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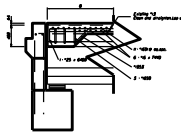
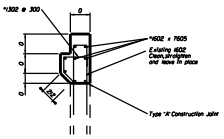
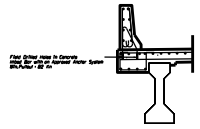


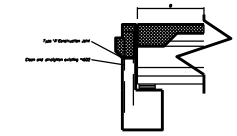
BR_ENDBNT



BR_RAILAN



BR_REMOV



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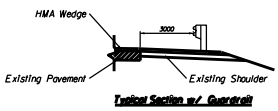
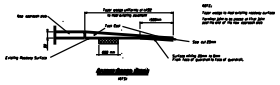
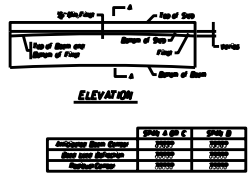


Typical Section w/ Guardrail

BR_WEDGE



BR_ELEV

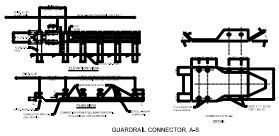


ELEVATION

BR_SECAA

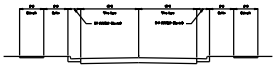
SECTION A-A

DIST_GRAILCAS_E



GUARDRAIL CONNECTOR, A-S

EA_TYP2L



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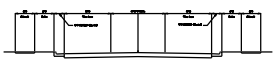

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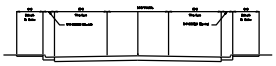
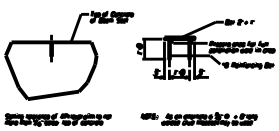
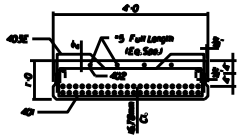


DS_ANCHORPLATE_E



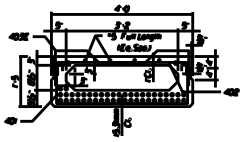
ANCHOR PLATE W1-4PL

DS_B4CB12_E



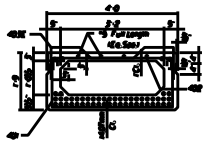
SECTION CB-12

DS_B4CB17_E



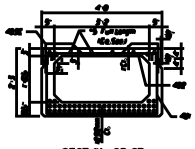
SECTION CB-17

DS_B4CB21_E



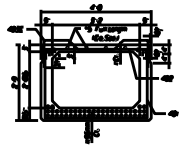
SECTION CB-21

DS_B4CB27_E



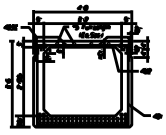
SECTION CB-27

DS_B4CB33_E



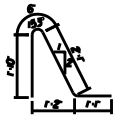
SECTION CB-33

DS_B4CB42_E



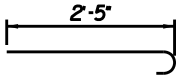
SECTION CB-42

DS_BAR591_E



591a x 5'-6"

DS_BAR594_E



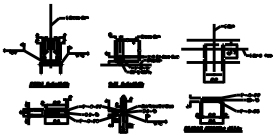
594 x 3'-0"

DS_BNDET_E

???? END OF BEAM ???? END OF BEAM

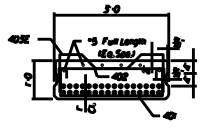
BEAM NOTCH DETAILS

DS_BRNGASEM_E



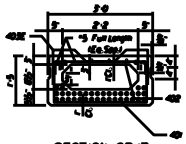
DS_BRRAIL_E

DS_BXCB12_E



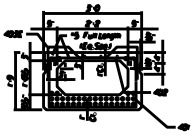
SECTION CB-12

DS_BXCB17_E



SECTION CB-17

DS_BXCB21_E



SECTION CB-21

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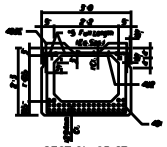
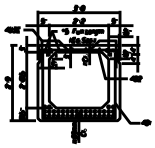


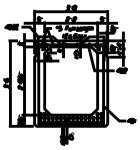
SECTION CB-27

DS_BXCB33_E



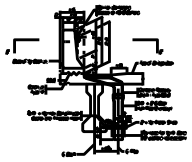
SECTION CB-33

DS_BXCB42_E



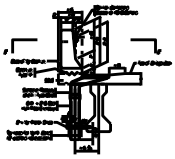
SECTION CB-42

DS_CONSECIN_E



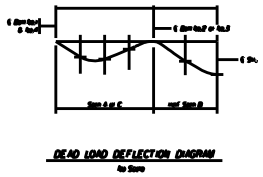
SECTION C-C

DS_CONSECOUT_E



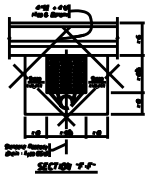
SECTION C-C

DS_DLDEF_E

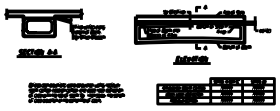


DEAD LOAD DEFLECTION DIAGRAM

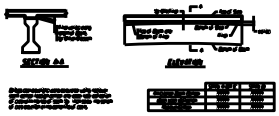
DS_DRAINI_E



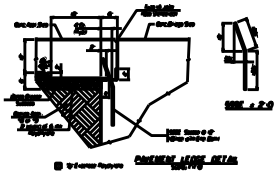
DS_FILET2_E



DS_FILLET_E

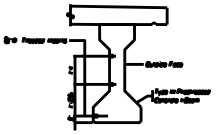


DS_PVMTLDGE_E



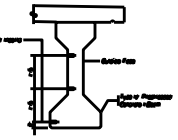
DS_SECOB2_E

DS_SECOB3_E



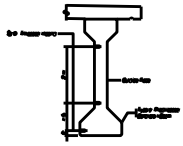
SECTION AT OUTSIDE BEAM

DS_SECOB4_E

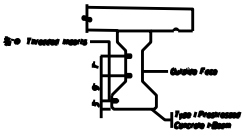


SECTION AT OUTSIDE BEAM

DS_SECOB5_E

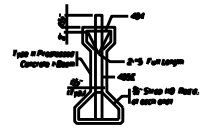


DS_SECOB_E



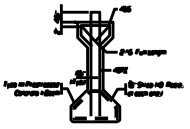
SECTION AT OUTSIDE BEAM

DS_SECSR2_E



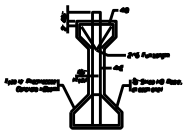
SECTION SHOWING REINFORCING

DS_SECSR3_E



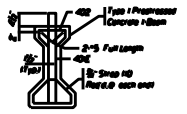
SECTION SHOWING REINFORCING

DS_SECSR4_E



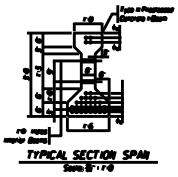
SECTION SHOWING REINFORCING

DS_SECSR_E



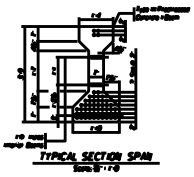
SECTION SHOWING REINFORCING

DS_TYPSS2_E



TYPICAL SECTION SPAN

DS_TYPSS3_E



TYPICAL SECTION SPAN

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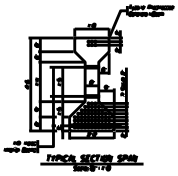

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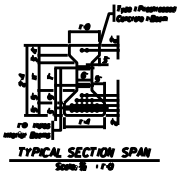
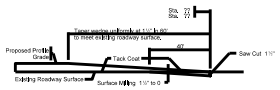


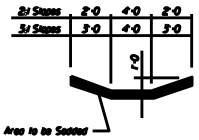
TYPICAL SECTION SPAN

DS_BWEDGE_E



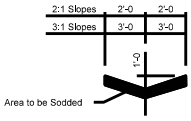
BITUMINOUS WEDGE DETAIL
No Scale

DS_DRI020_E



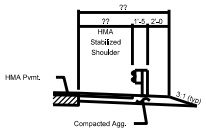
SODDED DITCH
No Scale

DS_DRI030_E



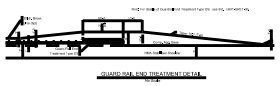
"V" BOTTOM SODDED DITCH
No Scale

DS_GR_E

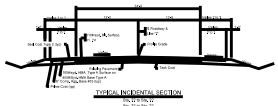


TYPICAL SECTION WITH GUARD RAIL

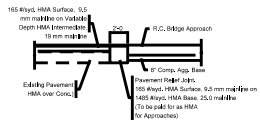
DS_GRETD_E



DS_INCID_E

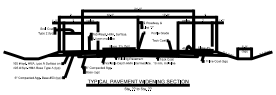


DS_PRJD_E



PAVEMENT RELIEF JOINT DETAIL
No Scale

DS_PVMTW_E



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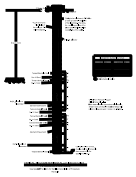
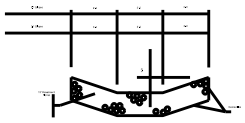


DS_RRAPD_E



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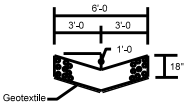

RIPRAP TURNOUT
TYPICAL SECTION
No Scale

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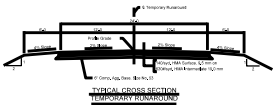

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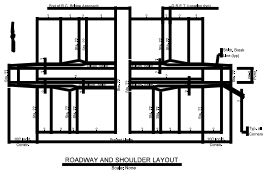

ROADWAY AND SHOULDER LAYOUT

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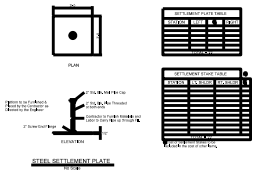
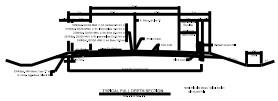
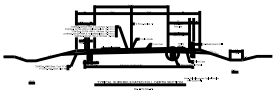
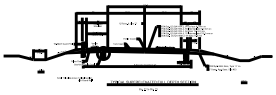
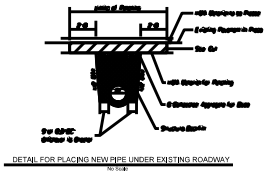
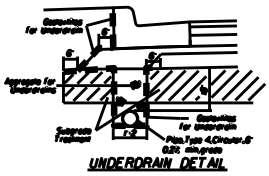
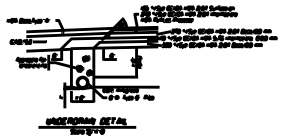
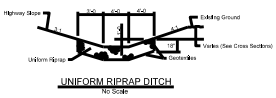
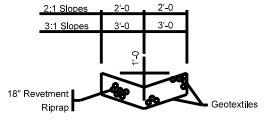
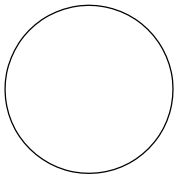
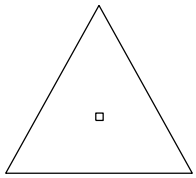
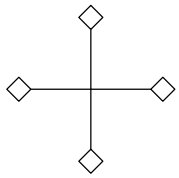
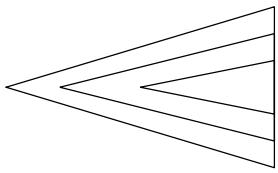
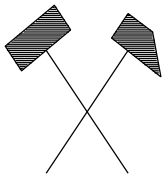
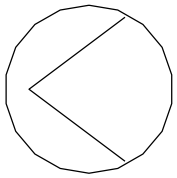
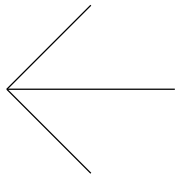
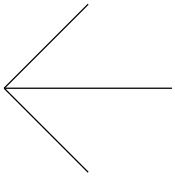
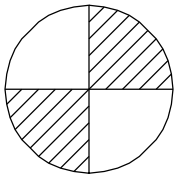
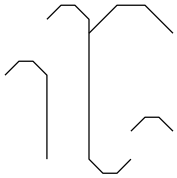
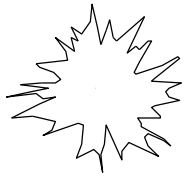
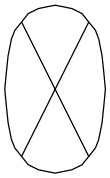
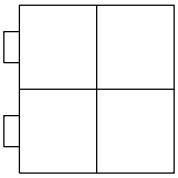
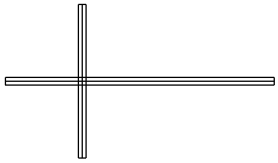
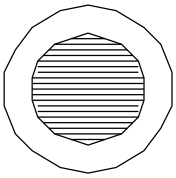
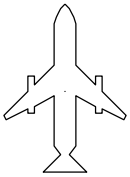
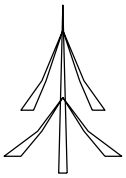
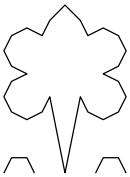
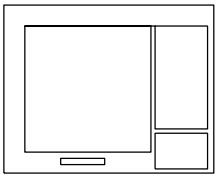
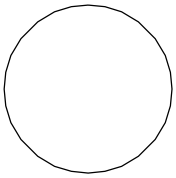
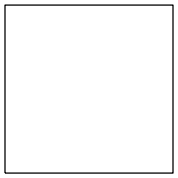
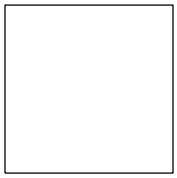
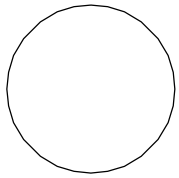
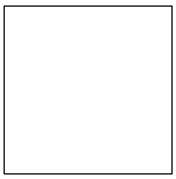
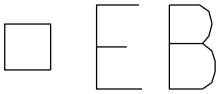
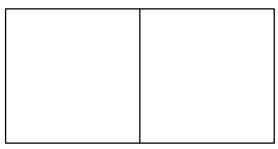
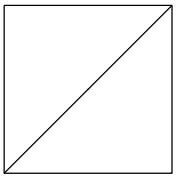
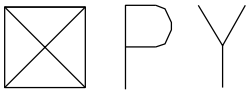
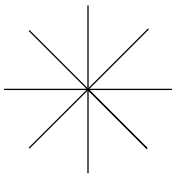
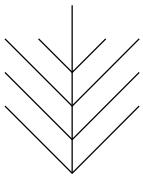
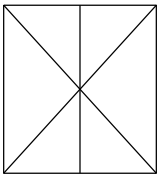
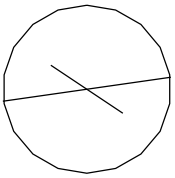
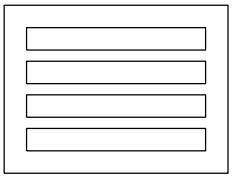
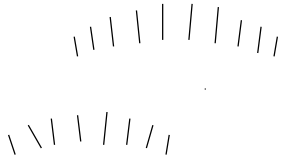
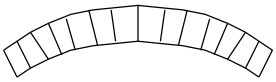
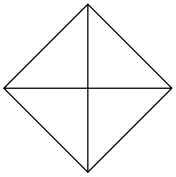
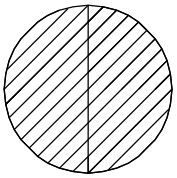
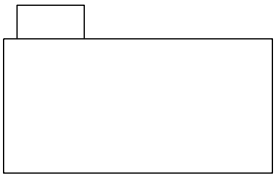
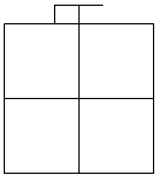
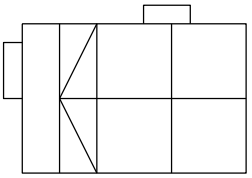
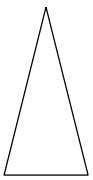
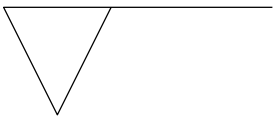
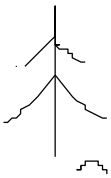
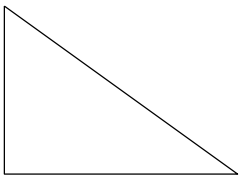
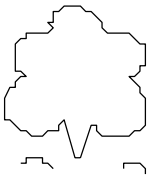
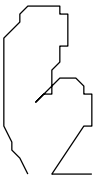
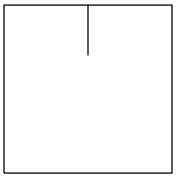
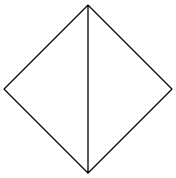
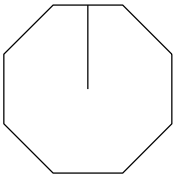
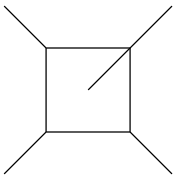
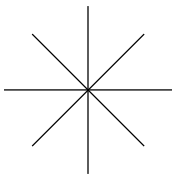
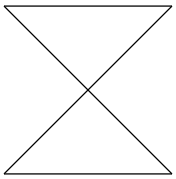
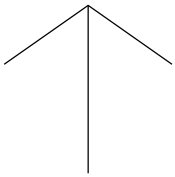
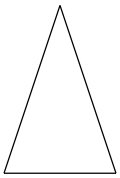
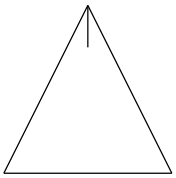
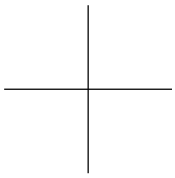
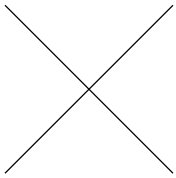
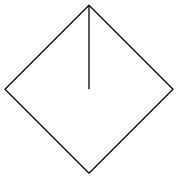
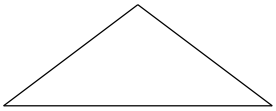
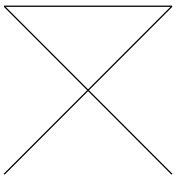
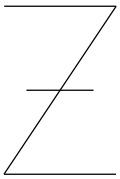
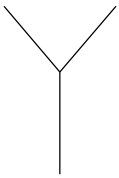
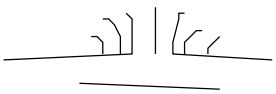
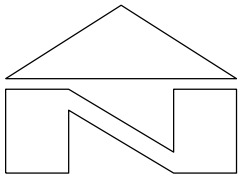
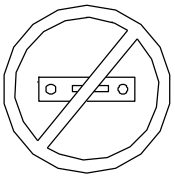
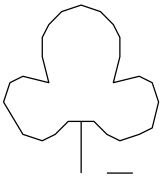
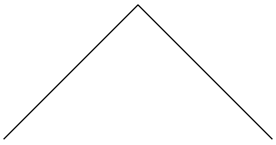
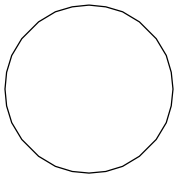
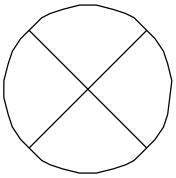
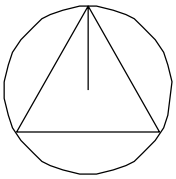
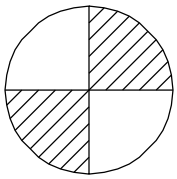
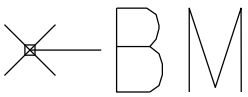
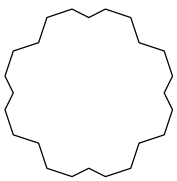
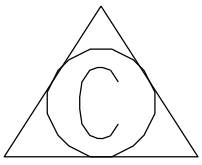
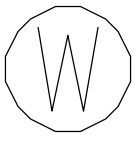
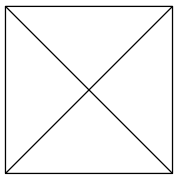
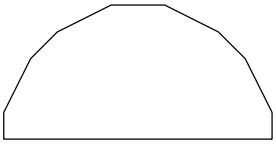


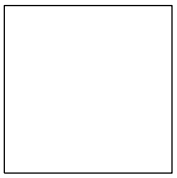
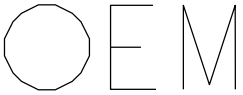
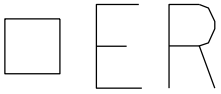
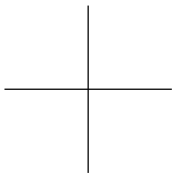
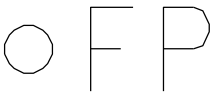
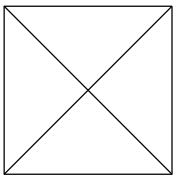
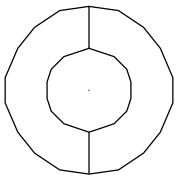
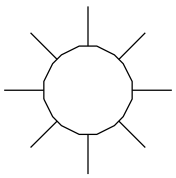
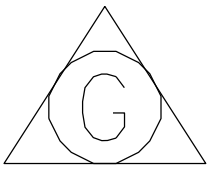
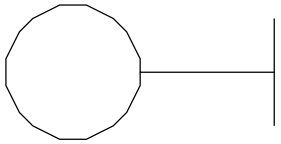
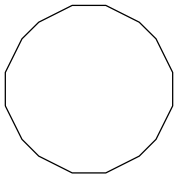
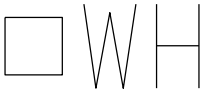
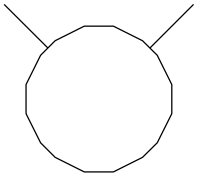
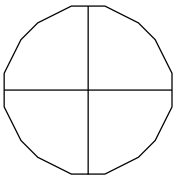
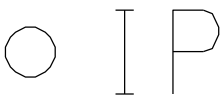
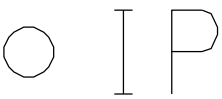
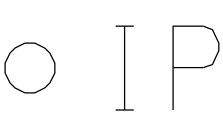
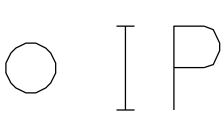
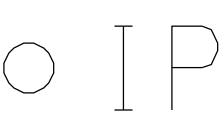
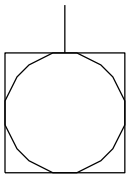
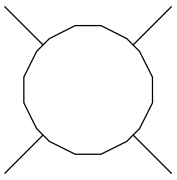
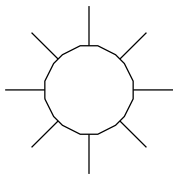
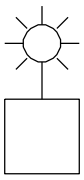
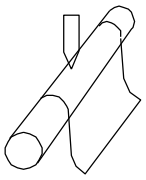
STEEL SETTLEMENT PLATE

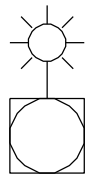
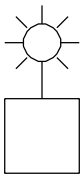
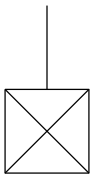
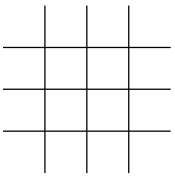
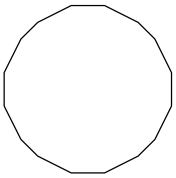
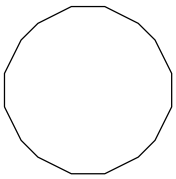
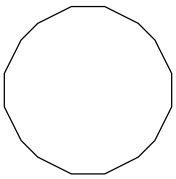
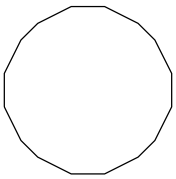
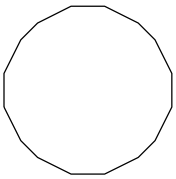
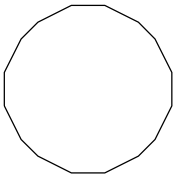
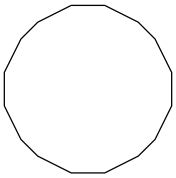
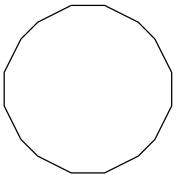
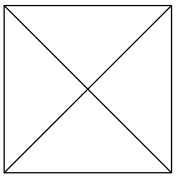
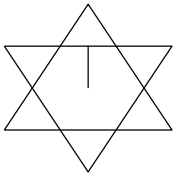
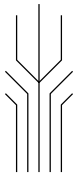
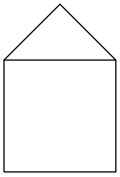
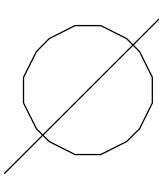
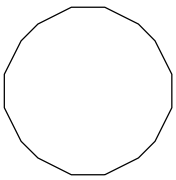
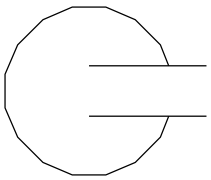
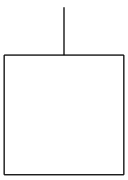
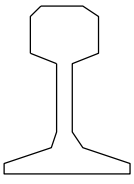
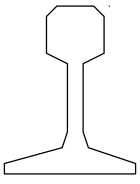
DS_TSI010_E 	DS_TSI020_E 	DS_TSI030_E 	DS_TSI100_E 
DS_UDI020_E 	DS_UDRAIN_E 	DS_URRD_E 	DS_VBRAPD_E 

nrthsymb	pipein 	trig_p 	antiqs 
arrosy 	battle 	bearch 	bencl 
benchm 	boreho 	bracke 	bush2 
cavesy 	chapel	chase 	christ 
circho 	civlia 	clmacr	conife 
coposi	decidu 	downar	dpfico 
drainl 	drain2 	drain3 	drain4 
drain5 	dtlsym	elecbo 	elecpo 

elecpy 	elepyl 	errsym 	firehy
firtre 	garage 	gasval	gradch 
gully 	heath 	heathla 	honosy 
hostac 	hythe 	hythe2 	hythe3 
iadsyl	iadsy2 	iadsy3 	lbould
lconif 	leigh 	lncon 	lscrub 
marshs	msl_0 	misc 	msl_1 
msl_10 	msl_11 	msl_12 	msl_13

msl_14 	msl_15 	msl_16	msl_2 
msl_3 	msl_4 	msl_5 	msl_6 
msl_7 	msl_8 	msl_9 	msreed 
northi 	mxmacr	northsy	nyullsy 
orchar 	osbmk 	oscirc 	osrvsn 
ostrgs 	pavevm 	PBMK 	PBRP
PBSP	PBTH	PBUS 	PCBD
PCCR 	PCIS 	PCON 	PCRB 

PDID 	PDRH	PELM 	PELR 
PELV 	PFLP 	PGAM	PGAR
PGDB 	PGFC 	PGLT 	PGPS 
PGPT	PGSO	PGUY 	PGWL
PGWS	PHHL 	PHUB 	PHYD 
PICF 	PIPO 	pip2 	pip3
pip4 	pip6 	pip8 	PJNT 
PLIT 	PLPT 	PLTD 	pltico 

PLTJ 	PLTP 	PMAP 	PMAT 
PMBO	PMBM	PMBX	PMHC 
PHMD 	PMHE 	PMHG 	PMHI 
PMHS 	PMHT 	PMHW 	PMON 
PNGS 	posier 	POWN 	PPBX
PPIN	PPKN	PPOL 	PPSO
PPST 	PPVT 	PPWP 	PRDN
pres00 	prestr 	PREO	pre2

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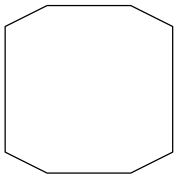
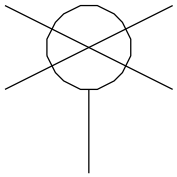
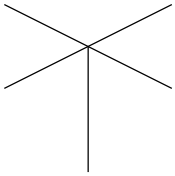
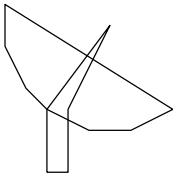
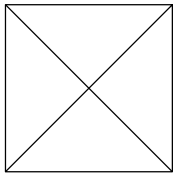
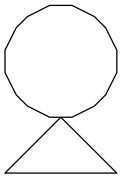
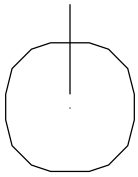
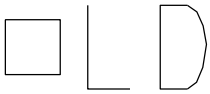
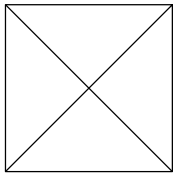
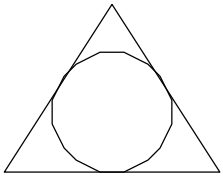
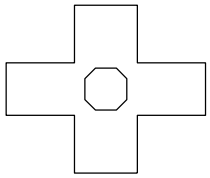
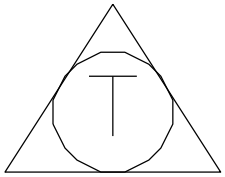
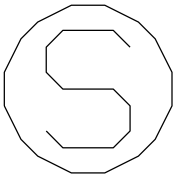
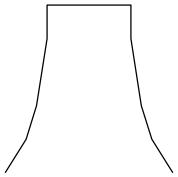
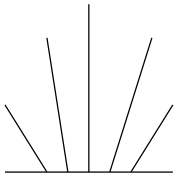
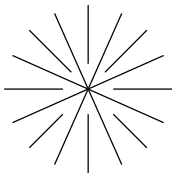
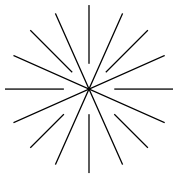
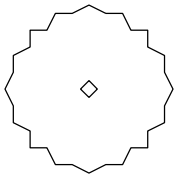
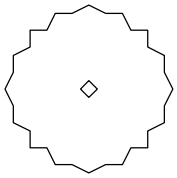
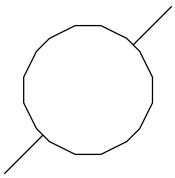
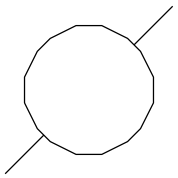
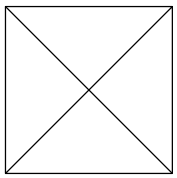
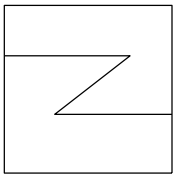
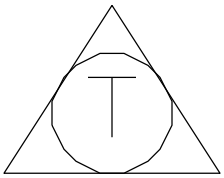
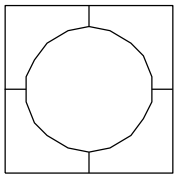
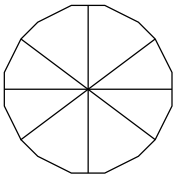
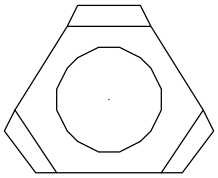
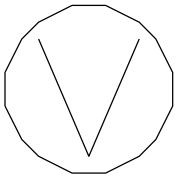
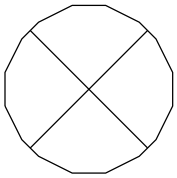
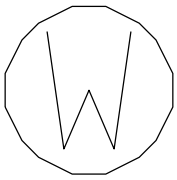
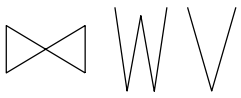
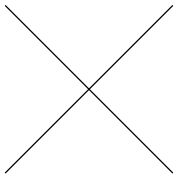
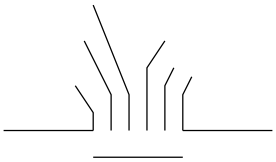
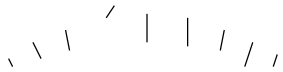
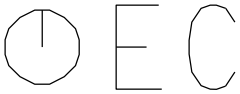
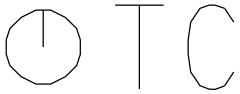
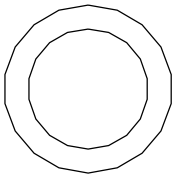
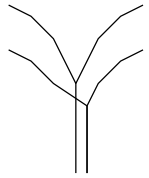
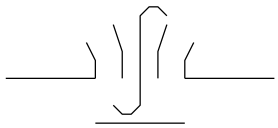
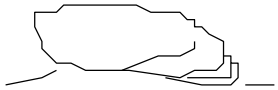
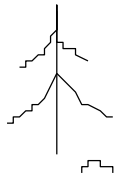
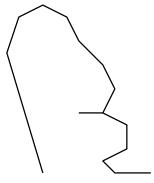
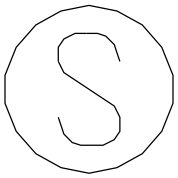
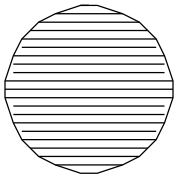
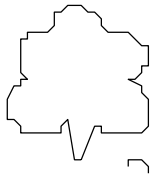
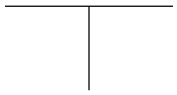
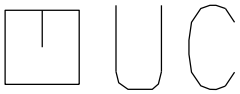
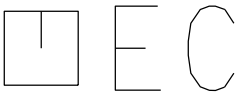
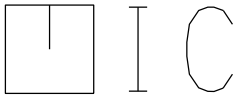
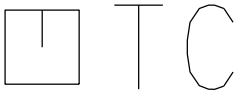
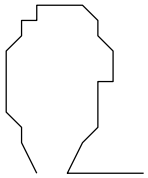
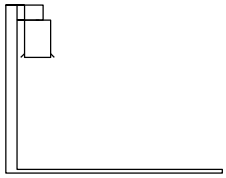
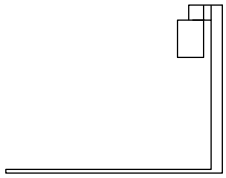
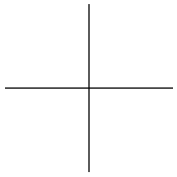
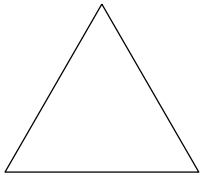
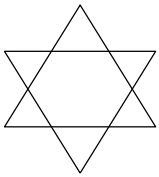
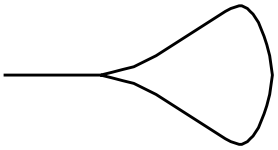
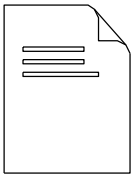
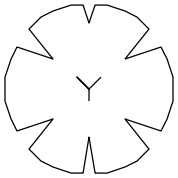
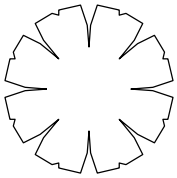
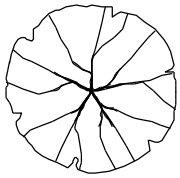
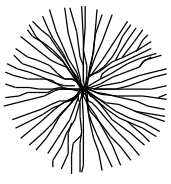
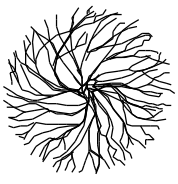
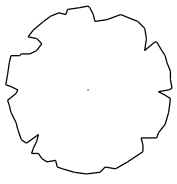
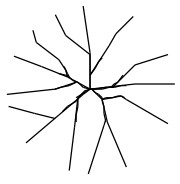
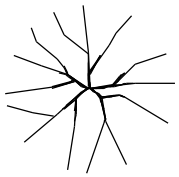
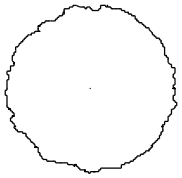
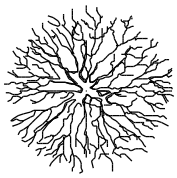
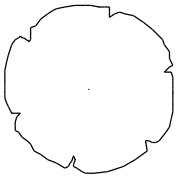
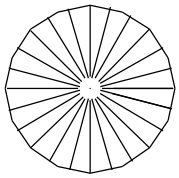
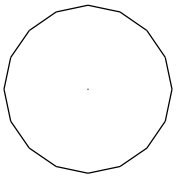
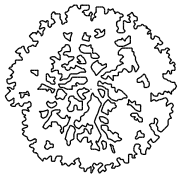
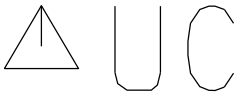
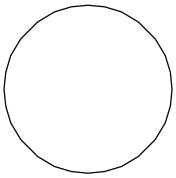
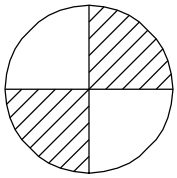
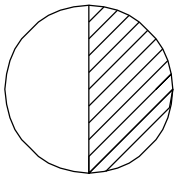
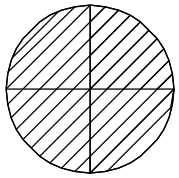
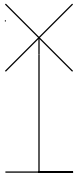
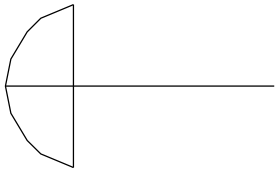
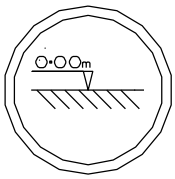
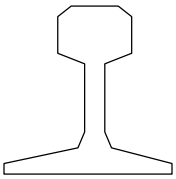
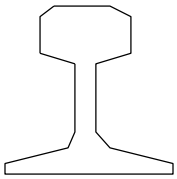
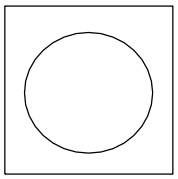
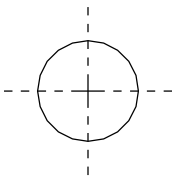
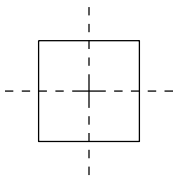
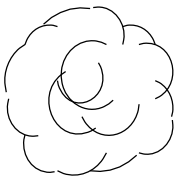
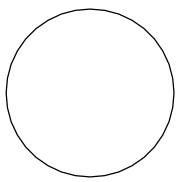
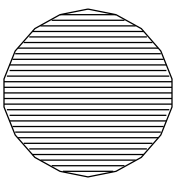
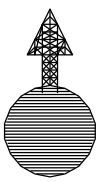
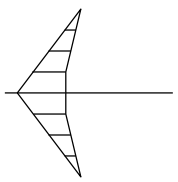
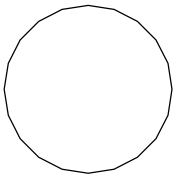
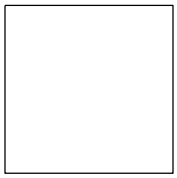
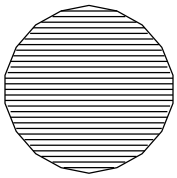
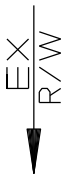
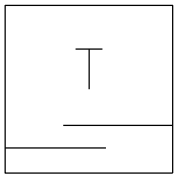
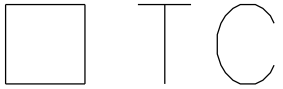
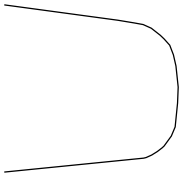
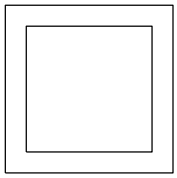
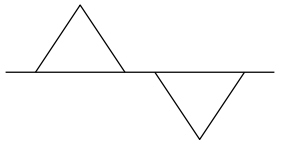
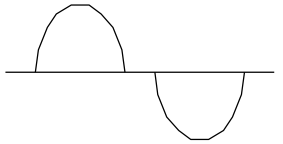
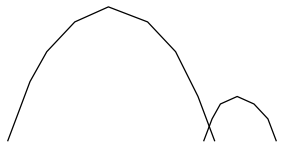
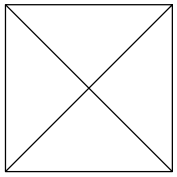
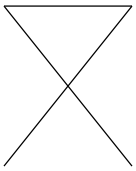
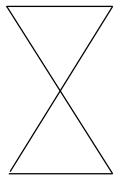
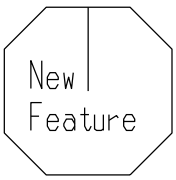
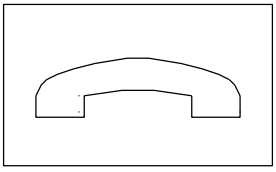
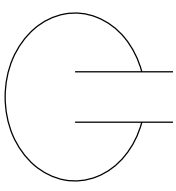
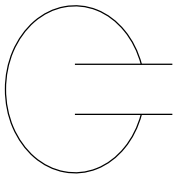
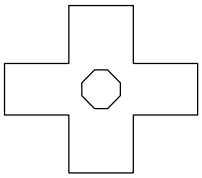
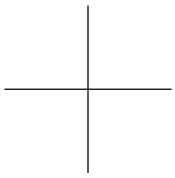
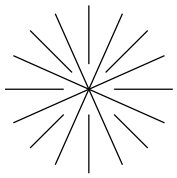
pre7	pre8	PRRS 	PRSL 
PRSN 	PSAT 	PSBD 	PSGL 
PSGN	PSHD 	PSLD 	PSLM 
PSND	PSSA 	PSSC 	PSST 
PSTK 	PSTO	PSTP 	PSWP 
PCTR 	PCTS 	PTDR 	PTDS 
PTEL 	PTER	PTGP 	PTLM 

PTOW 	PTRV 	PTSP 	PVTR
PUSC 	PUSG 	PVAC 	PVBX 
PWAM	PWAR	PWEL 	PWGT
PWSO 	PWTR 	reedss 	rgrass 
rnarro	rndecr 	rndgcr	rndicr
rndmhl	rndtcr 	rndwcr	rock
rohrRu 	romhno	rowtex	rughgr 
saltin 	sbould 	sconif 	scrubs 

seatsy	seedpt 	smallf 	snconi 
splnkl	splnkr	spotle 	sqmhno 
sqreec 	sqregc	sqreic 	sqremh
sqretc 	sqrewc	sscrub 	stopva
strsli 	strsre 	surfle 	surstn 
synago 	tadpl 	tbmsym	telebx
textic 	tree 	treesy 	treel 
treel0 	treell 	treel2 	treel3 

tree2 	tree4 	tree5 	tree6 
tree7 	tree8 	tree9 	triagr
triarr	trmhno 	uparro	vertar
vertsy	vipsym 	vipsy2 	vipsy3 
vipsy4 	windmi 	wtmtr	xarro 
zerosy 	pooo 	pool 	poo2 
poo3	poo4 	poo5 	poo6 
poo8 	pooa 	poob 	pooc 

pood 	POOE 	poof 	pooh 
PFOM	PGMW	PTUB 	PCAN 
PANC 	PCST 	PEDC	PEDE
PEDT	PEDG	ltc 	ltd 
lpar5	wood20 	lstab	PGBD 
PMBD	PPSN 	PBRK 	PMHO
PZZZ 	servic 	PTFP	PMAG
PDEL	PHPT 	PCCE	PCCT

PCCP	PWLP	PGVT 	PCCRR
PASE 	PFEL 	PTVR	PTCS 
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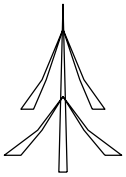
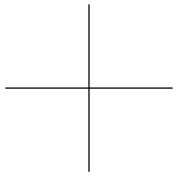
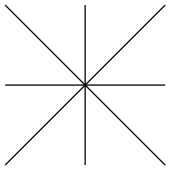
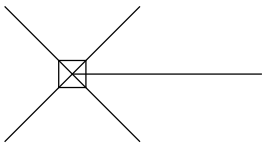
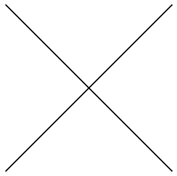
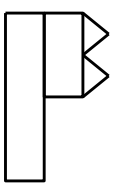
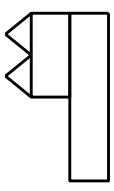
PWED WEEDS	PWOD WOODS	CONIFERS 	PCEL 
pbrk Stopo 	pbmkrev 	PNUM 	pgarro
clrzone	grailIt 	grailrt 	obsfzn

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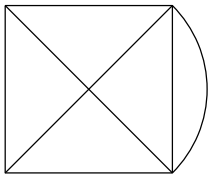
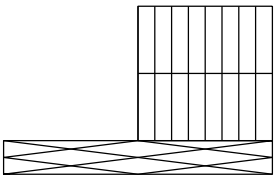
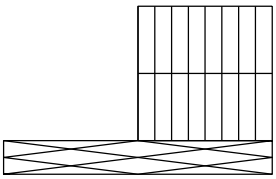
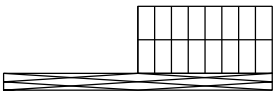
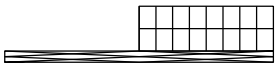
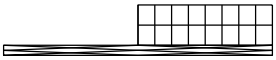
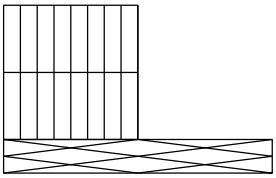
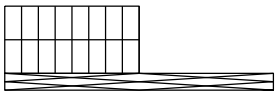
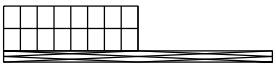
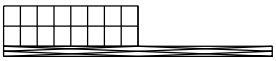
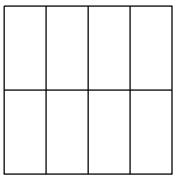
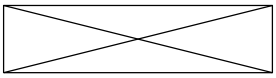
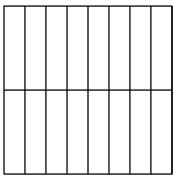
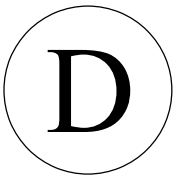
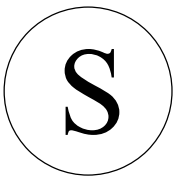
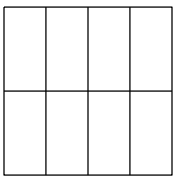
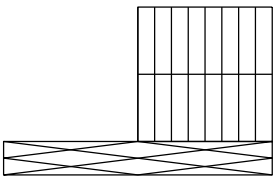
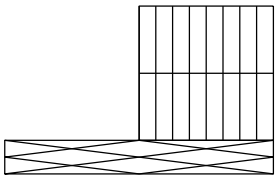
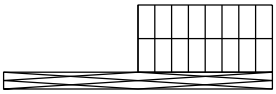
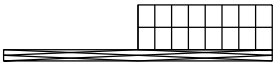
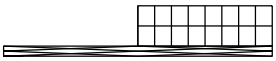
PSLT 	MARKI	PGSN	PBRS
3DTree	Ex_Inlet_Combo 	Ex_Inlet_Combo_1xl 	Ex_Inlet_Combo_2xl 
Ex_Inlet_Combo_3.0xl 	Ex_Inlet_Combo_3.33xl 	Ex_Inlet_Combo_6xl	Ex_Inlet_ComboL_1xl 
Ex_Inlet_ComboL_2xl 	Ex_Inlet_ComboL_3.0xl 	Ex_Inlet_ComboL_3.33xl 	Ex_Inlet_ComboL_6xl
Ex_Inlet_CurbGrate 	Ex_Inlet_CurbOpening 	Ex_Inlet_MedianDrop 	Ex_Manhole_Drainage 
Ex_Manhole_Sanitary 	Flow Arrow	Grate 	Inlet_Combo 
Inlet_Combo_1xl 	Inlet_Combo_2xl 	Inlet_Combo_3.0xl 	Inlet_Combo_3.33xl 

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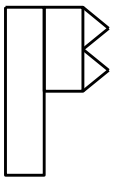
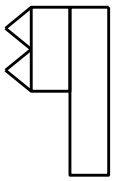
grailltm 	grailrtm 	obsfznm	pgarrom
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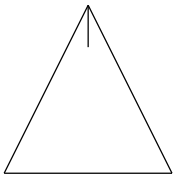
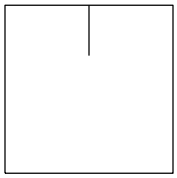
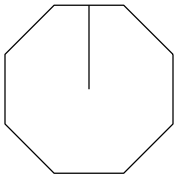
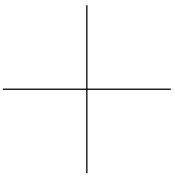
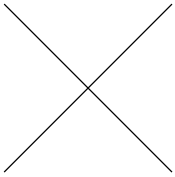
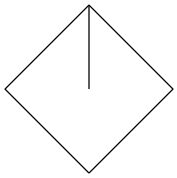
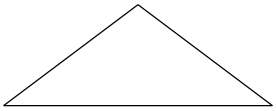
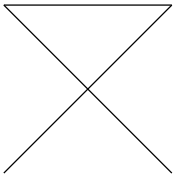
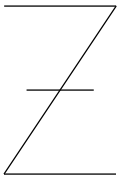
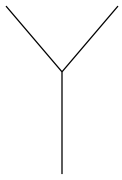
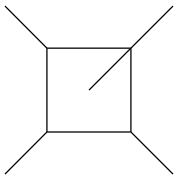
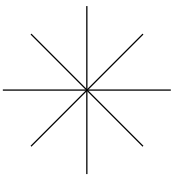
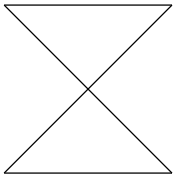
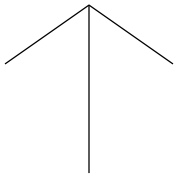
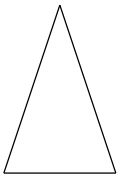
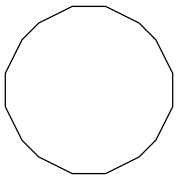
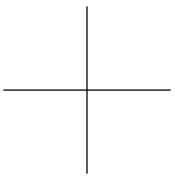
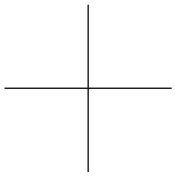
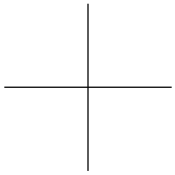
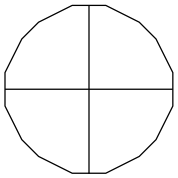
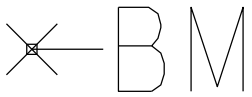
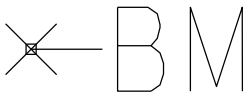
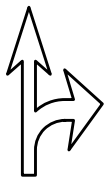
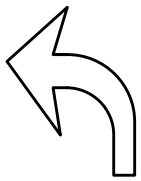
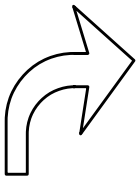
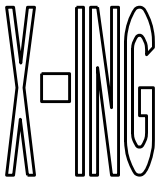
mslsym2 	mslsym0 	mslsym1 	mslsym3 
mslsym4 	mslsym5 	mslsym6 	mslsym7 
mslsym8 	mslsym9 	mslsym10 	mslsym11 
mslsym12 	mslsym13	mslsym14 	mslsym15 
mslsym16	IADSYMBI	PMHD 	PCHE 

PRES 	PTRA 	PFLY 	PIDT 
PIFC 	SN_EARCLT	SN_EARCRT 	SN_EARLT 
SN_EARRT 	SN_EONLY	SN_ARTHR	SN_RR
SN_SCHOOL	SN_XING 	tinfo	CrossSectionTags
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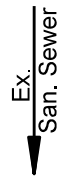
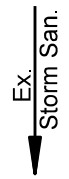
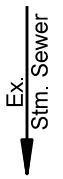
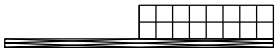
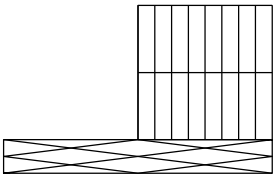
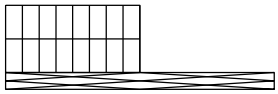
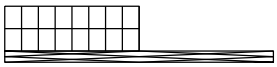
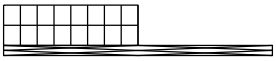
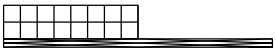
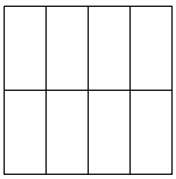
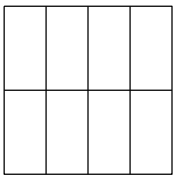
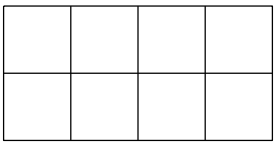
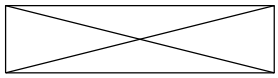
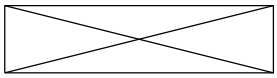
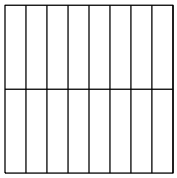
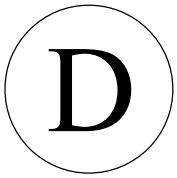
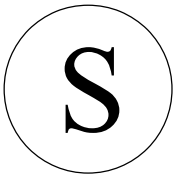
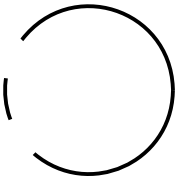
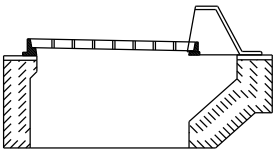
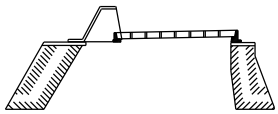
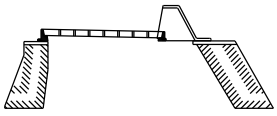
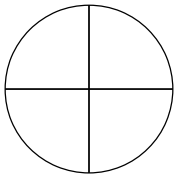
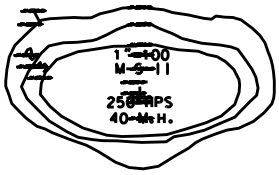
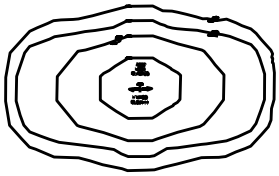
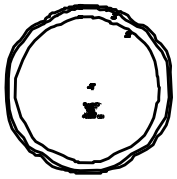
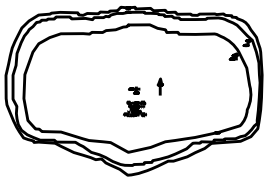
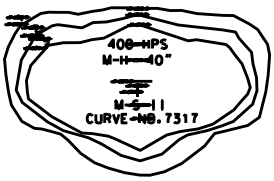
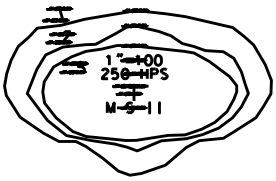
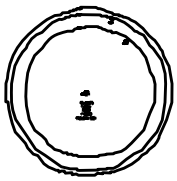
XSECExPetroleum	XSECExSanSwr 	XSECExStmSan 	XSECExStmSewer 

Inlet_Combo_4xI 	Inlet_Combo_6xI	Inlet_ComboL_1xI 	Inlet_ComboL_2xI 
Inlet_ComboL_3.0xI 	Inlet_ComboL_3.33xI 	Inlet_ComboL_4xI 	Inlet_ComboL_6xI
Inlet_CurbGrate 	Inlet_CurbGrate_1xI 	Inlet_CurbGrate_2xI 	Inlet_CurbOpening 
Inlet_CurbOpening_1 	Inlet_CurbOpening_4	Inlet_MedianDrop 	Manhole_Drainage 
Manhole_Sanitary 	Pipe 	Sign Xsection	STLGHT
STOP	Tree Xsection	xBAD XS_Inlet_Combo_3.0 	XS_Inlet_Combo_3.0 
XS_Inlet_ComboL_3.0 	DS_LINFO	SectionCorner 	

LG_II250 	LG_IIII80 	LG_MCII0D	LG_MCII60 
LG_MCIII 	LG_MH40 	LG_MSII25 	LG_SCV 

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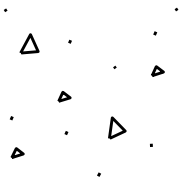
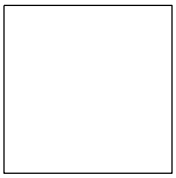
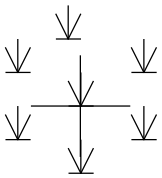
CONC 	SOLID 	SWP 	HONEY
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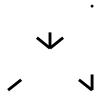
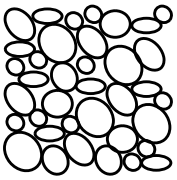
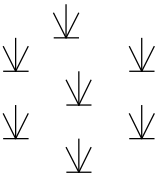
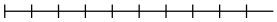
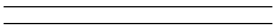
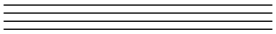
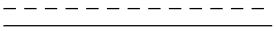
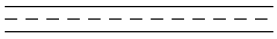
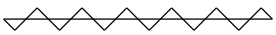
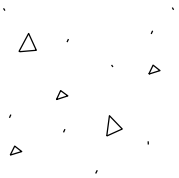
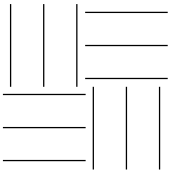
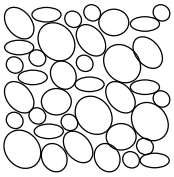
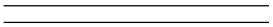
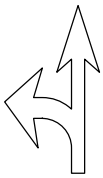
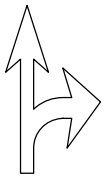
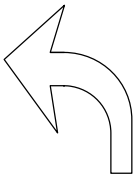
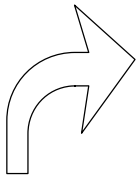
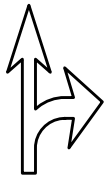
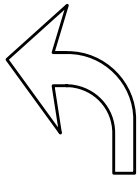
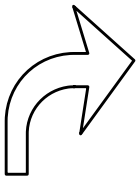
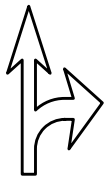
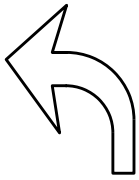
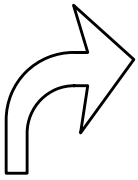
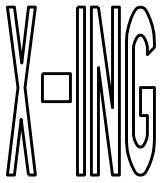
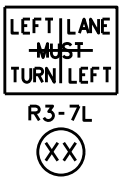
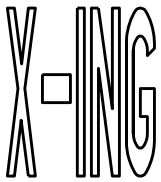
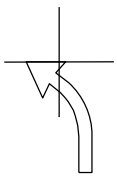
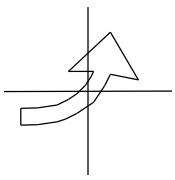
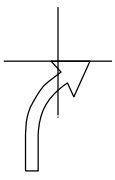
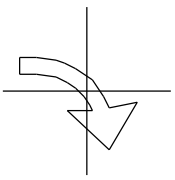
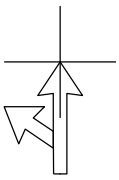
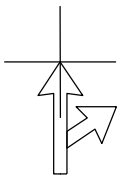
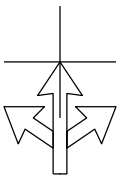
EARTH	GRASS 	RCK 	WETLNDS 
MAGAL 	STEEL 	RUBBER 	BRONZE 
TITAN 	THERM 	TICK	ST_CONC 
ST_EARTH 	ST_RCK 	ST_STEEL 	

EA_ARCLT 	EA_ARCRT 	EA_ARLT 	EA_ARRT 
EA_ARTHR	SN_ARCLT	SN_ARCRT 	SN_ARLT 
SN_ARRT 	SN_ARTHR	SN_EARCLT	SN_EARCRT 
SN_EARLT 	SN_EARRT 	SN_EARTHR	SN_EONLY
SN_ERR	SN_ESCHOO	SN_EXING 	SN_LML 
SN_ONLY	SN_RR	SN_SCHOOL	SN_XING 
SG_LA 	SG_LLA 	SG_RA 	SG_RLAR 
SG_SLA 	SG_SRA 	SG_SRL 	

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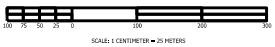
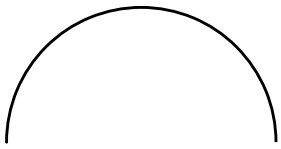
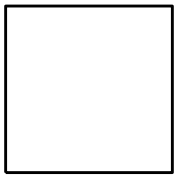
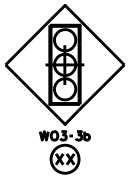
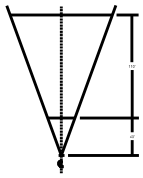
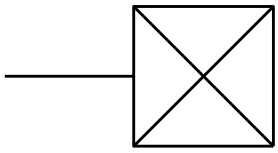
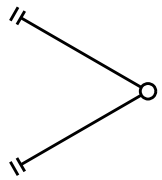
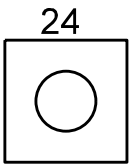
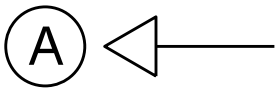
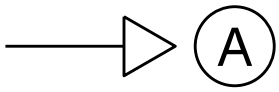
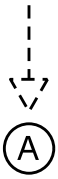
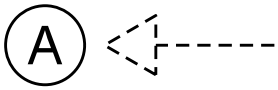
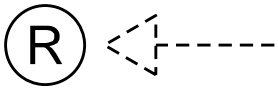
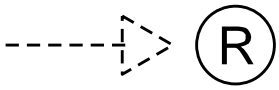
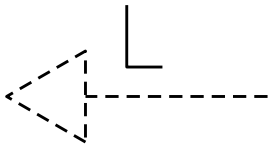
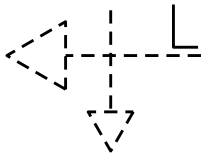
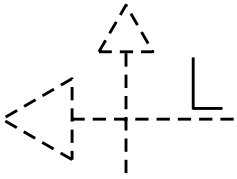
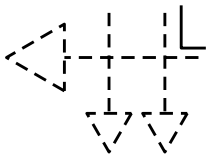
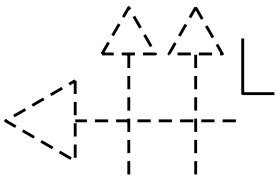
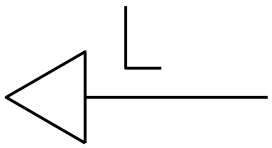
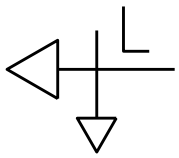
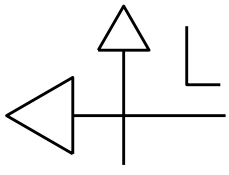
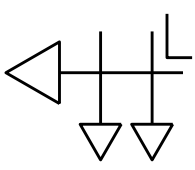
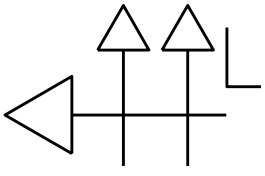
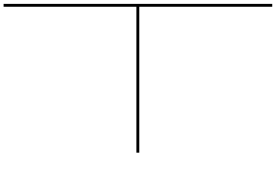
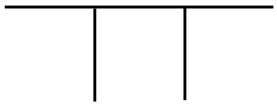
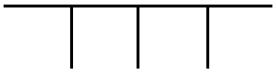
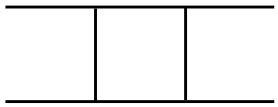
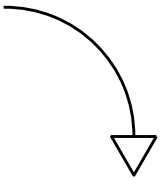
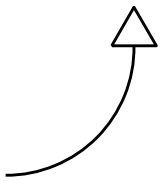
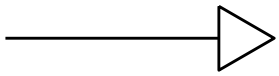
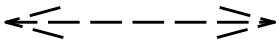
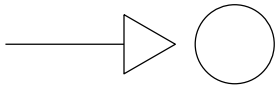
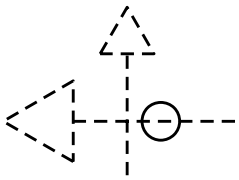
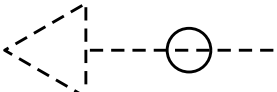
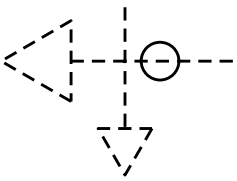
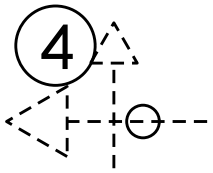
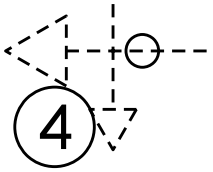
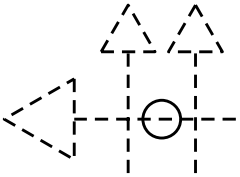
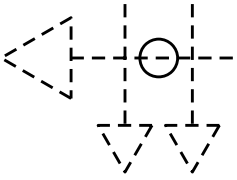
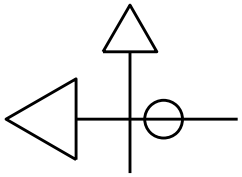
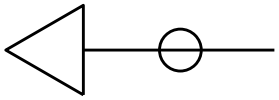
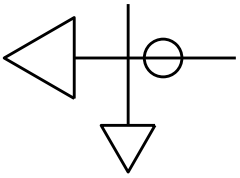
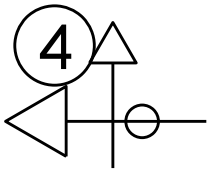
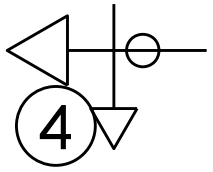
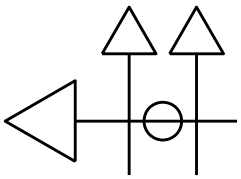
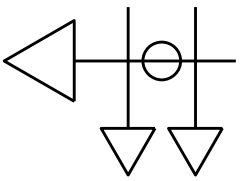
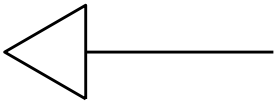
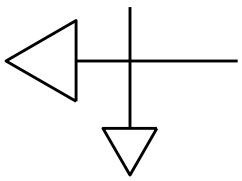
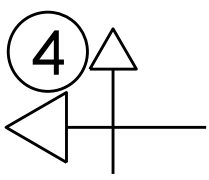
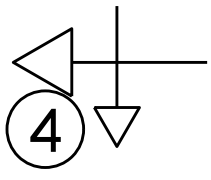
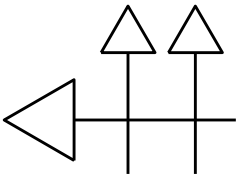
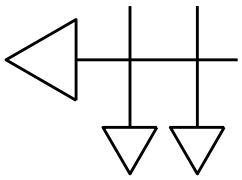
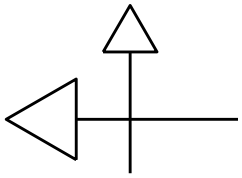
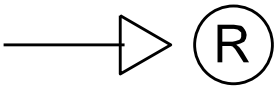
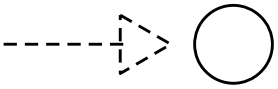
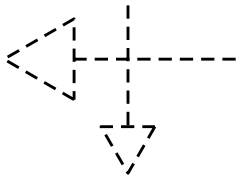
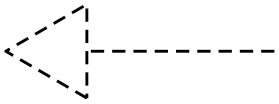
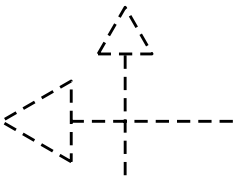
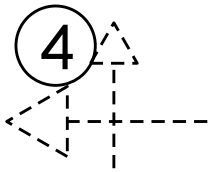
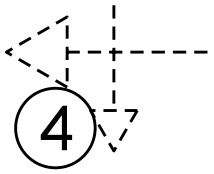
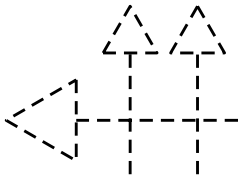
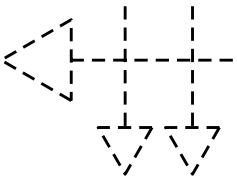
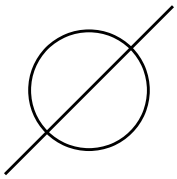
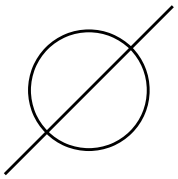
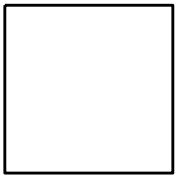
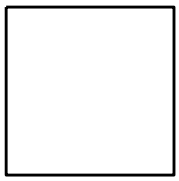
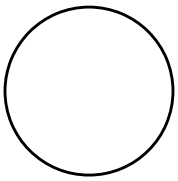
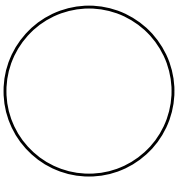
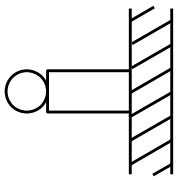
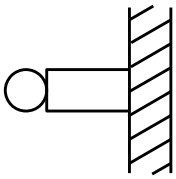
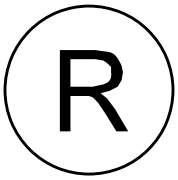
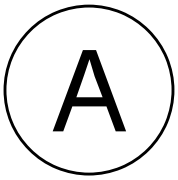
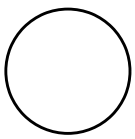
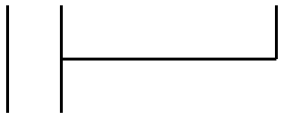
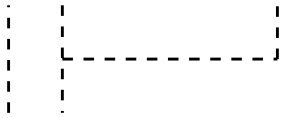
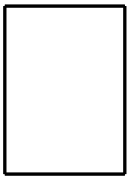
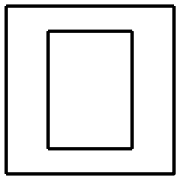
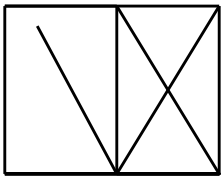
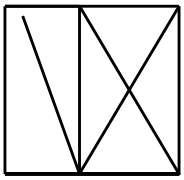
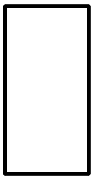
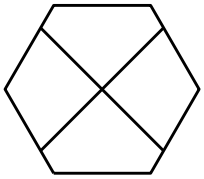
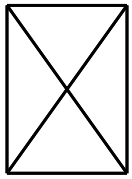
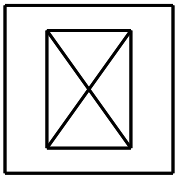
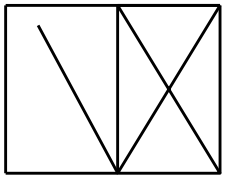
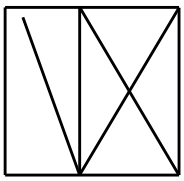
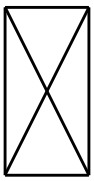
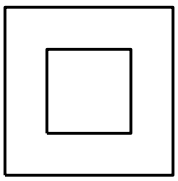
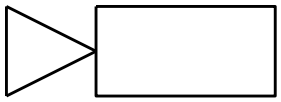
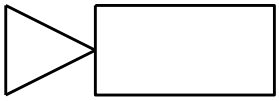
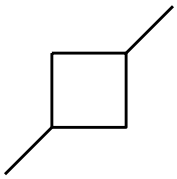
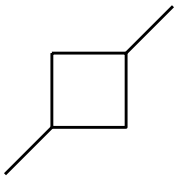
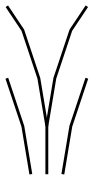
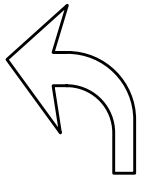
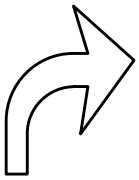
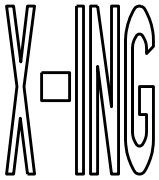
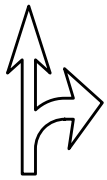
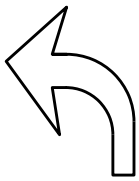
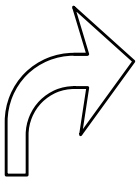
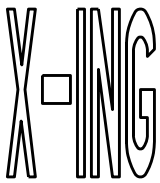
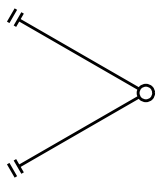
SV_SCALE25  	SV_SCALE50 SCALE: 1" = 50' 0' 25' 50'	SV_SCALE10 SCALE: 1" = 10' 0' 5' 10'	SV_SCALE20 SCALE: 1" = 20' 0' 10' 20'
SV_SCALE30 SCALE: 1" = 30' 0' 15' 30'	SV_SCALE40 SCALE: 1" = 40' 0' 20' 40'	SV_SCALE60 SCALE: 1" = 60' 0' 30' 60'	SV_SCALE100 SCALE: 1" = 100' 0' 50' 100'
SV_SCALE200 SCALE: 1" = 200' 0' 100' 200'			

INLETC 	INLETD 	SS 	VC_ENG 
ECANT 	EDG 	24SSP 	IFADN
IFALT 	IFAUP	IFRDN	IFRT 
IFRUP	EIFADN 	EIFALT 	EIFAUP
EIFRDN	EIFRLT 	EIFRRT 	EIFRT
EIFRUP	LEDELT 	LEDEID 	LEDEIU 
LEDE2D 	LEDE2U 	LEDPLT 	LEDPID 
LEDPIU 	LEDP2D 	LEDP2U 	IFIP 

IF2P 	IF3P 	2FIP	2F2P 
NCS	RT 	LT 	THRU 
PED 	LML	STP	IF 
E3FLTO 	E3FOP 	E3FRTO 	E4FLTO 
E4FRTO 	E5FLTO 	E5FRTO 	3FLTOP 
3FO 	3FRTOP 	4FLTOP 	4FRTOP 
5FLTOP 	5FRTOP 	3F 	3FRT 
4FLT 	4FRT 	5FLT 	5FRT 

3FLT 	IFRRT 	EIF 	E3FRT 
E3F 	E3FLT 	E4FLT 	E4FRT 
E5FLT 	E5FRT 	STUBP 	EUTILP 
CRTA	CRTD	CRTC	DH 
EDH 	HH 	EHH 	EPEDPU 
PEDPU 	HEADR 	HEADA 	HEAD4
HEADO 	PEDHD 	EPEDHD 	FCAB 
CABGA 	CABMM 	CABPP 	CABRR 

EPEDST 	EFCAB 	ECABGA 	ECABMM 
ECABPP 	ECABRR 	ECABUT 	VIDEO 
EVIDEO 	DISCO 	EDISCO 	TREE 
NORTH	ARCLT	ARCRT	ARLT 
ARRT 	ARTHR	ONLY	SCHOOL
RR	XING 	EARCLT	EARCRT 
EARLT 	EARRT 	EARTHR	EONLY
ESCHOO	ERR	EXING 	DG 

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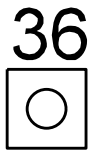

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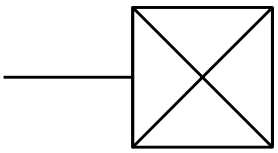

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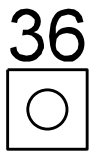

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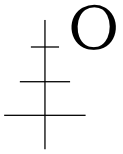

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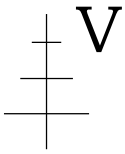

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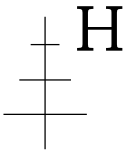

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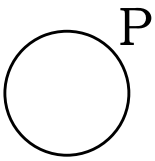

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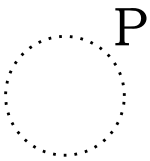

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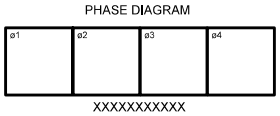

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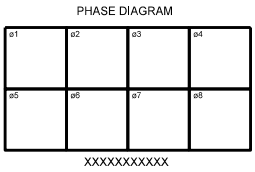


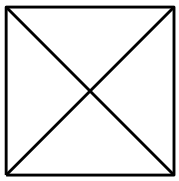
MAG

MLOOP

EMAG

EMLOOP

ROW



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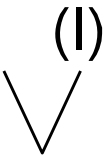

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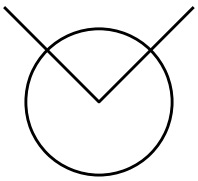

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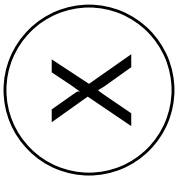
4LOOPCIR

3LOOPCIR

LOOPCIR



E4LOOPCIR

E3LOOPCIR

ELOOPCIR

TAGTAB

LOOP TAGGING TABLE

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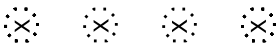
4LOOPOCT

E4LOOPOCT



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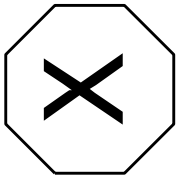
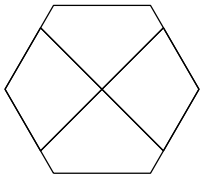
ELOOPOCT

LOOPOCT 	PEDST 		

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STUB STUB POLE	WP45 45' CLASS II WOOD POLE WITH DOWN GUYS & ANCHOR	SSP30 30' STEEL STRAIN POLE & FOUNDATION	SSP36 36' STEEL STRAIN POLE & FOUNDATION
EUTILP EX. UTILITY POLE	EWP EX. WOOD POLE WITH DOWN GUYS & ANCHOR	ESSP30 EX. 30' STEEL STRAIN POLE & FOUNDATION	ESSP36 EX. 36' STEEL STRAIN POLE & FOUNDATION
ECANT EX. SIGNAL CANTILEVER STRUCTURE & FOUNDATION	VIDEO VIDEO CAMERA	DISCON DISCONNECT HANGER	DETECT SIGNAL DETECTOR HOUSING
HAND SIGNAL HANDHOLE	OCT30 OCTAGONAL LOOP, 4 TURN SERIES	EVIDEO EX. VIDEO CAMERA	EDISCO EX. DISCONNECT HANGER
EDTEC EX. SIGNAL DETECTOR HOUSING	EHANDH EX. SIGNAL HANDHOLE	EOCTL EX. OCTAGONAL LOOP, 4 TURN SERIES	IFA TRAFFIC SIGNAL HEAD, 1 FACE 12" AMBER
IFR TRAFFIC SIGNAL HEAD, 1 FACE 12" RED	3F TRAFFIC SIGNAL HEAD, 3 FACE, 12 " : RED, AMBER, GREEN	OP3F TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, AMBER, GREEN	PED18 PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOLS, 18"
PUSH P PEDESTRIAN PUSH BUTTON & SIGN	EIFA EX. TRAFFIC SIGNAL HEAD, 1 FACE 12" AMBER	E3F EX. TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, AMBER, GREEN	EOP3F EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, AMBER, GREEN
EPED EX. PEDESTRIAN SIGNAL HEAD	EPUSH EX. P EX. PEDESTRIAN PUSH BUTTON & SIGN	GSC2 2" GALVANIZED STEEL CONDUIT	CONCUR CONCRETE CURB

CURCUT CURB AND GUTTER	ROW RIGHT-OF-WAY	STP 24" STOP LINE	PAVEME PAVEMENT MESSAGE MARKINGS
ECTR2 EX. 2" CONDUIT	ECURB EX. CURB	ECAGTR EX. CURB AND GUTTER	EROW EX. RIGHT-OF-WAY
EST EX. 24" STOP LINE	EPAVE EX. PAVEMENT MESSAGE MARKINGS	CURBA CURB RAMP TYPE A	CURBC CURB RAMP TYPE C
CURBD CURB RAMP TYPE D	BRID BRIDLE	INT INTERCEPT	EXFIRE EX. FIRE HYDRANT
SIPED SIGNAL PEDESTAL ON "A" FOUNDATION	NEMA NEMA 2-CIRCUIT FLASHER AND CABINET	GCAB CONTROLLER AND "G" CABINET ON "A" FOUNDATION	MCAB TS2 CONTROLLER AND "M" CABINET MIN. 4 PHASE ON "M" FOUNDATION
PICAB TS2 CONTROLLER AND "P-1" CABINET MIN. 8 PHASE ON "P-1" FOUNDATION	ESIPED EX. SIGNAL PEDESTAL ON "A" FOUNDATION	EFLAS EX. FLASHER CONTROLLER AND CABINET	EXCAB EX. CONTROLLER AND "G" CABINET ON "A" FOUNDATION
EMCAB EX. CONTROLLER AND "M" CABINET ON "M" FOUNDATION	EPICAB EX. CONTROLLER AND "P-1" CABINET ON "P-1" FOUNDATION	ERRSCC EX. RAILROAD SIGNAL CONTROLLER CABINET	EUTIL EX. UTILITY CABINET
3FL TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, LT. AMBER ARROW, LT. GREEN ARROW	3FR TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, RT. AMBER ARROW, RT. GREEN ARROW	4FL TRAFFIC SIGNAL HEAD, 4 FACE, 12" : RED, AMBER, GREEN, LT. GREEN ARROW	4FR TRAFFIC SIGNAL HEAD, 4 FACE, 12" : RED, AMBER, GREEN, RT. GREEN ARROW

5FL TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW	**5FR** TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW	**OP3FL** TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, LT. AMBER ARROW, LT. GREEN ARROW	**OP3FR** TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, RT. AMBER ARROW, RT. GREEN ARROW
OP4FL TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, LT. GREEN ARROW	**OP4FR** TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, RT. GREEN ARROW	**OP5FL** TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW	**OP5FR** TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW
E3L EX. TRAFFIC SIGNAL HEAD, 3 FACE, "12" : RED, LT. AMBER ARROW, LT. GREEN ARROW	**E3R** EX. TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, RT. AMBER ARROW, RT. GREEN ARROW	**E4L** EX. TRAFFIC SIGNAL HEAD, 4 FACE, 12" : RED, AMBER, GREEN, LT. GREEN ARROW	**E4R** EX. TRAFFIC SIGNAL HEAD, 4 FACE, 12" : RED, AMBER, GREEN, RT. GREEN ARROW
E5L EX. TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW	**E5R** EX. TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW	**EOP3L** EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, LT. AMBER ARROW, LT. GREEN ARROW	**EOP3R** EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, RT. AMBER ARROW, RT. GREEN ARROW
EOP4L EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, LT. GREEN ARROW	**EOP4R** EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, RT. GREEN ARROW	**EOP5L** EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW	**EOP5R** EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW
EIFR EX. TRAFFIC SIGNAL HEAD, 1 FACE 12" RED	**MAG** MAGNETOMETER	**MICRO** MICROLOOP	**EMAG** EX. MAGNETOMETER
EMICRO EX. MICROLOOP	**ROWMKR** RIGHT OF WAY MARKER	**EPRLOOP** P PREFORMED LOOP	**PRLOOP** P EX. PREFORMED LOOP
RAS O RADIO ANTENNAE (SPHERICAL POLARIZATION)	**RAV** V RADIO ANTENNAE (VERTICAL POLARIZATION)	**RAH** H RADIO ANTENNAE (HORIZONTAL POLARIZATION)	**LEGEND** LEGEND

CANT SIGNAL CANTILEVER STRUCTURE & FOUNDATION	SSP24 24' STEEL STRAIN POLE & FOUNDATION		

BR_R2_1

R2-1
R2-1-B

BR_R3_2

R3-2a
R3-2c

BR_R4_1

R4-1
R4-1-B

BR_R5_1

R5-1-A
R5-1-B

BR_R6_1

R6-1 (R or L)

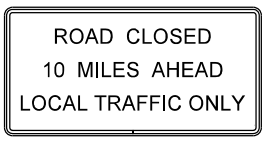
BR_R6_2

R6-2-A (R or L)

BR_RII_2

R11-2

BR_RII_3



R11-3

BR_RII_4

R11-4

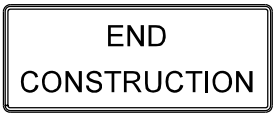
BR_RI2_1

R12-1
R12-1-A

BR_XG20_1

XG20-1

BR_XG20_2



XG20-2

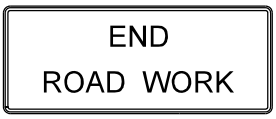
BR_XG20_4

XG20-4

BR_XG20_5

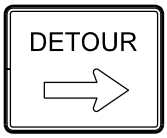
XG20-5

BR_XG202A



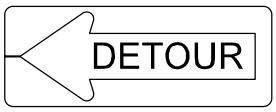
XG20-2a

BR_XM4_9



XM4-9 (R or L)
XM4-9-B (R or L)

BR_XM4_10



XM4-10 (R or L)

BR_XWI_1

XW1-1-A (R or L)
XW1-1-B (R or L)

BR_XWI_2

XW1-2-A (R or L)
XW1-2-B (R or L)

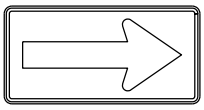
BR_XWI_3

XW1-3-A (R or L)
XW1-3-B (R or L)

BR_XWI_4

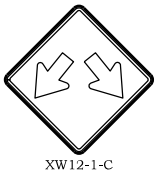
XW1-4-A (R or L)
XW1-4-B (R or L)

BR_XWI_6



XW1-6
XW1-6-A

BR_XWI2_1



XW12-1-C

BR_XWI3_1

XW13-1-A
To be used below a warning sign only.

BR_XW20_1

XW20-1
XW20-1-A

BR_XW20_2

XW20-2

BR_XW20_3

XW20-3

BR_XW20_4

XW20-4

BR_XW20_5

XW20-5 (R,L, or C)

BR_XW20_7

XW20-7

BR_XW21_1

XW21-1

BR_XW21_2

XW21-2
XW21-2-A

BR_XW21_3

XW21-3-A

BR_XW21_4

XW21-4-A

BR_XW21_5

XW21-5-A

BR_XW21_6

XW21-6-A

BR_XW103

XW103-1

BR_XW104

XW104-1
To be used below an XW103-1 Sign only.

BR_XW105

XW105-1-A

BR_XW109

XW109-1

BR_XW201A

XW20-1a

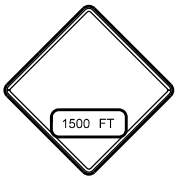
BR_XW1061

XW106-1-A

BR_XW1062

XW106-2-A

BR_1500FT



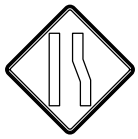
BR_VW8_2

XW8-2-A
XW8-2-B

BR_XW3_3A

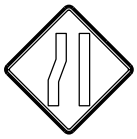
XW3-3a-B

BR_XW4_2



XW4-2 (R or L)
XW4-2-A (R or L)

BR_XW4_2A

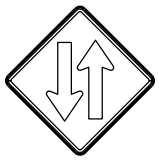


XW4-2 (R or L)
XW4-2-A (R or L)

BR_XW6_2A

XW6-2a-A
XW6-2a-B

BR_XW6_3



XW6-3-B

BR_XW8_1

XW8-1-A
XW8-1-B

BR_XW8_3

XW8-3-A

BR_XW8_4

XW8-4-A
XW8-4-B

BR_XW8_6

XW8-6-A
XW8-6-B

BR_XW9_1

XW9-1-A (R or L)
XW9-1-B (R or L)

BR_XW9_2

XW9-2-A (R or L)

SN_LML

R3-7L
XX

SN_NCS

W08-12
XX

SN_SS

W03-3b
XX

SN_STP

R1-1b
XX

SG_CL

W01-2Lb
XX

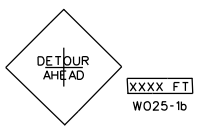
SG_CLO

R3-9b or R3-9d
XX

SG_CR

W01-2Rb
XX

SG_DA



W020-2
XX

SG_DDA

W012-1

XX

SG_DEN

W06-2b

XX

SG_DH

W06-1b

XX

SG_DHE

W06-2b

XX

SG_DHW

W06-1b

XX

SG_DNE

R5-1

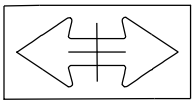
XX

SG_DNP

R4-1b

XX

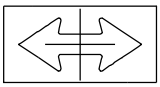
SG_HA2



W01-7a

XX

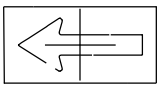
SG_HAD



W01-7

XX

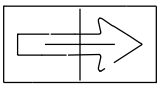
SG_HAL



W01-6

XX

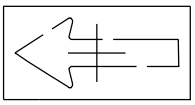
SG_HAR



W01-6

XX

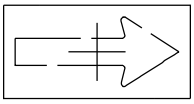
SG_HRL



W01-6a

XX

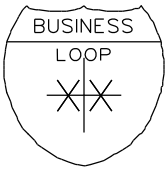
SG_HRR



W01-6a

XX

SG_IBL



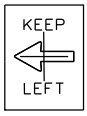
SG_INT

SG_KL

R4-17La

XX

SG_KLA



R4-7Lb

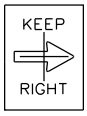
XX

SG_KR

R4-17Ra

XX

SG_KRA



R4-7Rb

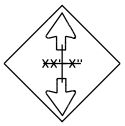
XX

SG_LC

W012-2x

XX

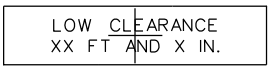
SG_LCS



W012-2a

XX

SG_LCX



W012-3a,b

XX

SG_LE

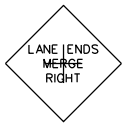
W09-1R

XX

LEFT
OR
CENTER

W025-3c

SG_LEM



W09-2Ra

XX

LEFT

W025-3b

SG_LG

W08-7a

XX

SG_LML

R3-7L

XX

SG_LS

W08-9

XX

SG_ML

W04-1Lb

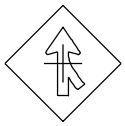
XX

SG_MPH

W013-1a

XX

SG_MR



W04-1Rb

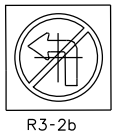
XX

SG_NCS

W08-12

XX

SG_NLT



R3-2b

XX

SG_NRT

R3-1b

XX

SG_NT

R3-3a

XX

SG_NUT

R3-4

XX

SG_OLA

XXXX FT
W025-1a

W020-4a

XX

SG_OLB

W05-3a

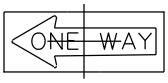
XX

SG_OT

W020-9c

XX

SG_OWL



R6-1La

XX

SG_OWR

R6-1Ra

XX

SG_PE

W08-3

XX

SG_PWC

R4-2b

XX

SG_PWL

W4-2R or W4-2Ra

XX

SG_PWR

W4-2L or W4-2La

XX

SG_RC

R11-2

XX

SG_RCA

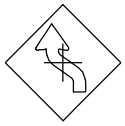
XXXX FT
W025-1c

W020-3

XX

SG_RCL

SG_RCLT



W01-4Lb

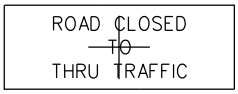
XX

SG_RCR

W01-4Rb

XX

SG_RCT



R11-4

XX

SG_RDL

W01-4Lb2

XX

SG_RDR

W01-4Rb2

XX

SG_RLC

LEFT
OR
CENTER
W025-3c

W020-6a

XX

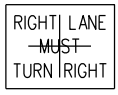
SG_RLCA

LEFT
OR
CENTER
W025-3d

W020-5

XX

SG_RMR



R3-7R

XX

SG_RN

W05-1a

XX

SG_RR

W10-1a

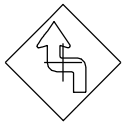
XX

SG_RSA

R2-5b

XX

SG_RTL



W01-3Lb

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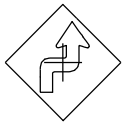

W01-3Rb

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RAMP
OR
BRIDGE
W025-6

W020-1

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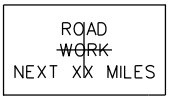
SG_RWX



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W03-1b

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SG_SB

W021-7

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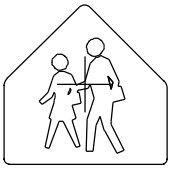

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R2-1b

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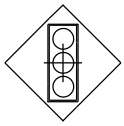
SG_SS



W03-3b

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SG_SSH

W08-4b

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SG_STP

R1-1b

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SG_SWA

W021-5b

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SG_SWW

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SG_TE

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W08-6c

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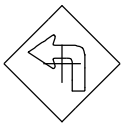

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W022-2

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SG_TOT

R12-3b

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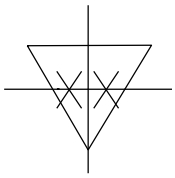

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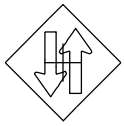

W06-3b

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SG_TWX

W06-3x

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SG_UPL

W08-9La

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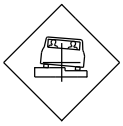
SG_UPR



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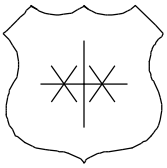

SG_WFL

S4-4a

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SG_WW

R5-1a

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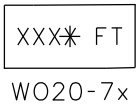
SG_XXF



W020-7x

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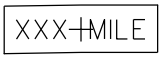

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SG_XXX

W025-3d

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SG_YA

W03-2b

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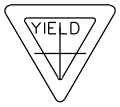

R1-2a

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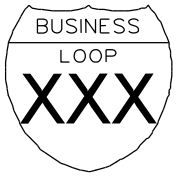

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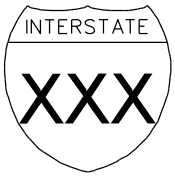

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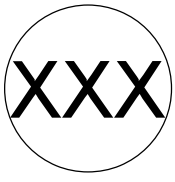

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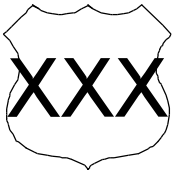

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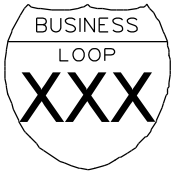

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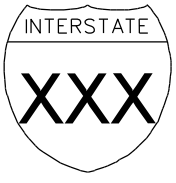
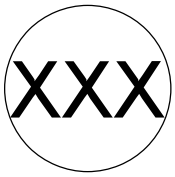
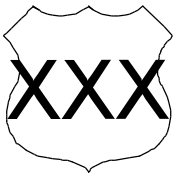


DS_STHWY_M 	DS_USHWY_M 		

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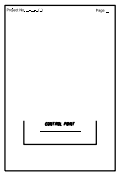
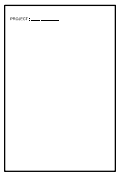
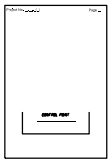
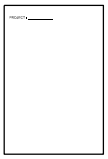
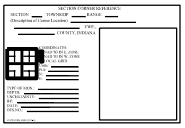
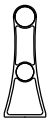
SV_CONTROLPT_E 	SV_DETAIL_E 	SV_CONTROLPT_M 	SV_DETAIL_M 
SV_REFPTBOX_MET	SV_REFPTBOX_IMP	Sec Cor Ref_IMP 	Sec Cor Ref_MET

BR_33WI41

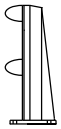
33 WF 141

BR_AL3



Aluminum Railing
Type 3

BR_AL5

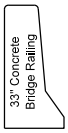


Aluminum
Type 5

BR_AL6

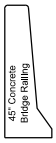
Aluminum
Type 6

BR_CONCRI



Area = 2.5841 ft²
Perimeter = 7.6592 ft

BR_CONCRL

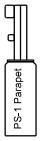


Area = 3.2959 ft²
Perimeter = 9.5792 ft

BR_GRAIL

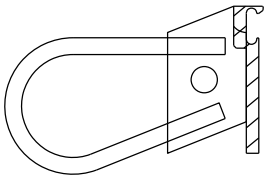
W-Beam Guardrail Section

BR_PSI



Area = 1.6597 ft²
Perimeter = 5.5690 ft

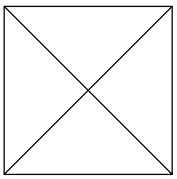
BR_SSJT



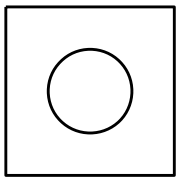
BR_TGBI

BR_TGBPLN

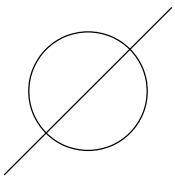
EA_ECAB2C



EA_ESSP

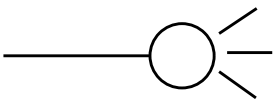


EA_EUTILP



NORTH

EA_SPLUM



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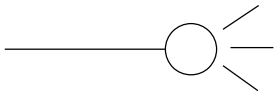

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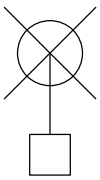
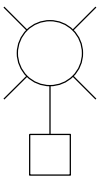


LG_BB4III



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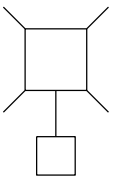

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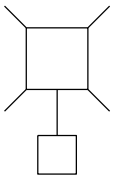

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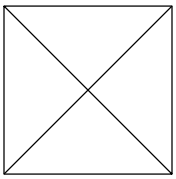
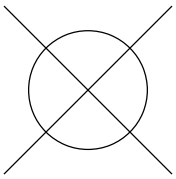


LG_CO4II



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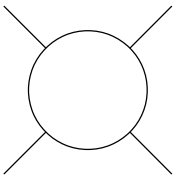

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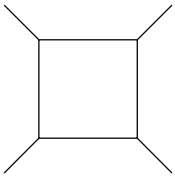

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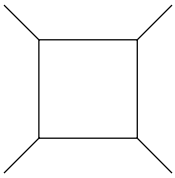

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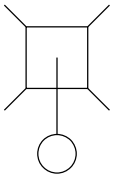

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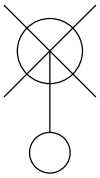

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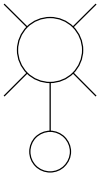

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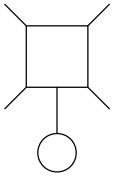

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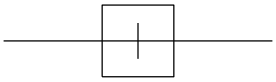

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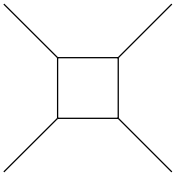
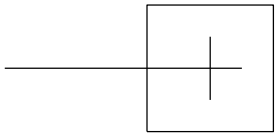
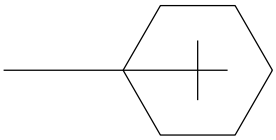
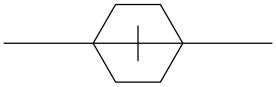
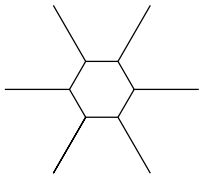
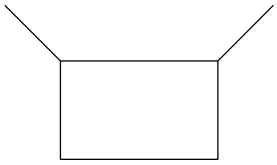
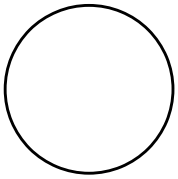
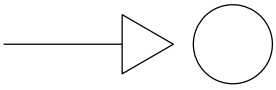
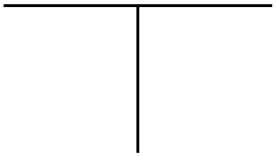
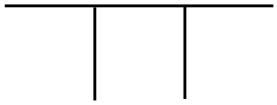
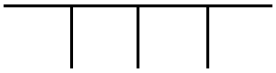
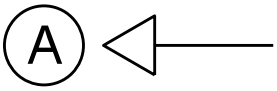
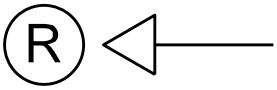
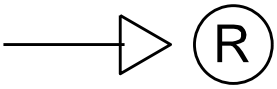
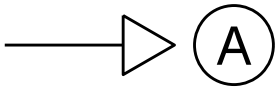
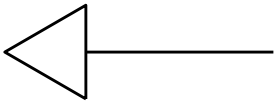
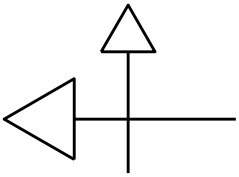
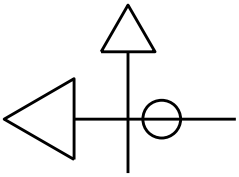
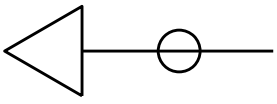
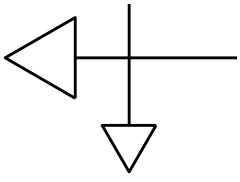
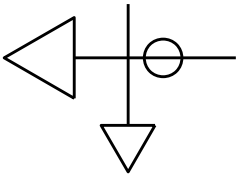


LG_TOW4 	LG_TOW6 	LG_TOW180 	LG_TOW360 
LG_UP150 	DS_CIRC_E 	SEAL_E	SEAL2_E
SEAL_M	SEAL2_M	SN_IF 	SN_IFIP 
SN_IF2P 	SN_IF3P 	SN_IFADN	SN_IFALT 
SN_IFAUP	SN_IFRDN	SN_IFRLT 	SN_IFRRT 
SN_IFRT 	SN_IFRUP	SN_2FIP	SN_2F2P
SN_3F 	SN_3FLT 	SN_3FLTOP 	SN_3FO 
SN_3FRT 	SN_3FRTOP 	SN_3LOOPCIR	SN_3LOOPOCT

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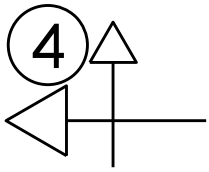

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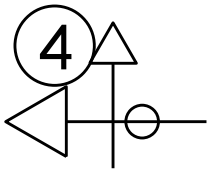

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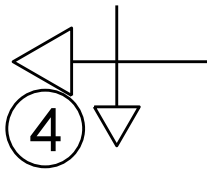

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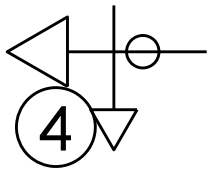
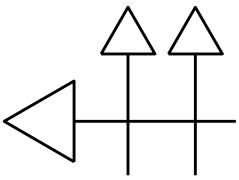


SN_4LOOPCIR

SN_4LOOPOCT

SN_5FLT



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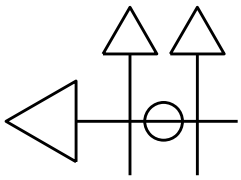

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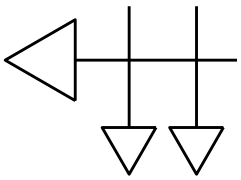

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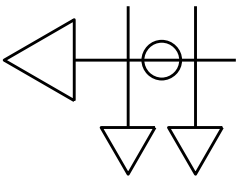

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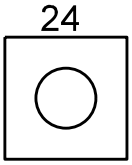

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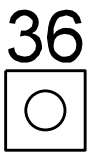

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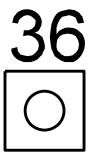

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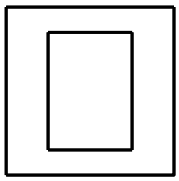

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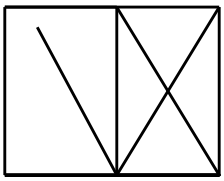

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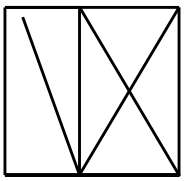

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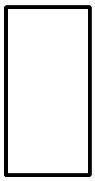

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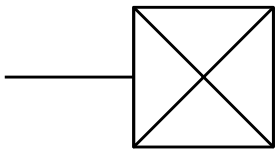

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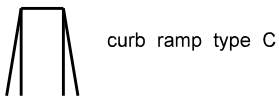
SN_CRTC



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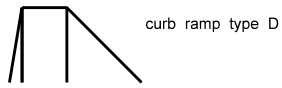

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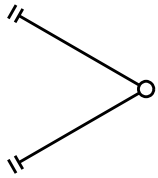

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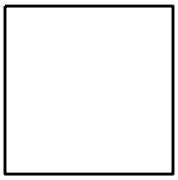

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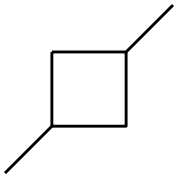

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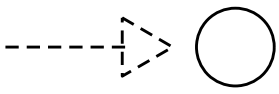

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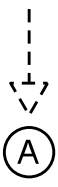

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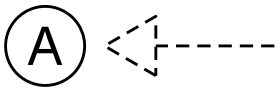

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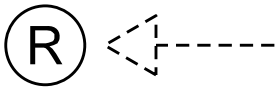

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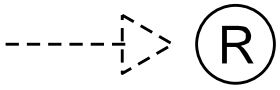

SN_EIFRT

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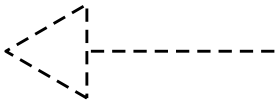

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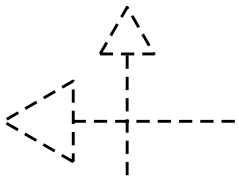

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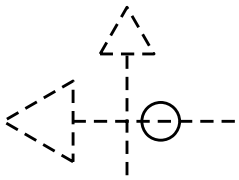

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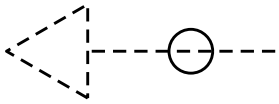

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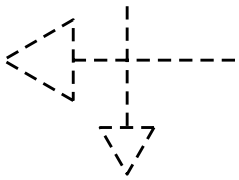

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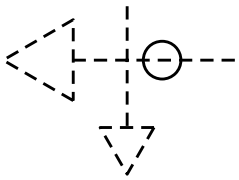
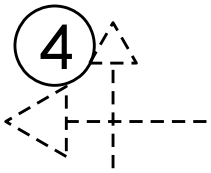


SN_E3LOOPCIR

SN_E3LOOPOCT

SN_E4FLT



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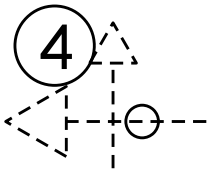

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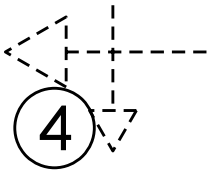

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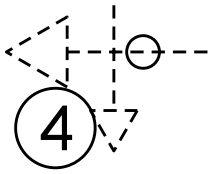
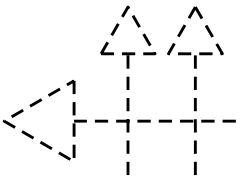


SN_E4LOOPCIR

SN_E4LOOPOCT

SN_E5FLT



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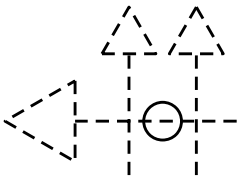

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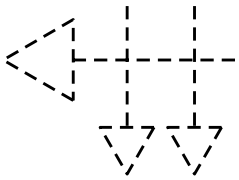

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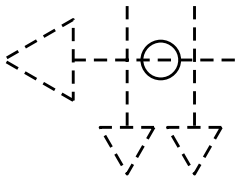

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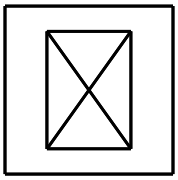

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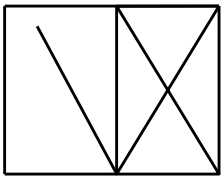

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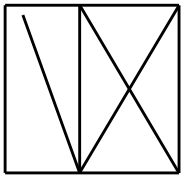

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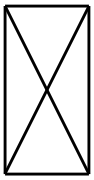

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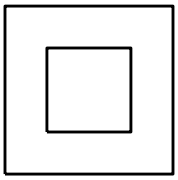

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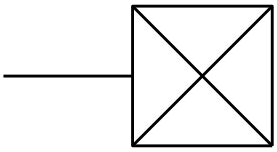

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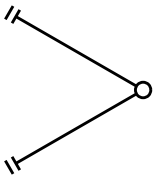

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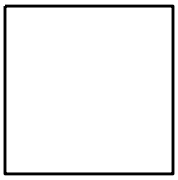

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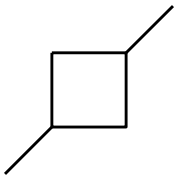

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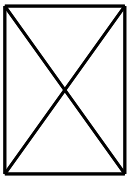
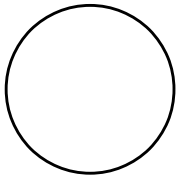
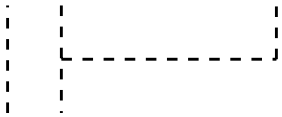
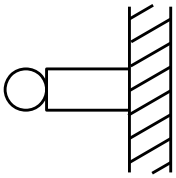
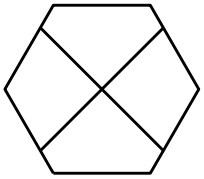
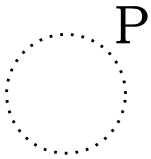
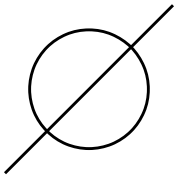
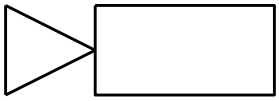
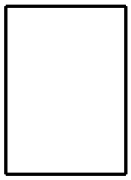
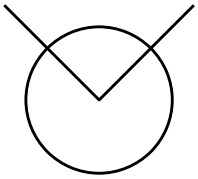
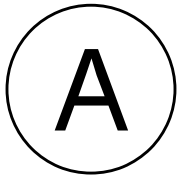
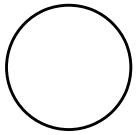
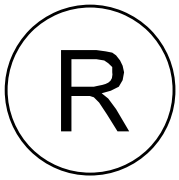
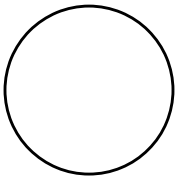
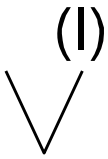
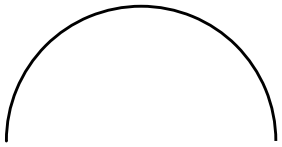
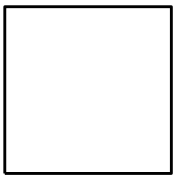
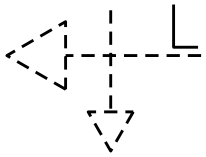
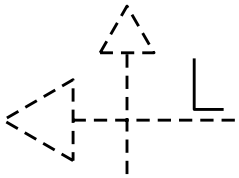
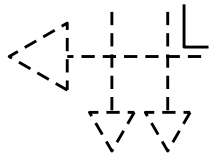
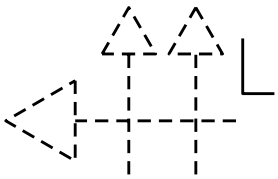
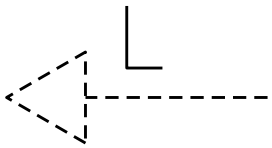
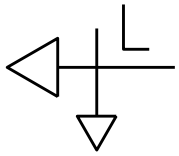
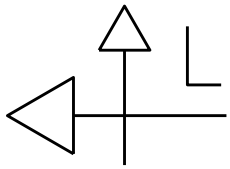
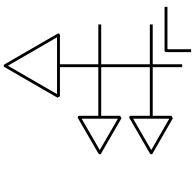
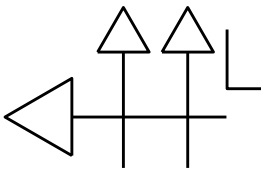
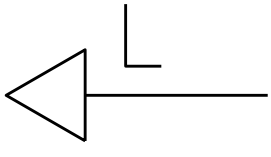
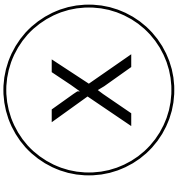
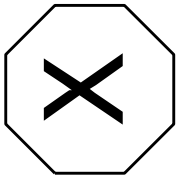
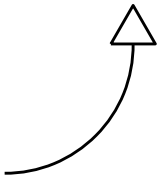
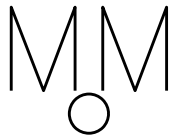
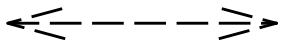
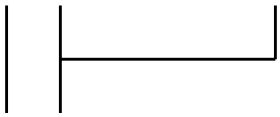
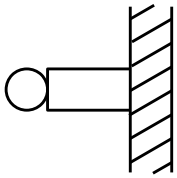
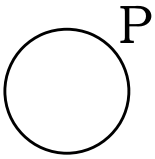
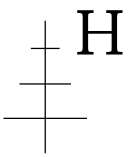
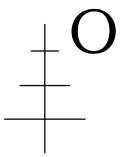
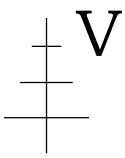
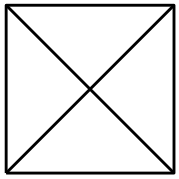
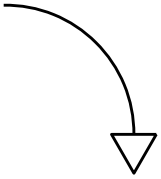
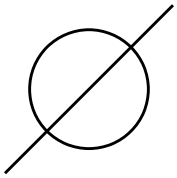
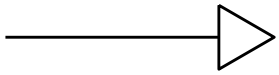
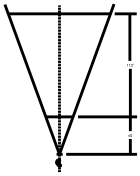
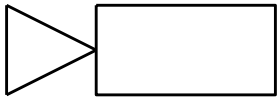
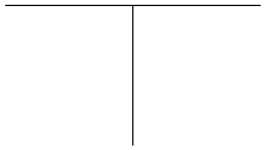
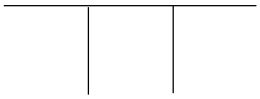
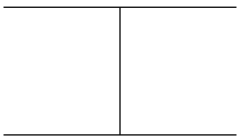
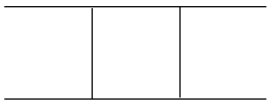
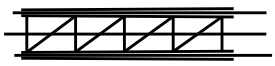
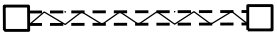
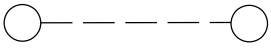
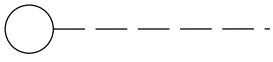
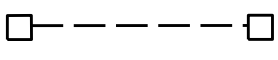
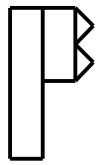
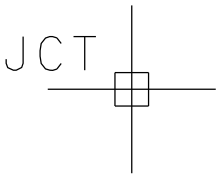
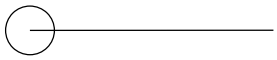
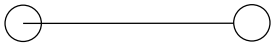
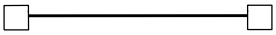
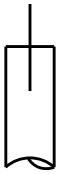
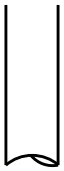
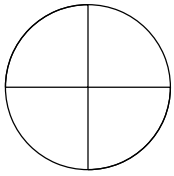
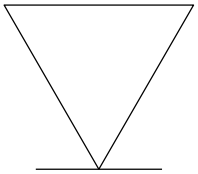
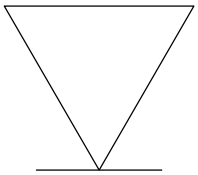
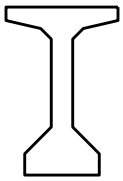
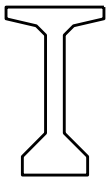
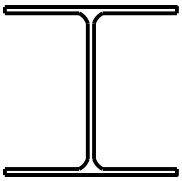


SN_EHH 	SN_ELOOPCIR	SN_ELOOPOCT	SN_EMAG
SN_EMLOOP	SN_EPEDHD 	SN_EPEDPU 	SN_EPEDST 
SN_EPLOOP 	SN_EUTILP 	SN_EVIDEO 	SN_FCAB 
SN_FIREHY 	SN_HEAD4	SN_HEADA 	SN_HEADO 
SN_HEADR 	SN_HH 	SN_INCEPT 	SN_INLETC 
SN_INLETD 	SN_LEDEID 	SN_LEDEIU 	SN_LEDE2D 
SN_LEDE2U 	SN_LEDELT 	SN_LEDPID 	SN_LEDPIU 
SN_LEDP2D 	SN_LEDP2U 	SN_LEDPLT 	SN_LOOPCIR 

SN_LOOPOCT 	SN_LT 	SN_MAG 	SN_MLOOP
SN_NCS	SN_PED 	SN_PEDHD 	SN_PEDPU 
SN_PLOOP 	SN_RAH 	SN_RAS 	SN_RAV 
SN_ROW 	SN_RT 	SN_STUBP 	SN_THRU 
SN_TREE	SN_VC_ENG 	SN_VIDEO 	SG_IFIP 
SG_IF2P 	SG_IF3P	SG_2FIP 	SG_2F2P 
SG_CANTUR	SG_CT 	SG_EBOX 	SG_ECABSP 
SG_ECANT 	SG_ECORD	SG_EMONO	SG_ETWTUB 

SG_GDRS 	SG_GUARD	SG_JCTB 	SG_OBJ3
SG_PBOX	SG_PCANT 	SG_PCASBS 	SG_PCORD
SG_PMONO	SG_PTWTUB 	SG_TYPEI 	SG_TYPEIV 
SG_TYPEV	SG_TYPEVI	DS_BLSYM 	DS_GWL24 
DS_GWLAC 	DS_ASHT05_E 	DS_ASHT06_E 	DS_HP310X79_E 
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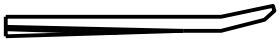
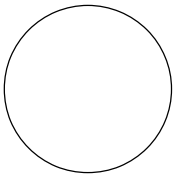
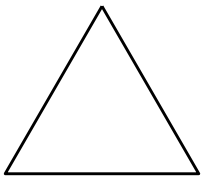
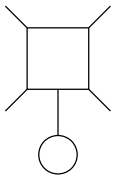
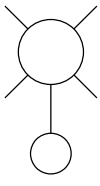
DS_WBC_E 	DS_WGBLT_E	DS_WGBRT_E	SV_FBCIRC_E 
SV_REFBOXARROW_E	SV_SECMAR_E 	LG_NB2III 	LG_NB4III-2 

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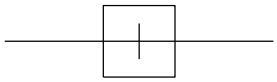

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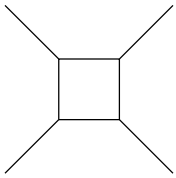

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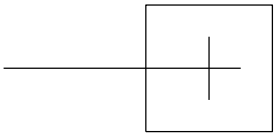

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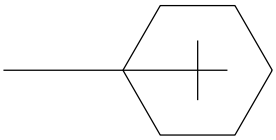

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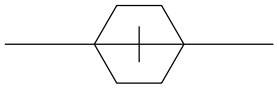

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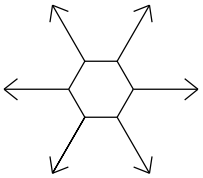

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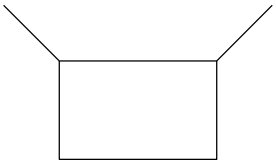
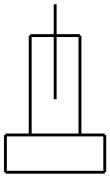


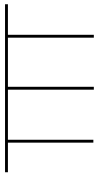
SG_Box Truss

SG_Box Truss Foundation

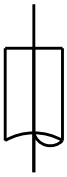


SG_Box Truss Pole

SG_Bridge Bracket Symbol

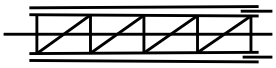


SG_Cantilever Foundation



SG_Cantilever Pole

SG_Double Arm Cantilever Truss



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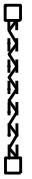
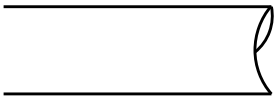


SG_ECABSP-2

SG_ECANT-2

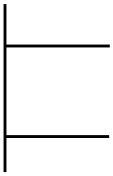
SG_ETCORD

SG_GM Panel Foundation 30"

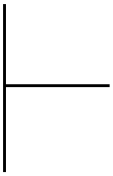


SG_GM Panel Foundation 24"

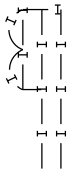
SG_Ground Mount Panel Sign Symbol



SG_Ground Mount Sheet Sign Symbol



SG_Guardrail



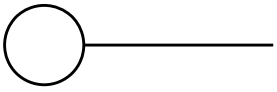
SG_PBOX-2

SG_PCABSP

SG_PCANT-2

SG_PTCORD

SG_Sign Cantilever Symbol



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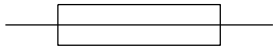
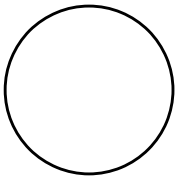
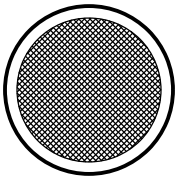


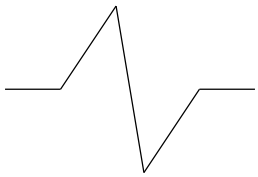
DS_CIRC_E_FILL



MOT Barrels



ST_PROPLINE

ST_CENTERLINE	ST_FLOWLINE	ST_BOUNDLINE	RE_BREAK 
ST_TERMAREA			

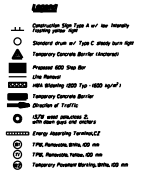
Cell Library: IN_TablesLegendsNotes.cel

BR_GENPLN

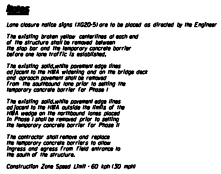
GENERAL PLAN

CONTINUOUS PRESTRESSED CONCRETE I BEAM BRIDGE
3 SPANS@22250,22479,22250= SKEW 10 LT.
13400 CLEAR ROADWAY OVER BIG GRAHAM CREEK
ON SR 7 IN JENNINGS COUNTY

BR_MOTLGN



BR_NOTES



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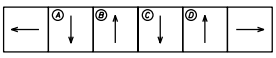

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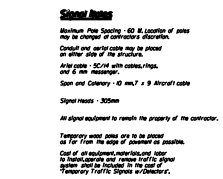

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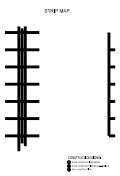

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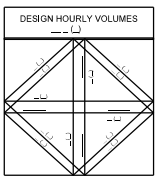


SV_LEGEND

DS_BRSQ

DS_GRAILSUM

DS_MAILAPP

MAILBOX APPROACHES

LT.,RT.	℄ BOX STATION	DESCRIPTION	WIDTH W. IN.	ASSEMBLY REQ'D SINGLE	ASSEMBLY REQ'D DOUBLE
		TOTAL			

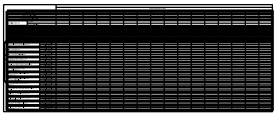
DS_PMATLGD

LEGEND

RCP -	REINFORCED CONCRETE PIPE
PCHEP -	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE
PE-	POLYETHYLENE
DR-	DIMENSION RATIO
PVC -	POLYVINYL CHLORIDE
BIT-	BITUMINOUS
CORR-	CORRUGATION
BPI-	BITUMINOUS PAVED INVERT
ALUM-	ALUMINUM
STR-	STRUCTURAL
CPR-	CONCRETE FIELD PAVING
(S)-	SMOOTH PIPE MATERIAL
(C)-	CORRUGATED PIPE MATERIAL
CW-	LOCK SEAM PIPE REQUIRED
(LS)-	TABULATED THICKNESS
*-	REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF GREATER AVAILABLE THICKNESS.

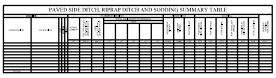
DS_PMATTBLI

DS_PMATTBL2

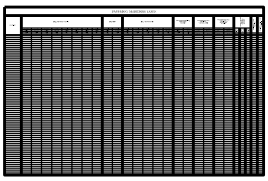


DS_PQATBL

DS_PSDRRD



DS_PVMTTBL



DS_RDIND

INDEX

SHEET NO.	DRAWINGS INDEX
#####	TITLE SHEET
#####	INDEX OF SHEETS - INDEX
#####	#####

DS_RDSR

REVISIONS

DATE	ITEM

DS_RWIND

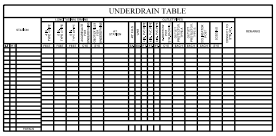
R/W INDEX

PARCEL NO.	TYPE	SIGN AND SHOP	DATE	STATUS
???-??-????	????????????	????????????	????????????	?????

SHEET NO.	SUBJECT
#####	TITLE SHEET/INDEX SHEET
#####	#####
#####	LOCATION
#####	#####

DS_STRDATA

DS_UDTBL



SN_PHASE4

PHASE DIAGRAM

ø1	ø2	ø3	ø4

XXXXXXXXXXX

SN_PHASE8

PHASE DIAGRAM

ø1	ø2	ø3	ø4
ø5	ø6	ø7	ø8

XXXXXXXXXXX

SN_TAGTAB

LOOP TAGGING TABLE

LANE	TAG - NUMBER
XXXXXXX	XXXXXXXXXXX

SN_IFA

TRAFFIC SIGNAL HEAD, 1 FACE 12" AMBER

SN_IFR

TRAFFIC SIGNAL HEAD, 1 FACE 12" RED

SN_3F

TRAFFIC SIGNAL HEAD, 3 FACE, 12 " :
RED, AMBER, GREEN

SN_3FL

TRAFFIC SIGNAL HEAD, 3 FACE, 12" :
RED, LT. AMBER ARROW, LT. GREEN ARROW

SN_3FR

TRAFFIC SIGNAL HEAD, 3 FACE, 12" :
RED, RT. AMBER ARROW, RT. GREEN ARROW

SN_4FL

TRAFFIC SIGNAL HEAD, 4 FACE, 12" :
RED, AMBER, GREEN, LT. GREEN ARROW

SN_4FR

TRAFFIC SIGNAL HEAD, 4 FACE, 12" :
RED, AMBER, GREEN, RT. GREEN ARROW

SN_5FL TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW	SN_5FR TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW	SN_BRID B BRIDLE	SN_CONCUR CONCRETE CURB
SN_CURBA CURB RAMP TYPE A	SN_CURBC CURB RAMP TYPE C	SN_CURBD CURB RAMP TYPE D	SN_CURCUT CURB AND GUTTER
SN_DETECT SIGNAL DETECTOR HOUSING	SN_DISCON DISCONNECT HANGER	SN_EIFA EX. TRAFFIC SIGNAL HEAD, 1 FACE 12" AMBER	SN_EIFR EX. TRAFFIC SIGNAL HEAD, 1 FACE 12" RED
SN_E3F EX. TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, AMBER, GREEN	SN_E3L EX. TRAFFIC SIGNAL HEAD, 3 FACE, "12" : RED, LT. AMBER ARROW, LT. GREEN ARROW	SN_E3R EX. TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, RT. AMBER ARROW, RT. GREEN ARROW	SN_E4L EX. TRAFFIC SIGNAL HEAD, 4 FACE, 12" : RED, AMBER, GREEN, LT. GREEN ARROW
SN_E4R EX. TRAFFIC SIGNAL HEAD, 4 FACE, 12" : RED, AMBER, GREEN, RT. GREEN ARROW	SN_E5L EX. TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW	SN_E5R EX. TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW	SN_ECAGTR EX. CURB AND GUTTER
SN_ECANT EX. SIGNAL CANTILEVER STRUCTURE & FOUNDATION	SN_ECTR2 EX. 2" CONDUIT	SN_ECURB EX. CURB	SN_EDISCO EX. DISCONNECT HANGER
SN_EDTEC EX. SIGNAL DETECTOR HOUSING	SN_EFLAS EX. FLASHER CONTROLLER AND CABINET	SN_EHANDH EX. SIGNAL HANDHOLE	SN_EMAG MM EX. MAGNETOMETER
SN_EMCAB EX. CONTROLLER AND "M" CABINET ON "M" FOUNDATION	SN_EMICRO ML EX. MICROLOOP	SN_EOCTL EX. OCTAGONAL LOOP, 4 TURN SERIES	SN_EOP3F EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, AMBER, GREEN

SN_EOP3L EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, LT. AMBER ARROW, LT. GREEN ARROW	SN_EOP4L EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, LT. GREEN ARROW	SN_EOP4R EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, RT. GREEN ARROW	SN_EOP5L EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW
SN_EOP5R EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW	SN_EPICAB EX. CONTROLLER AND "P-1" CABINET ON "P-1" FOUNDATION	SN_EPAVE EX. PAVEMENT MESSAGE MARKINGS	SN_EPED EX. PEDESTRIAN SIGNAL HEAD
SN_EPRLOOP P PREFORMED LOOP	SN_EPUSH EX. P EX. PEDESTRIAN PUSH BUTTON & SIGN	SN_EROW EX. RIGHT-OF-WAY	SN_ERRSCC EX. RAILROAD SIGNAL CONTROLLER CABINET
SN_ESIPED EX. SIGNAL PEDESTAL ON "A" FOUNDATION	SN_ESSP30 30 EX. 30' STEEL STRAIN POLE & FOUNDATION	SN_ESSP36 36 EX. 36' STEEL STRAIN POLE & FOUNDATION	SN_EST EX. 24" STOP LINE
SN_EUTIL EX. UTILITY CABINET	SN_EUTILP EX. UTILITY POLE	SN_EVIDEO EX. VIDEO CAMERA	SN_EWP EX. WOOD POLE WITH DOWN GUYS & ANCHOR
SN_EXCAB EX. CONTROLLER AND "G" CABINET ON "A" FOUNDATION	SN_EXFIRE EX. FIRE HYDRANT	SN_GCAB CONTROLLER AND "G" CABINET ON "A" FOUNDATION	SN_GSC2 2" GALVANIZED STEEL CONDUIT
SN_HAND SIGNAL HANDHOLE	SN_INT (I) INTERCEPT	SN_LEGEND LEGEND	SN_MAG MM MAGNETOMETER
SN_MCAB TS2 CONTROLLER AND "M" CABINET MIN. 4 PHASE ON "M" FOUNDATION	SN_MICRO ML MICROLOOP	SN_NEMA NEMA 2-CIRCUIT FLASHER AND CABINET	SN_OP3F TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, AMBER, GREEN

SN_OP3FL

TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, LT. AMBER ARROW, LT. GREEN ARROW

SN_OP3FR

TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, RT. AMBER ARROW, RT. GREEN ARROW

SN_OP4FL

TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, LT. GREEN ARROW

SN_OP4FR

TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, RT. GREEN ARROW

SN_OP5FL

TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW

SN_OP5FR

TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW

SN_PICAB

TS2 CONTROLLER AND "P-1" CABINET MIN. 8 PHASE ON "P-1" FOUNDATION

SN_PAVEME

PAVEMENT MESSAGE MARKINGS

SN_PEDI8

PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOLS, 18"

SN_PRLOOP

P EX. PREFORMED LOOP

SN_PUSH

P PEDESTRIAN PUSH BUTTON & SIGN

SN_RAH

RADIO ANTENNAE (HORIZONTAL POLARIZATION)

SN_RAS

RADIO ANTENNAE (SPHERICAL POLARIZATION)

SN_RAV

RADIO ANTENNAE (VERTICAL POLARIZATION)

SN_ROW

RIGHT-OF-WAY

SN_ROWMKR

RIGHT OF WAY MARKER

SN_SIPED

SIGNAL PEDESTAL ON "A" FOUNDATION

SN_SSP30

30 30' STEEL STRAIN POLE & FOUNDATION

SN_SSP36

36 36' STEEL STRAIN POLE & FOUNDATION

SN_STP

24" STOP LINE

SN_STUB

STUB POLE

SN_VIDEO

VIDEO CAMERA

SN_WP45

45' CLASS II WOOD POLE WITH DOWN GUYS & ANCHOR

DS_BLT

BORING LOG

SCALE 1"=????

DS_BLTHI

TEST BORING	TB - ?
STATION	??+???
OFFSET	???.? ' ?t. Line "?"
ELEVATION	???.? '

Sample No.	Elev.	N	Elev.	Description

DS_BLTH2

TB - ?				
??+???				
???.? ' ?t. Line "?"				
???.? '				
Sample No.	Elev.	N	Elev.	Description

DS_BPT

BORING PLAN

SCALE 1"=????

DS_PLT

Pile Loading for Piles Driven to Bedrock

BENT	No. 1	No. 2
ALLOWABLE DESIGN LOAD (kN)	???	???
FACTOR OF SAFETY	???	???
FACTORED DESIGN LOAD (kN)	???	???
SOUR ZONE FRICTION	N/A	N/A
DOWN DRAG FRICTION	N/A	N/A
ULTIMATE LOAD (BEARING) (kN)	???	???
TESTING METHOD	by Formula, Standard Specifications 701.06	

DS_STDNTS

NOTE:
Sample elevations shown indicate the bottom of each 13"sample and top elevation shown for change of strata.

N-Indicates the number of blows required to drive a 1 3/8" I.D.,
2" O.D. Split-Spoon Sampler 6" by means of a 140 lb.
weight falling 30".

▽ Indicates ground water level at completion.

▽ Indicates ground water level after 24 hours.

DS_DDATA

DESIGN DATA

Prestressing steel shall be ½"Ø special low-relaxation strand (As = 0.167 sq.in.) with a minimum tensile strength of 270,000 psi.

Initial tension per strand to be 33,848 lbs.

Concrete Design Strength to be 5000 psi @ 28 days.

Concrete Design Strength to be 4000 psi before prestressing force is applied.

fy = 60,000 psi for Reinforcing Steel in beams.

DS_DEDATA

DESIGN DATA

Designed for HS20-44 loading in accordance with the AASHTO Specifications and subsequent interim AASHTO Specifications.

Designed in accordance with the AASHTO "Guide Specifications for Seismic Design of Highway Bridges" using Seismic Performance Category "?" and 0.? acceleration coefficient.

DS_GBNOTE

GENERAL BEAM NOTES

Beams shall be cast a minimum of 45 days before any deck is placed.

Beams are to be supported at bearing points while stored and while transporting to job site.

Top of beams are to be stored transversely at about 3' centers with spread rail.

For Type ?? Bearing Pads, see ETDT-BEBP-?.
For tolerances of Prestressed Beams, see ETDT-BPBF-?.
For reinforcing bar notes, see ETDT-.
Reinforcing bars designated "E" shall be epoxy coated.

DS_GNOTE1

GENERAL NOTES

Reinforcing steel covering to be 2½ inches in top and 1 inch min.in bottom of floor slabs and 2 inches in all other parts, unless noted.

DS_GNOTE2

GENERAL NOTES

Reinforcing steel covering to be 2½ inches in top and 1 inch min.in bottom of floor slabs.3 inches in footings except bottom steel to be 4 inches,and 2 inches in all other parts,unless noted.

DS_SSNOTE

NOTES:

PVC Duct Drains are only required at the low side of superelevation.

Railing on low side of superelevation shall be cast vertically.

Railing on high side of superelevation shall be cast perpendicular to the bridge deck slope,including the railing transitions.The rear face of the railing shall be vertical. See details ET05-BCBR-03

DS_STNOTE

DS_SUBD

DESIGN DATA

Design Strengths for Load Factor Design
fy = 60,000 psi f'c = 4000 psi

LIVE LOAD: Designed for HS20-44 loading in accordance with 1996 AASHTO Specifications and subsequent interim AASHTO Specifications.

DEAD LOAD: Increased 35 psf for future wearing surface.Slab designed with a ?? structural depth plus a ½" wearing surface.

DS_SUPSTR

NOTES:

Reinforcing bars designated "E" shall be epoxy coated.

For reinforcing bar notes,see ET03-BRST-01 Sht.

For additional details and Bill of Materials,see Sht.??

For PVC Duct Drain Details,see ET24-BJTS-01.

Longitudinal dimensions to be measured along the Long Chord.

Transverse dimensions to be measured along radius.

SV_AZ

Az=

SV_SCALE100

100' 50' 0' 100' 200' 300' 400'

SCALE: 1" = 100'

SV_SCALE200

200' 100' 0' 200' 400' 600' 800'

SCALE: 1" = 200'

SV_SCALE25

100 75 50 25 0 100 200 300

SCALE: 1 CENTIMETER = 25 METERS

SV_TWNCOUN

BLANK TOWNSHIP
WHERE EVER CO.

7 8

18 17

PLACE A SYMBOL WITH A NUMBER WHERE SECTION CORNER MONUMENTS HAVE BEEN FOUND AND LOCATED

DS_TBRID

TEMPORARY RUNAROUND NOTES

Paved Temporary Runaround Required.
See Sheet ?? for Profile Grade.
See Sht. Sht=ET03-TCTR-01 thru 04 for additional details.

Temporary Bridge shall be approximately ?? ft.in length with ?:1 Sideslopes and a ?? ft.minimum clear roadway width.It shall provide ??? #/L minimum uniformly applied load. Exp.???? USL.

Each corner of the Temporary Bridge shall have 50 Lf.of Temporary Guardrail.

DS_TPIPE

TEMPORARY RUNAROUND NOTES

Paved Temporary Runaround Required.
See Sheet ?? for Profile Grade.
See Sht.Sht=ET03-TCTR-01 thru 04 for additional details.

Temporary Pipe Structure Required
Opposite Station ??
Pipe to be ?? ft.minimum length,
Type opening Metal Sta.?? to to ??? skew degree,
Opening to be provided by one or more pipes.
Minimum pipe size to be ?? inches.
Pipes to be Type ?.
See the Special Provisions for minimum pipe thickness.
Minimum pipe cover to be 2 feet.
Fill in around to be approved granular material.
As an alternate Contractor may elect to use a Temporary Bridge.

DS_TS3030

QUANTITY SUMMARY FOR TEMPORARY RUNAROUND

DS_TS3040

QUANTITY SUMMARY FOR TEMPORARY RUNAROUND

DS_TS3050

EARTHWORK ESTIMATE FOR TEMPORARY
BRIDGE AND APPROACHES
Fill + 20% = ?1? m}
Cut = ??? m}
Cost of Earthwork to be included in the
cost of the Temporary Bridge and Approaches.

DS_TS3060

EARTHWORK ESTIMATE FOR TEMPORARY
PIPE AND APPROACHES
Fill + 20% = ?1? m}
Cut = ??? m}
Cost of Earthwork to be included in the
cost of the Temporary Pipe and Approaches.

LG_T04181

HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. LUMINAIRES ORIENTED IN THE DIRECTION OF ONE ARROW & 2 IN OPPOSITE DIRECTION

LG_T04361

HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. LUMINAIRES TO BE ORIENTED IN THE DIRECTION OF ARROWS (SYMMETRIC)

LG_T06181

HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. LUMINAIRES ORIENTED IN THE DIRECTION OF ONE ARROW & 3 IN OPPOSITE DIRECTION

LG_T06361

HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. LUMINAIRES TO BE ORIENTED IN THE DIRECTION OF ARROWS (SYMMETRIC)

LG_TOW5

HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. ALL LUMINAIRES ORIENTED IN THE SAME COMPASS DIRECTION (ASYMMETRIC)

LG_TOW7

HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. ALL LUMINAIRES ORIENTED IN THE SAME COMPASS DIRECTION (ASYMMETRIC)

LG_150UL

150 WATT H.P.S. UNDERPASS LUMINAIRE

LG_BT2II

250 WATT H.P.S. ROADWAY LUMINAIRE ON BEAKAWAY BASE (BREAKAWAY TRANSFORMER BASE, BREAKAWAY COUPLINGS) M-S-III

LG_BT4III

400 WATT H.P.S. ROADWAY LUMINAIRE ON BEAKAWAY BASE (BREAKAWAY TRANSFORMER BASE, BREAKAWAY COUPLINGS) M-S-III

LG_BT4MII

400 WATT H.P.S. ROADWAY LUMINAIRE ON BEAKAWAY BASE (BREAKAWAY TRANSFORMER BASE, BREAKAWAY COUPLINGS) M-S-II

LG_BT25II

250 WATT H.P.S. ROADWAY LUMINAIRE ON BEAKAWAY BASE (BREAKAWAY TRANSFORMER BASE, BREAKAWAY COUPLINGS) M-S-I

LG_BT40II

400 WATT H.P.S. ROADWAY LUMINAIRE ON BEAKAWAY BASE (BREAKAWAY TRANSFORMER BASE, BREAKAWAY COUPLINGS) M-S-II

LG_C20III

250 WATT ROADWAY LUMINAIRE HAVING OUTPUT CHARACTERISTICS EQUIVALENT TO M-S-III

LG_C25II

250 WATT ROADWAY LUMINAIRE HAVING OUTPUT CHARACTERISTICS EQUIVALENT TO M-S-II

LG_C40II

250 WATT ROADWAY LUMINAIRE HAVING OUTPUT CHARACTERISTICS EQUIVALENT TO M-S-III

LG_CABMAR CABLE MARKER: EXACT LOCATION AND ARROW DIRECTION TO BE DETERMINED AFTER CABLE DUCT INSTALLATION	LG_CO25II 250 WATT ROADWAY LUMINAIRE HAVING OUTPUT CHARACTERISTICS EQUIVALENT TO M-S-II	LG_NB2III 250 WATT H.P.S. ROADWAY LUNIMAIRE ON NON-BEAKAWAY BASE (ANCHOR BASE, STEEL TRANSFORMER BASE) M-S-III	LG_NB25II 250 WATT H.P.S. ROADWAY LUNIMAIRE ON NON-BEAKAWAY BASE (ANCHOR BASE, STEEL TRANSFORMER BASE) M-S-II
LG_NB40II 400 WATT H.P.S. ROADWAY LUNIMAIRE ON NON-BEAKAWAY BASE (ANCHOR BASE, STEEL TRANSFORMER BASE) M-S-II	LG_TO4I80 HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. 2 LUMINAIRES ORIENTIED IN THE DIRECTION OF ONE ARROW & 2 IN OPPOSITE DIRECTION	LG_TO4360 HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. LUMINAIRES TO BE ORIENTIED IN THE DIRECTION OF ARROWS (SYMMETIRC)	LG_TO6I80 HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. 3 LUMINAIRES ORIENTIED IN THE DIRECTION OF ONE ARROW & 3 IN OPPOSITE DIRECTION
LG_TO6360 HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. LUMINAIRES TO BE ORIENTIED IN THE DIRECTION OF ARROWS (SYMMETIRC)	LG_TOW4 HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. ALL LUMINAIRES ORIENTIED IN THE SAME COMPASS DIRECTION (ASYMMETRIC)	LG_TOW6 HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. ALL LUMINAIRES ORIENTIED IN THE SAME COMPASS DIRECTION (ASYMMETRIC)	DS_APDET 22222 APPROACH DETAILS
DS_APTBL 22222 APPROACH TABLE	DS_BDET 22222 BEAM DETAILS	DS_BEARDET 22222 BEARING ASSEMBLY DETAILS	DS_BENT2 22222 BENT NO. 2
DS_BENT3 22222 BENT NO. 3	DS_BENT4 22222 BENT NO. 4	DS_BENT14 22222 BENT NO. 1 AND BENT NO. 4 DETAILS	DS_BENT15 22222 BENT NO. 1 AND BENT NO. 5 DETAILS
DS_BRIND INDEX STRUCTURE / TYPE / SPAN AND BARR / OVER / STATION ??? ??? ???? ??????????? ???????????? ??????????? ???-?? SHEET NO. / SUBJECT 22222 INDEX AND TITLE SHEET 22222 BRIDGE SECTIONS	DS_BRINDBLNK 22222 ????????????????????????	DS_BRSR REVISIONS DATE / ITEM	DS_BRSUMIN 22222 BRIDGE SUMMARY
DS_CBRD 22222 CONCRETE BARRIER RAILING DETAILS	DS_CCL 22222 CHANNEL CHANGE LAYOUT	DS_CHANDET 22222 CHANNEL DETAIL	DS_CONDET 22222 CONSTRUCTION DETAILS
DS_CORDET 22222 CORNER DETAILS	DS_COTUD 22222 CODING OFFSETS AND TIE UP DIMENSIONS	DS_CRSSEC 22222 CROSS SECTIONS	DS_DRADET 22222 DRAINAGE DETAIL

DS_EROCONT

xxxxx EROSION CONTROL DETAIL

DS_EXPJNT

xxxxx EXPANSION JOINT DETAILS

DS_FHWA

FEDERAL HIGHWAY ADMINISTRATION
U.S. DEPT. OF TRANSPORTATION
APPROVED: _____
DATE
DIVISION ADMINISTRATOR

DS_FLRDET

xxxxx FLOOR DETAILS

DS_FRAPLN

xxxxx FRAMING PLAN

DS_GDRSUM

xxxxx GUARDRAIL SUMMARY TABLE

DS_GENPLN

xxxxx GENERAL PLAN

DS_GEODET

xxxxx GEOMETRIC DETAIL

DS_GEOTUP

xxxxx GEOMETRIC TIE-UP SHEET

DS_GN0009

All earth shoulders, median areas, and cut and fill areas shall be fertilized, mulched, seeded except where paving is specified.

DS_GN0012

The final cross sections of the grading work shall be the finished cross sections of the grading contract. However, earthwork quantities were based on the latest assumptions as agreed to by end of preparation quantities.

DS_GN0013

Permission to test, treat, or remove any historic or archeological artifacts encountered during construction must be obtained from the Director of the Division of Historic Preservation and Archeology.

DS_GN0014

Existing asphalt pavement located outside the construction limits, between Sta. xxx+xx and Sta. xxx+xx shall be removed as directed.

DS_GN0018

The quantity of steel reinforcement shown on the plans has been estimated on the basis of theoretical cross sections by using a minimum of xxx lbs. % (optional) as waste or shortage by the bidder, which shall not be used as a basis for extra payment.

DS_GN

GENERAL NOTES

DS_GRAPLN

xxxxx GRADING PLAN

DS_INDEX

INDEX

SHEET NO.	DRAWINGS INDEX

DS_INDRW

R/W INDEX

SHEET NO.	DESIGNATION

DS_INTDET

xxxxx INTERSECTION DETAIL

DS_JCKFRA

xxxxx JACKING FRAMES

DS_LATLONG

LATITUDE: ??^??'??" LONGITUDE: ??^??'??"

DS_LAYOUT

xxxxx LAYOUT

DS_LIGHTING

xxxxx LIGHTING

DS_MISCTBL

xxxxx MISCELLANEOUS TABLES

DS_PIER2

xxxxx PIER NO. 2

DS_PIER3

xxxxx PIER NO. 3

DS_PIER4

xxxxx PIER NO. 4

DS_PIPEMAT

xxxxx PIPE MATERIAL SHEET

DS_PVMTMARK

xxxxx PAVEMENT MARKINGS

DS_RDET

xxxxx ROADWAY DETAILS

DS_RDINDBLNK

xxxxx xxxxxxxxxxxxxxxxxxxxxxxx

DS_RETDET

xxxxx RETAINING WALL DETAILS

DS_REVS

REVISIONS

SHEET NO.	DATE	REVISED

SN_PHASE4

PHASE DIAGRAM

ø1 | ø2 | ø3 | ø4

XXXXXXXXXXX

SN_PHASE8

PHASE DIAGRAM

ø1 | ø2 | ø3 | ø4

ø5 | ø6 | ø7 | ø8

XXXXXXXXXXX

SN_TAGTAB

LOOP TAGGING TABLE

LANE	TAG - NUMBER
XXXXXXX	XXXXXXXXXXX

SN_IFA

TRAFFIC SIGNAL HEAD, 1 FACE 12" AMBER

SN_IFR

TRAFFIC SIGNAL HEAD, 1 FACE 12" RED

SN_3F

TRAFFIC SIGNAL HEAD, 3 FACE, 12 " : RED, AMBER, GREEN

SN_3FL

TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, LT. AMBER ARROW, LT. GREEN ARROW

SN_3FR

TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, RT. AMBER ARROW, RT. GREEN ARROW

SN_4FL

TRAFFIC SIGNAL HEAD, 4 FACE, 12" : RED, AMBER, GREEN, LT. GREEN ARROW

SN_4FR

TRAFFIC SIGNAL HEAD, 4 FACE, 12" : RED, AMBER, GREEN, RT. GREEN ARROW

SN_5FL

TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW

SN_5FR

TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW

SN_BRID

B

BRIDLE

SN_CANT

SIGNAL CANTILEVER STRUCTURE & FOUNDATION

SN_CONCUR

CONCRETE CURB

SN_CURBA

CURB RAMP TYPE A

SN_CURBC

CURB RAMP TYPE C

SN_CURBD

CURB RAMP TYPE D

SN_CURCUT

CURB AND GUTTER

SN_DETECT

SIGNAL DETECTOR HOUSING

SN_DISCON

DISCONNECT HANGER

SN_EIFA

EX. TRAFFIC SIGNAL HEAD, 1 FACE 12" AMBER

SN_EIFR

EX. TRAFFIC SIGNAL HEAD, 1 FACE 12" RED

SN_E3F

EX. TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, AMBER, GREEN

SN_E3L

EX. TRAFFIC SIGNAL HEAD, 3 FACE, "12" : RED, LT. AMBER ARROW, LT. GREEN ARROW

SN_E3R

EX. TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, RT. AMBER ARROW, RT. GREEN ARROW

SN_E4L

EX. TRAFFIC SIGNAL HEAD, 4 FACE, 12" : RED, AMBER, GREEN, LT. GREEN ARROW

SN_E4R

EX. TRAFFIC SIGNAL HEAD, 4 FACE, 12" : RED, AMBER, GREEN, RT. GREEN ARROW

SN_E5L

EX. TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW

SN_E5R

EX. TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW

SN_ECAGTR

EX. CURB AND GUTTER

SN_ECANT

EX. SIGNAL CANTILEVER STRUCTURE & FOUNDATION

SN_ECTR2 EX. 2" CONDUIT	SN_ECURB EX. CURB	SN_EDISCO EX. DISCONNECT HANGER	SN_EDTEC EX. SIGNAL DETECTOR HOUSING
SN_EFLAS EX. FLASHER CONTROLLER AND CABINET	SN_EHANDH EX. SIGNAL HANDHOLE	SN_EMAG EX. MAGNETOMETER	SN_EMCAB EX. CONTROLLER AND "M" CABINET ON "M" FOUNDATION
SN_EMICRO EX. MICROLOOP	SN_EOCTL EX. OCTAGONAL LOOP, 4 TURN SERIES	SN_EOP3F EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, AMBER, GREEN	SN_EOP3L EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, LT. AMBER ARROW, LT. GREEN ARROW
SN_EOP4L EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, LT. GREEN ARROW	SN_EOP4R EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, RT. GREEN ARROW	SN_EOP5L EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW	SN_EOP5R EX. TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW
SN_EPICAB EX. CONTROLLER AND "P-1" CABINET ON "P-1" FOUNDATION	SN_EPAVE EX. PAVEMENT MESSAGE MARKINGS	SN_EPED EX. PEDESTRIAN SIGNAL HEAD	SN_EPRLOOP P PREFORMED LOOP
SN_EPUSH EX. P EX. PEDESTRIAN PUSH BUTTON & SIGN	SN_EROW EX. RIGHT-OF-WAY	SN_ERRSCC EX. RAILROAD SIGNAL CONTROLLER CABINET	SN_ESIPED EX. SIGNAL PEDESTAL ON "A" FOUNDATION
SN_ESSP30 30 EX. 30' STEEL STRAIN POLE & FOUNDATION	SN_ESSP36 36 EX. 36' STEEL STRAIN POLE & FOUNDATION	SN_EST EX. 24" STOP LINE	SN_EUTIL EX. UTILITY CABINET
SN_EUTILP EX. UTILITY POLE	SN_EVIDEO EX. VIDEO CAMERA	SN_EWP EX. WOOD POLE WITH DOWN GUYS & ANCHOR	SN_EXCAB EX. CONTROLLER AND "G" CABINET ON "A" FOUNDATION

SN_EXFIRE EX. FIRE HYDRANT	SN_GCAB CONTROLLER AND "G" CABINET ON "A" FOUNDATION	SN_GSC2 2" GALVANIZED STEEL CONDUIT	SN_HAND SIGNAL HANDHOLE
SN_INT (I) INTERCEPT	SN_LEGEND LEGEND	SN_MAG MM MAGNETOMETER	SN_MCAB TS2 CONTROLLER AND "M" CABINET MIN. 4 PHASE ON "M" FOUNDATION
SN_MICRO ML MICROLOOP	SN_NEMA NEMA 2-CIRCUIT FLASHER AND CABINET	SN_OP3F TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, AMBER, GREEN	SN_OP3FL TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, LT. AMBER ARROW, LT. GREEN ARROW
SN_OP3FR TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 3 FACE, 12" : RED, RT. AMBER ARROW, RT. GREEN ARROW	SN_OP4FL TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, LT. GREEN ARROW	SN_OP4FR TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 4 FACE, 12" : RED, AMBER, GREEN, RT. GREEN ARROW	SN_OP5FL TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW
SN_OP5FR TRAFFIC SIGNAL HEAD, OPTICALLY PROGRAMMED, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW	SN_PICAB TS2 CONTROLLER AND "P-1" CABINET MIN. 8 PHASE ON "P-1" FOUNDATION	SN_PAVEME PAVEMENT MESSAGE MARKINGS	SN_PED18 PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOLS, 18"
SN_PRLOOP P EX. PREFORMED LOOP	SN_PUSH P PEDESTRIAN PUSH BUTTON & SIGN	SN_RAH H RADIO ANTENNAE (HORIZONTAL POLARIZATION)	SN_RAS O RADIO ANTENNAE (SPHERICAL POLARIZATION)
SN_RAV V RADIO ANTENNAE (VERTICAL POLARIZATION)	SN_ROW RIGHT-OF-WAY	SN_ROWMKR RIGHT OF WAY MARKER	SN_SIPED SIGNAL PEDESTAL ON "A" FOUNDATION
SN_SSP30 30 30' STEEL STRAIN POLE & FOUNDATION	SN_SSP36 36 36' STEEL STRAIN POLE & FOUNDATION	SN_STP 24" STOP LINE	SN_STUB STUB POLE

SN_VIDEO VIDEO CAMERA	SN_WP45 45' CLASS II WOOD POLE WITH DOWN GUYS & ANCHOR	LG_T04181 HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. 2 LUMINAIRES ORIENTED IN THE DIRECTION OF ONE ARROW & 2 IN OPPOSITE DIRECTION	LG_T04361 HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. LUMINAIRES TO BE ORIENTED IN THE DIRECTION OF ARROWS (SYMMETIRC)
LG_T06181 HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. 3 LUMINAIRES ORIENTED IN THE DIRECTION OF ONE ARROW & 3 IN OPPOSITE DIRECTION	LG_T06361 HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. LUMINAIRES TO BE ORIENTED IN THE DIRECTION OF ARROWS (SYMMETIRC)	LG_TOW5 HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. ALL LUMINAIRES ORIENTED IN THE SAME COMPASS DIRECTION (ASYMMETRIC)	LG_TOW7 HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. ALL LUMINAIRES ORIENTED IN THE SAME COMPASS DIRECTION (ASYMMETRIC)
LG_I50UL 150 WATT H.P.S. UNDERPASS LUMINAIRE	LG_BT2II 250 WATT H.P.S. ROADWAY LUNIMAIRE ON BEAKAWAY BASE (BREAKAWAY TRANSFORMER BASE, BREAKAWAY COUPLINGS) M-S-III	LG_BT4III 400 WATT H.P.S. ROADWAY LUNIMAIRE ON BEAKAWAY BASE (BREAKAWAY TRANSFORMER BASE, BREAKAWAY COUPLINGS) M-S-III	LG_BT4MII 400 WATT H.P.S. ROADWAY LUNIMAIRE ON BEAKAWAY BASE (BREAKAWAY TRANSFORMER BASE, BREAKAWAY COUPLINGS) M-S-II
LG_BT25II 250 WATT H.P.S. ROADWAY LUNIMAIRE ON BEAKAWAY BASE (BREAKAWAY TRANSFORMER BASE, BREAKAWAY COUPLINGS) M-S-II	LG_BT40II 400 WATT H.P.S. ROADWAY LUNIMAIRE ON BEAKAWAY BASE (BREAKAWAY TRANSFORMER BASE, BREAKAWAY COUPLINGS) M-S-II	LG_C20III 250 WATT ROADWAY LUMINAIRE HAVING OUTPUT CHARACTERISTICS EQUIVALENT TO M-S-III	LG_C25II 250 WATT ROADWAY LUMINAIRE HAVING OUTPUT CHARACTERISTICS EQUIVALENT TO M-S-II
LG_C40II 250 WATT ROADWAY LUMINAIRE HAVING OUTPUT CHARACTERISTICS EQUIVALENT TO M-S-III	LG_CABMAR CABLE MARKER: EXACT LOCATION AND ARROW DIRECTION TO BE DETERMINED AFTER CABLE DUCT INSTALLATION	LG_CO25II 250 WATT ROADWAY LUMINAIRE HAVING OUTPUT CHARACTERISTICS EQUIVALENT TO M-S-II	LG_NB2III 250 WATT H.P.S. ROADWAY LUNIMAIRE ON NON-BEAKAWAY BASE (ANCHOR BASE, STEEL TRANSFORMER BASE) M-S-III
LG_NB25II 250 WATT H.P.S. ROADWAY LUNIMAIRE ON NON-BEAKAWAY BASE (ANCHOR BASE, STEEL TRANSFORMER BASE) M-S-II	LG_NB40II 400 WATT H.P.S. ROADWAY LUNIMAIRE ON NON-BEAKAWAY BASE (ANCHOR BASE, STEEL TRANSFORMER BASE) M-S-II	LG_T04180 HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. 2 LUMINAIRES ORIENTED IN THE DIRECTION OF ONE ARROW & 2 IN OPPOSITE DIRECTION	LG_T04360 HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. LUMINAIRES TO BE ORIENTED IN THE DIRECTION OF ARROWS (SYMMETIRC)
LG_T06180 HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. 3 LUMINAIRES ORIENTED IN THE DIRECTION OF ONE ARROW & 3 IN OPPOSITE DIRECTION	LG_T06360 HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. LUMINAIRES TO BE ORIENTED IN THE DIRECTION OF ARROWS (SYMMETIRC)	LG_TOW4 HIGH MAST LIGHTING UNIT WITH 4 -1000 WATT H.P.S. ALL LUMINAIRES ORIENTED IN THE SAME COMPASS DIRECTION (ASYMMETRIC)	LG_TOW6 HIGH MAST LIGHTING UNIT WITH 6 -1000 WATT H.P.S. ALL LUMINAIRES ORIENTED IN THE SAME COMPASS DIRECTION (ASYMMETRIC)

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revisions

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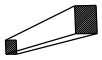
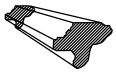
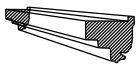
BLACK	BOONE	BROWN 	CARROL
CASS	CLARK 	CLAY	CLINTON
CRAWFORD 	DAVIES	DEARBORN	DECATUR
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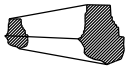
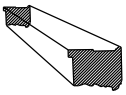
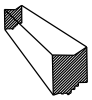
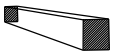
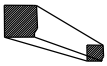
HAMILTON	HANCOCK	HARRIS 	HENDRICK

HENRY	HOWARD	HUNTING	JACKSON 
JASPER	JAY	JEFFERS	JENNING 
JOHNSON 	KNOX	KOSCIUS	LAGRANGE
LAKE	LAPORTE	LAWRENCE 	MADISON
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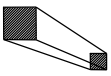
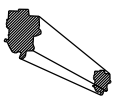
MONROE	MONTGOM	MORGAN	NEWTON
NOBLE	OHIO	ORANGE 	OWEN
PARKE	PERRY 	PIKE	PORTER

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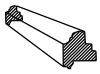
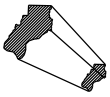
RIPLEY	RUSH	SCOTT 	SHELBY
SPENCE 	STARKE	STEUBEN	STJOSEPH
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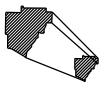
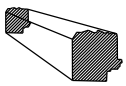
WABASH	WARREN	WARRICK 	WASHING 
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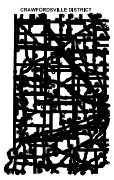
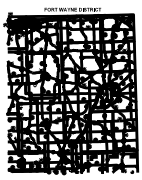
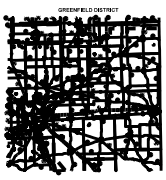
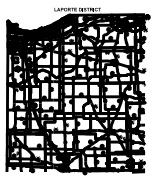
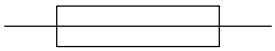
SN_CRAWFORDSVILLE 	SN_FORT WAYNE 	SN_GREENFIELD 	SN_LAPORTE 

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