 180"; [Barclay Ave] D;
Standard Arrow Custom 9.0" X 6.0" 0";
Table of letter and object lefts.

N 16.6	e 22.3	s 26.8	s 31.1	C 40.4	i 46.1	t 48.5	y 52.2	71.0		
4.0	B 16.6	a 22.1	r 27.4	c 30.7	i 35.6	a 38.1	y 42.9	A 53.2	v 59.0	e 64.1	71.0



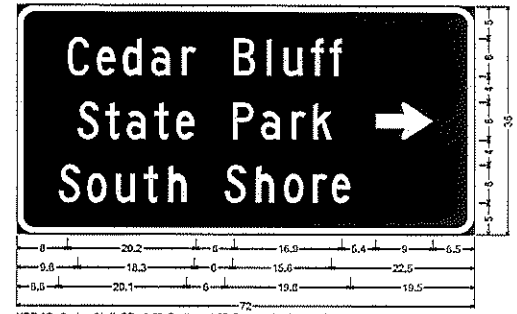
KD7-2R Cedar Bluff SP; 3.0" Radius, 1.0" Border, White on Brown;
Standard Arrow Custom 9.0" X 6.0" 180"; [Cedar Bluff] C; [State Park] C;
[South Shore] C;
Table of letter and object lefts.

6.5	C 20.9	e 25.5	d 29.5	a 34.0	r 38.8	B 47.1	i 52.1	u 54.8	f 59.2	f 62.1																
S 22.5	t 25.8	a 30.2	t 34.5	e 37.9	P 46.8	a 51.3	r 56.1	k 59.5																		
S 19.5	o 23.0	u 28.5	t 32.8	h 36.7	S 45.6	h 50.5	o 54.9	r 59.5	e 62.4																	



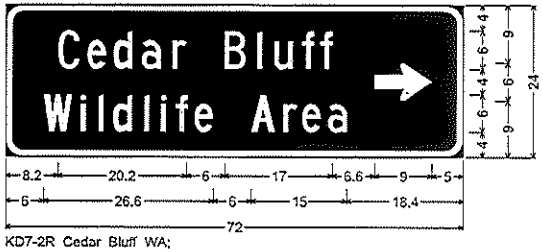
KD7-2L Cedar Bluff WA;
3.0" Radius, 1.0" Border, White on Brown;
Standard Arrow Custom 9.0" X 6.0" 180"; [Cedar Bluff] C;
[Wildlife Area] C;
Table of letter and object lefts.

4.9	C 20.6	e 25.2	d 29.2	a 33.7	r 38.5	B 46.8	i 51.8	u 54.5	f 58.9	f 61.8		
W 18.3	i 24.1	l 26.8	d 29.2	i 34.0	i 36.8	f 39.0	e 42.0	A 51.0	r 56.0	e 59.0	a 63.1	



KD7-2R Cedar Bluff SP; 3.0" Radius, 1.0" Border, White on Brown;
[Cedar Bluff] C; [State Park] C; [South Shore] C;
Standard Arrow Custom 9.0" X 6.0" 0";
Table of letter and object lefts.

C 8.0	e 12.6	d 16.6	a 21.1	r 25.9	B 34.2	i 39.2	u 41.9	i 46.3	f 49.2	56.5																
S 9.6	t 13.9	a 17.3	t 21.6	e 25.0	P 33.9	a 38.4	r 43.2	k 46.6																		
S 6.5	o 11.0	u 15.6	t 19.9	h 23.8	S 32.7	h 37.6	o 42.0	r 46.6	e 49.5																	



KD7-2R Cedar Bluff WA;
3.0" Radius, 1.0" Border, White on Brown;
[Cedar Bluff] C; [Wildlife Area] C;
Standard Arrow Custom 9.0" X 6.0" 0";
Table of letter and object lefts.

C 8.2	e 12.8	d 16.9	a 21.3	r 26.2	B 34.4	i 39.5	u 42.2	f 46.6	f 49.5	58.0				
W 6.0	i 11.8	l 14.5	d 16.8	i 21.7	i 24.4	f 26.7	e 29.7	A 38.6	r 43.7	e 46.6	a 50.7			

KANSAS DEPARTMENT OF TRANSPORTATION

DESIGN DETAILS
SIGN LAYOUTS

DESIGNED DETAILED DRAWN CK. DETAIL CK.

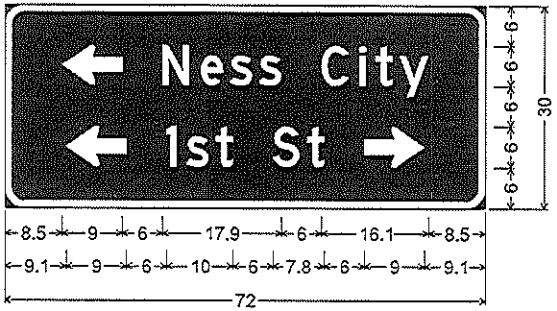
KDOT Graphics Certified 11-17-2015

Sh. No. 55

KDOT Graphics Certified

Drawn By: bilb
File: KA4112-01ps1-03.dgn (KA4112-01ps1-03pm)
Plotted: 09-DEC-2015 09:29

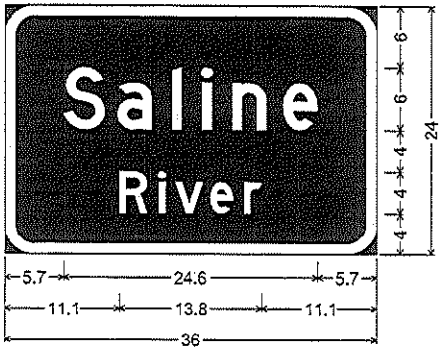
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	56	70



D1-2 Ness City; 1st St;
3.0" Radius, 1.0" Border, White on Green;
Standard Arrow Custom 9.0" X 6.0" 180°;
[Ness City] D;
Standard Arrow Custom 9.0" X 6.0" 180°;
[1st St] D; Standard Arrow Custom 9.0" X 6.0" 0°;
Table of letter and object lefts.

	N	e	s	s	C	l	t	y
8.5	23.5	29.3	33.7	38.1	47.4	53.1	55.5	59.1

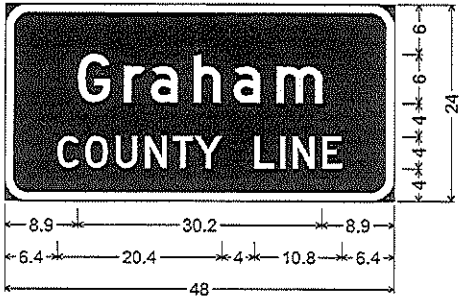
	l	s	t	S	t	
9.1	24.1	27.2	31.5	40.1	45.2	53.9



KI-3 Saline River;
3.0" Radius, 1.0" Border, White on Green;
[Saline] D; [River] D;
Table of letter and object lefts.

S	a	l	i	n	e
5.7	10.9	16.2	19.1	22.0	26.9

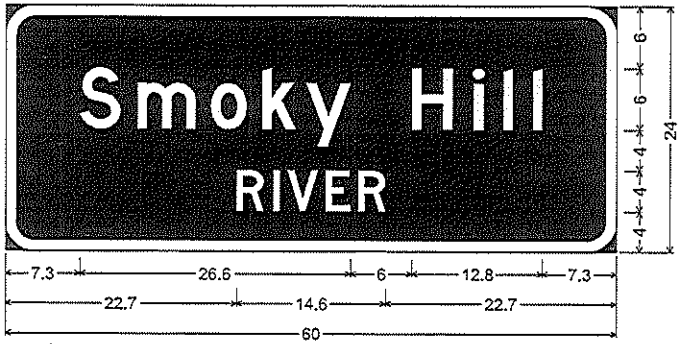
R	i	v	e	r
11.1	15.0	16.5	19.9	23.2



KI-97 Graham County;
3.0" Radius, 1.0" Border, White on Green;
[Graham] D; [COUNTY LINE] D;
Table of letter and object lefts.

G	r	a	h	a	m
8.9	14.6	17.9	23.2	28.1	33.4

C	O	U	N	T	Y	L	I	N	E
6.4	9.9	13.6	17.3	20.7	23.4	30.8	33.9	35.5	39.1



KI-3 Smoky Hill River; 3.0" Radius, 1.0" Border, White on Green;
[Smoky Hill] D; [RIVER] D;
Table of letter and object lefts.

S	m	o	k	y	H	l	i	l
7.3	13.0	20.1	25.2	29.5	39.9	46.0	48.9	51.8

R	I	V	E	R
22.7	26.3	27.7	31.4	34.6

KANSAS DEPARTMENT OF TRANSPORTATION

DESIGN DETAILS
SIGN LAYOUTS

APPD
DESIGNED DETAILED DESIGN CK. DETAIL CK.

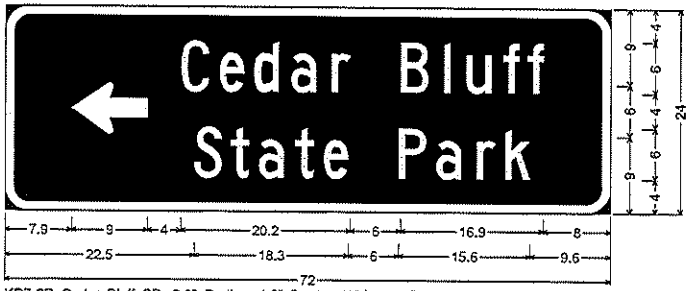
KDOT Graphics Certified 10-28-2015

Sh. No. 56

KDOT Graphics Certified

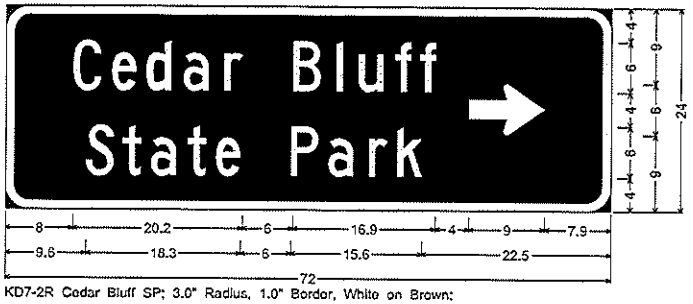
Drawn By : bilib Plotted : 09-DEC-2015 09:29
File : KA411201psl-04.dgn (KA411201psl-04)

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	57	70



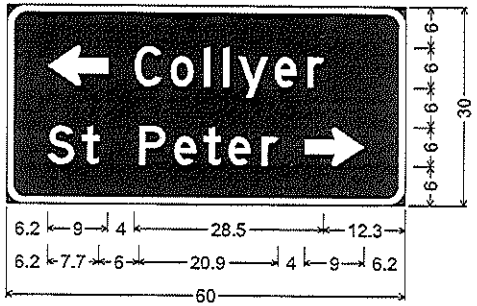
KD7-2R Cedar Bluff SP; 3.0" Radius, 1.0" Border, White on Brown;
Standard Arrow Custom 9.0" X 6.0" 180°; [Cedar Bluff] C; [State Park] C;
Table of letter and object lefts.

7.9	C 20.9	e 25.5	d 29.5	a 34.0	r 38.8	B 47.1	l 52.1	u 54.8	f 59.2	t 62.1
S 22.5	t 26.8	a 30.2	t 34.5	e 37.9	P 46.8	a 51.3	r 56.1	k 59.5		



KD7-2R Cedar Bluff SP; 3.0" Radius, 1.0" Border, White on Brown;
[Cedar Bluff] C; [State Park] C; Standard Arrow Custom 9.0" X 6.0" 0°;
Table of letter and object lefts.

8.0	12.6	16.6	21.1	25.9	34.2	39.2	41.9	46.3	49.2	55.1
9.6	13.9	17.3	21.6	25.0	33.9	38.4	43.2	46.6		



D1-2 Collyer; St Peter;
3.0" Radius, 1.0" Border, White on Green;
Standard Arrow Custom 9.0" X 6.0" 180°;
[Collyer] D; [St Peter] D;
Standard Arrow Custom 9.0" X 6.0" 0°;
Table of letter and object lefts.

6.2	C 19.2	o 24.6	l 29.6	l 32.5	y 34.9	e 40.2	r 45.2
S 6.2	t 11.3	P 19.9	e 25.2	t 29.6	e 33.3	r 38.3	44.8

KANSAS DEPARTMENT OF TRANSPORTATION

DESIGN DETAILS
SIGN LAYOUT

APPD
REVIEWED ..... BY ..... DATE/ID ..... BY ..... DESIGN CK. ..... DATE/ID ..... CK.

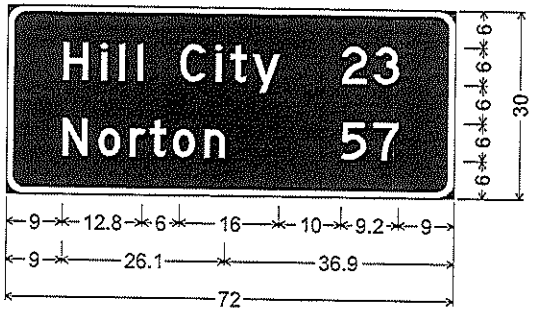
KDOT Graphics Certified 10-21-2015

Sh. No. 57

KDOT Graphics Certified

Drawn By: bilb
File: KA4112-01psl-05.dgn (KA4112-01psl-05.dgn)
Plotted: 09-DEC-2015 09:29

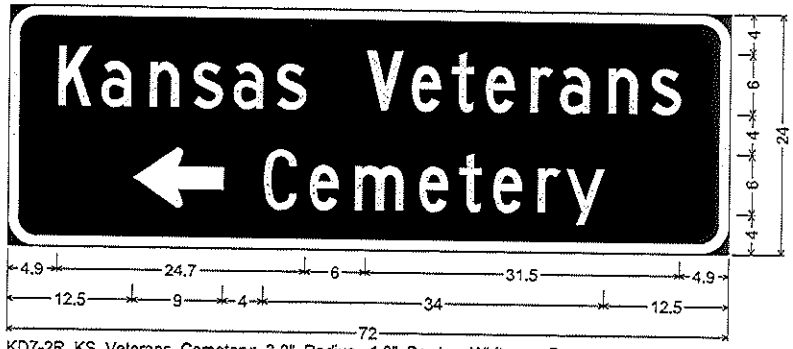
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	58	70



D2-2 Hill City Norton;
3.0" Radius, 1.0" Border, White on Green;
[Hill City] D; [Norton] D; [23] D; [57] D;
Table of distances between letter and object lefts.

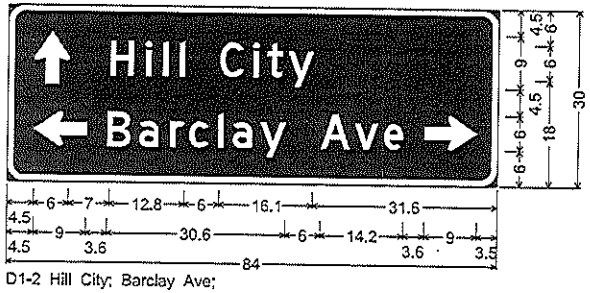
9.0	H 6.1	i 2.9	l 2.9	l 6.9	C 5.7	i 2.4	t 3.6	y 14.3	2 5.2	3 4.0	9.0

9.0	N 5.7	o 5.1	r 3.2	t 3.7	o 5.1	n 22.0	5 5.2	7 4.0	9.0



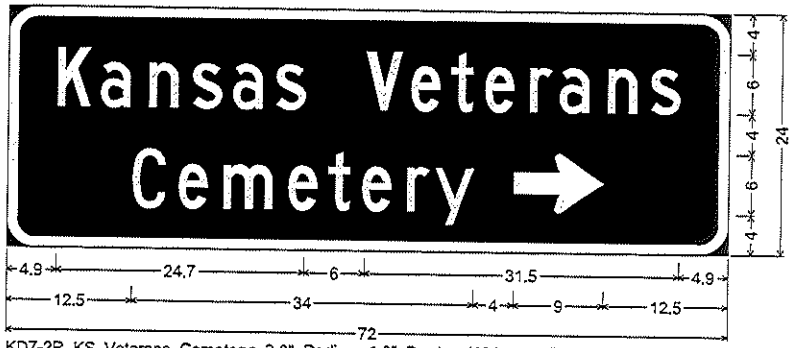
KD7-2R KS Veterans Cemetery; 3.0" Radius, 1.0" Border, White on Brown;
[Kansas Veterans] C; Standard Arrow Custom 9.0" X 6.0" 180°; [Cemetery] C;
Table of letter and object lefts.

K 4.9	a 9.2	n 14.0	s 18.4	a 22.4	s 26.7	V 35.6	e 40.1	t 44.1	e 47.5	r 52.0	a 55.0	n 59.8	s 64.1	
12.5	C 25.5	e 30.1	m 34.5	e 41.0	t 45.0	e 48.4	r 52.9	y 55.7						



D1-2 Hill City; Barclay Ave;
3.0" Radius, 1.0" Border, White on Green;
Standard Arrow Custom 9.0" X 6.0" 90°; [Hill City] D;
Standard Arrow Custom 9.0" X 6.0" 180°; [Barclay Ave] D;
Standard Arrow Custom 9.0" X 6.0" 0°;
Table of letter and object lefts.

4.5	H 17.5	i 23.6	l 26.5	l 29.4	C 36.3	l 42.0	t 44.4	y 48.0	
4.5	B 17.1	a 22.6	r 27.9	c 31.2	l 36.1	a 38.6	y 43.4	A 53.7	v 59.5	e 64.6	71.5



KD7-2R KS Veterans Cemetery; 3.0" Radius, 1.0" Border, White on Brown;
[Kansas Veterans] C; [Cemetery] C; Standard Arrow Custom 9.0" X 6.0" 0°;
Table of letter and object lefts.

K 4.9	a 9.2	n 14.0	s 18.4	a 22.4	s 26.7	V 35.6	e 40.1	t 44.1	e 47.5	r 52.0	a 55.0	n 59.8	s 64.1	
C 12.5	e 17.1	m 21.5	e 28.0	t 32.0	e 35.4	r 39.9	y 42.7	50.5						

KANSAS DEPARTMENT OF TRANSPORTATION

DESIGN DETAILS
SIGN LAYOUTS

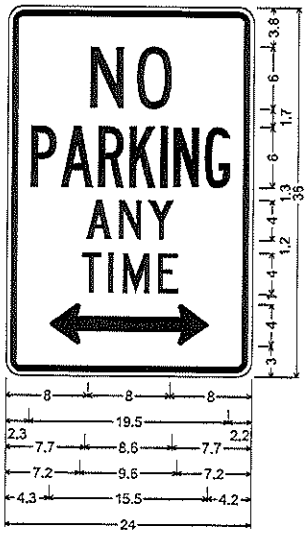
APPD
DESIGNED DETAILED DESIGN CK. DETAIL CK.

KDOT Graphics Certified 10-21-2015

Sh. No. 58

Drawn By : bills
File : KA41120 psl-06.dgn (KA41120 psl-06 pltc
Plotted : 09-DEC-2015 09:29

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	59	70



KR7-1;

[NO] C;
[PARKING] B specified length;
[ANY] C; [TIME] C;
Double Headed Arrow Custom - 15.5" 0";

8.0	N 4.5	O 3.5	8.0					
2.3	P 2.9	A 3.6	R 3.1	K 3.0	I 1.3	N 3.0	G 2.6	2.2
7.7	A 3.2	N 2.9	Y 2.5	7.7				
7.2	T 2.7	I 1.4	M 3.5	E 2.0	7.2			
4.3	← 15.4	4.3						

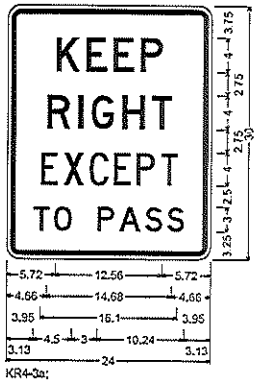
KR7-1L;
1.5" Radius, 0.6" Border, 0.4" Indent, Red on White;
[NO] C;
[PARKING] B specified length;
[ANY] C; [TIME] C;
Custom Arrow - 15.5" 0";
Table of distances between letter and object lefts.

8.0	N 4.5	O 3.5	8.0					
2.3	P 2.9	A 3.6	R 3.1	K 3.0	I 1.3	N 3.0	G 2.6	2.2
7.7	A 3.2	N 2.9	Y 2.5	7.7				
7.2	T 2.7	I 1.4	M 3.5	E 2.0	7.2			
4.3	← 15.4	4.3						

KR7-1R;

[NO] C;
[PARKING] B specified length;
[ANY] C; [TIME] C;
Custom Arrow - 15.5" 0";
Table of distances between letter and object lefts.

8.0	N 4.5	O 3.5	8.0					
2.3	P 2.9	A 3.6	R 3.1	K 3.0	I 1.3	N 3.0	G 2.6	2.2
7.7	A 3.2	N 2.9	Y 2.5	7.7				
7.2	T 2.7	I 1.4	M 3.5	E 2.0	7.2			
4.3	← 15.4	4.3						



KR4-3a;
1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;
[KEEP] D; [RIGHT] D;
[EXCEPT] C; [TO PASS] D;
Table of distances between letter and object lefts.

5.72	K 3.50	E 3.19	E 3.18	P 2.69	5.72		
4.66	R 3.62	I 1.56	G 3.63	H 3.44	T 2.43	4.66	
3.95	E 2.68	X 3.02	C 2.86	E 2.68	P 2.86	T 2.00	3.95
3.13	T 2.39	O 5.11	P 2.58	A 3.07	S 2.58	S 2.01	3.13

KANSAS DEPARTMENT OF TRANSPORTATION

DESIGN DETAILS
SIGN LAYOUTS

APPD DESIGNED DR DETAILED DR DESIGN CK. DETAIL CK.

KDOT Graphics Certified 10-21-2015

Sh. No. 59

KDOT Graphics Certified

Drawn By : bilib Plotted : 09-DEC-2015 09:29
File : KA411201psl-07.dgn (KA411201psl-07)affic

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	283-98 KA-4112-01	2016	60	70

DETAILED SPECIFICATIONS FOR FLAT SHEET SIGNS

ALL NEW FLAT SHEET SIGN BLANKS SHALL BE OF THE ALUMINUM ALLOY AND THICKNESS SHOWN ON THE FLAT SHEET BLANK DETAIL SHEETS.

FLAT SHEET BLANKS SHALL BE USED FOR SIGNS THAT ARE LESS THAN OR EQUAL TO 7'-0" IN LENGTH AND/OR LESS THAN OR EQUAL TO 4'-0" IN HEIGHT. FLAT SHEET BLANKS SHALL ALSO BE USED FOR SIGNS THAT ARE 4'-0" IN LENGTH AND LESS THAN OR EQUAL TO 8'-0" IN HEIGHT.

THE DESIGN DETAILS FOR SIGNS (COLOR, LETTER HEIGHT, AND LETTER SERIES) SHALL BE AS SHOWN IN THE 'STANDARD HIGHWAY SIGNS' MANUAL (2004 EDITION), UNLESS OTHER DETAILS ARE SHOWN IN THE PLANS.

ALL SIGN FACES WITH BLUE, GREEN, RED, YELLOW, FLUORESCENT YELLOW GREEN, BROWN, OR WHITE BACKGROUND SHALL BE COVERED WITH TYPE IV HIGH INTENSITY RETROREFLECTIVE SHEETING.

THE TYPE OF ADHESIVE USED FOR RETROREFLECTIVE SHEETING OR LETTERING FILM SHALL BE HEAT ACTIVATED OR PRESSURE SENSITIVE.

THE SIGN FACES SHALL BE DIRECT SCREEN PROCESS, REVERSE SCREEN PROCESS, OR DIRECT APPLIED LEGEND.

DETAILED SPECIFICATIONS FOR STRUCTURAL EXTRUDED PANEL SIGNS

ALL NEW REINFORCED SIGN PANELS SHALL BE OF THE FABRICATION, ALUMINUM ALLOY, AND THICKNESS SHOWN ON THE REINFORCED PANEL DETAIL SHEETS. IF EXTRUSHEET FABRICATED SIGN PANELS ARE USED, THEY SHALL BE OF THE LENGTH, WIDTH AND IN THE POSITION SHOWN. IF EXTRUSHEET FABRICATED PANEL DIMENSIONS ARE NOT SHOWN, A LINE OF LEGEND SHOULD BE PLACED ENTIRELY ON ONE PANEL. IF EXTRUDED FABRICATED SIGN PANELS ARE USED, EITHER 1'-0" OR 6" PANELS SHALL BE USED. THE 1'-0" PANELS SHALL BE USED ONLY AT THE TOP OR BOTTOM OF SIGNS.

REINFORCED PANELS SHALL BE USED FOR SIGNS THAT ARE GREATER THAN 7'-0" IN LENGTH OR GREATER THAN 4'-0" IN HEIGHT.

ALL SIGN FACES SHALL BE COVERED WITH TYPE IV HIGH INTENSITY RETROREFLECTIVE SHEETING.

THE RETROREFLECTIVE SHEETING USED FOR THE DIRECT APPLIED LEGEND, AND DIRECT APPLIED BORDERS SHALL BE TYPE IV HIGH INTENSITY RETROREFLECTIVE SHEETING.

THE TYPE OF ADHESIVE USED FOR RETROREFLECTIVE SHEETING OR LETTERING FILM SHALL BE HEAT ACTIVATED OR PRESSURE SENSITIVE.

LETTERS AND NUMBERS ON REINFORCED PANEL SIGNS ARE MODIFIED SERIES "E" UNLESS OTHERWISE SHOWN.

SPACING TABLE DIMENSIONS ARE IN INCHES.

NO.	DATE	REVISIONS	BY	APPD
1	7/01/03	Changed Notes and Sheeting Type	R.D.G.	D.B.

KANSAS DEPARTMENT OF TRANSPORTATION

DETAILS SPECIFICATIONS FOR REINFORCED SIGN PANELS AND FLAT SHEET SIGNS

TE590 7/1/03

TYPE APPROVAL 7/23/2003 (DATE) (LEVEL A Number)
DESIGNED R.G.G./D.C.T.A.D. K.A.A./D.W.A.D.F.W. TRACED
DESIGN CK. K.A.A./D.C.T.A. CK. K.A.A./D.W.A. CK. TRACE CK.

KDOT Graphics Certified 10-21-2015

Sh. No. 60

KDOT Graphics Certified

Plotted : 09-DEC-2015 09:29
Drawn By : bjb
File : KA4112(01)ps590-01.dgn (KA4112(01)ps590-01)