Pavement Markings

PM

SECTION

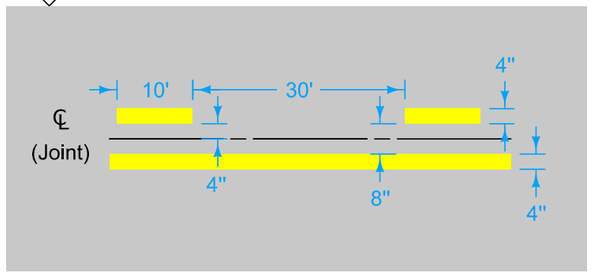
Pavement Markings

PM

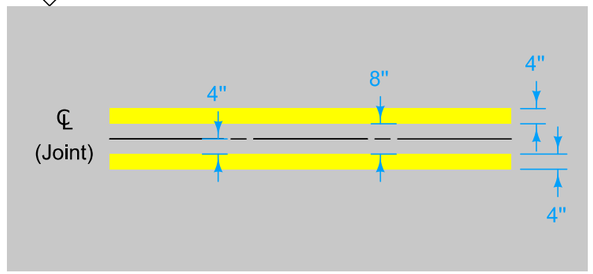
NO.	DATE	TITLE
PM-110	10-15-24	Line Types
PM-111	04-21-20	Symbols and Legends
PM-115	04-15-25	Grooving for Line Types
PM-116	04-16-24	Grooving for Symbols and Legends
PM-120	10-15-24	Stop Lines and Islands
PM-210	10-15-24	Separation in Two-Lane Roadway
PM-211	10-15-24	Separation in Four-Lane Roadway
PM-220	10-15-24	Passing Lane
PM-221	10-15-24	Climbing Lane
PM-222	10-15-24	Passing Lane (Super Two Highway)
PM-230	10-15-24	Transition at Abrupt Changes in Pavement Width
PM-240	10-15-24	Railroad Crossing on Two-Lane Roadway
PM-242	10-15-24	Railroad Crossing on Four-Lane Roadway
PM-310	04-15-25	Entrance and Exit Ramps (Waterbone Pavement Markings)
PM-320	04-15-25	Entrance and Exit Ramps (Multicomponent Pavement Markings)
PM-420	10-15-24	Two-Lane Roadway with no Turn Lanes (One-Way Stop Condition)
PM-520	10-15-24	Two-Lane Roadway with no Turn Lanes (Two-Way Stop Condition)
PM-521	10-15-24	Two-Lane Roadway with Right Turn Lanes
PM-522	10-15-24	Two-Lane Roadway with Left Turn Lanes
PM-550	10-15-24	Two-Lane Roadway with Two-Way Left Turn Lane
PM-560	10-15-24	Divided Multi-Lane Roadway with no Turn Lanes
PM-561	10-15-24	Divided Multi-Lane Roadway with Right Turn Lanes
PM-562	10-15-24	Divided Multi-Lane Roadway with Left Turn Lanes
PM-620	10-15-24	Two-Lane Roadway with no Turn Lanes (Four-Way Stop Condition)
PM-650	10-15-24	Multi-Lane Roadway with Two-Way Left Turn Lane
PM-760	10-15-24	Divided Multi-Lane Roadway Median

DESIGNER INFORMATION

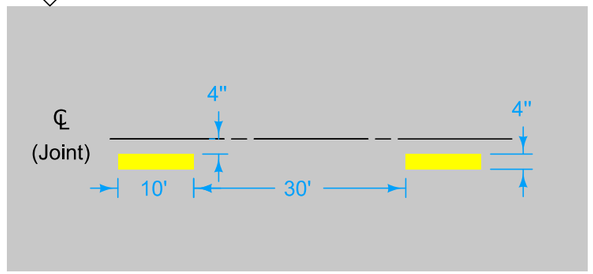
NPY4 NO PASSING ZONE LINE (Yellow)



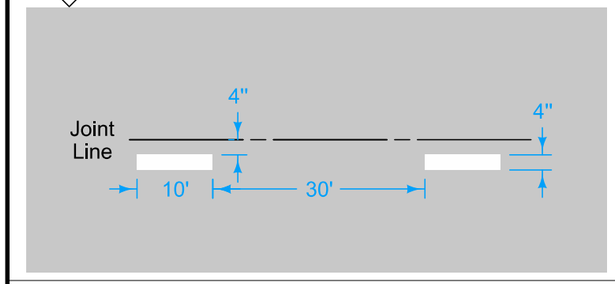
DCY4 DOUBLE CENTERLINE (Yellow)



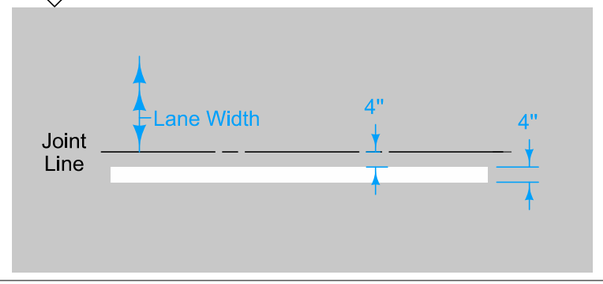
BCY4 BROKEN CENTERLINE (Yellow)



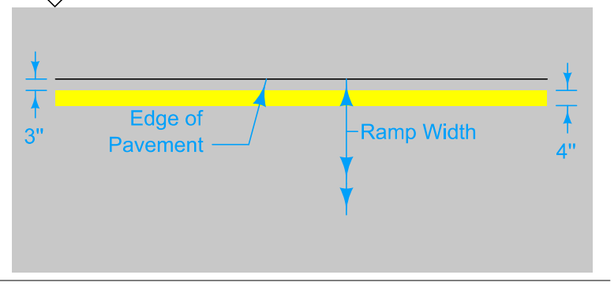
BLW4 BROKEN LANE LINE (White)



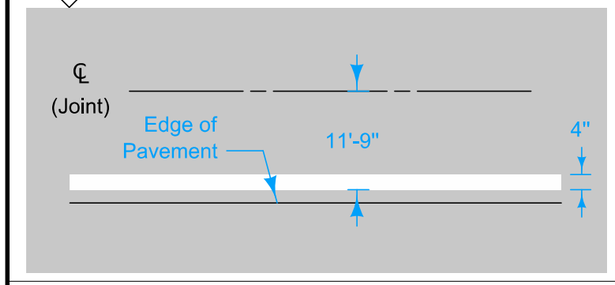
SLW4 SOLID LANE LINE (White)



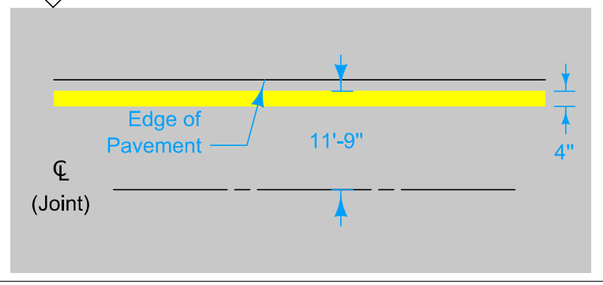
RLY4 RAMP EDGE LINE LEFT (Yellow)



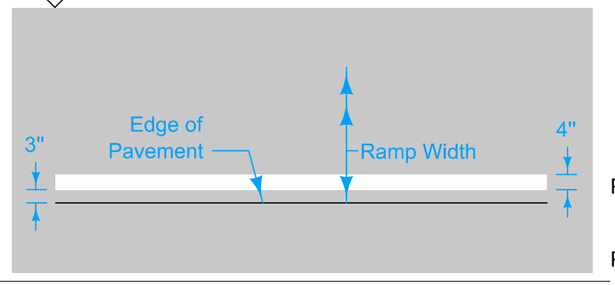
ELW4 EDGE LINE RIGHT (White)



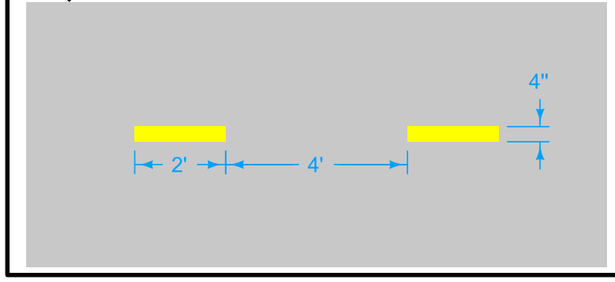
ELY4 EDGE LINE LEFT (Yellow)



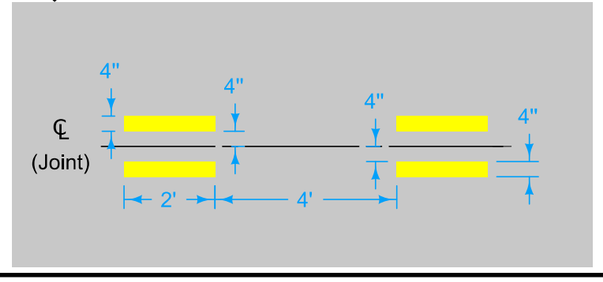
RLW4 RAMP EDGE LINE RIGHT (White)



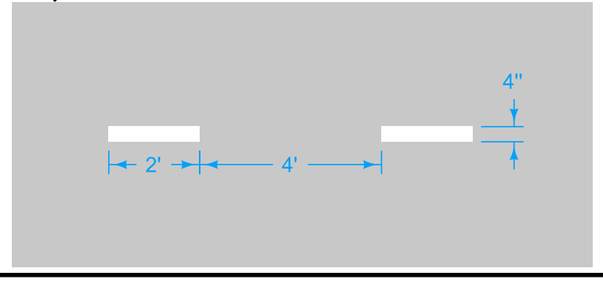
DLY4 DOTTED LINE (Yellow)



DDY4 DOUBLE DOTTED LINE (Yellow)



DLW4 DOTTED LINE (White)



Lane layouts shown are typical.

Centerlines and lane lines may be painted either side of centerline.

Drawings on sheets 1, 2 and 3 are oriented to represent direction of traffic moving from left to right.

6 inch lines intended for primary system roads, and 4 inch lines intended for secondary system roads.

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-22

IOWA DOT

STANDARD ROAD PLAN

REVISION	
5	10-15-24

PM-110

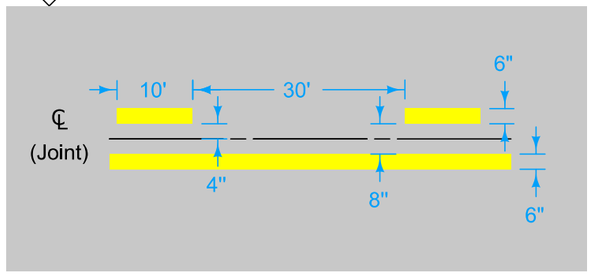
SHEET 1 of 4

REVISIONS: Added note about primary and secondary roads.

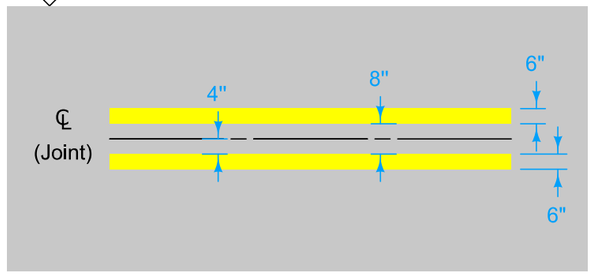
APPROVED BY DESIGN METHODS ENGINEER

LINE TYPES

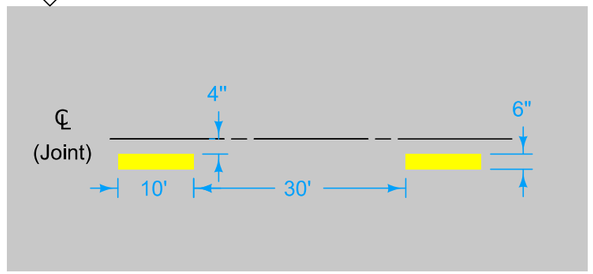
NPY6 NO PASSING ZONE LINE (Yellow)



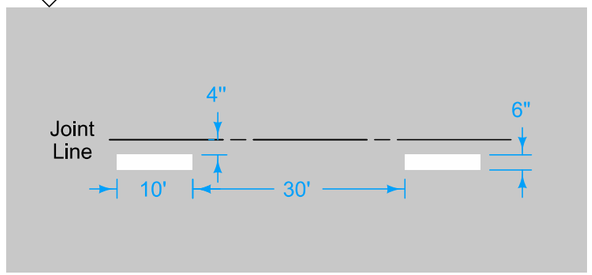
DCY6 DOUBLE CENTERLINE (Yellow)



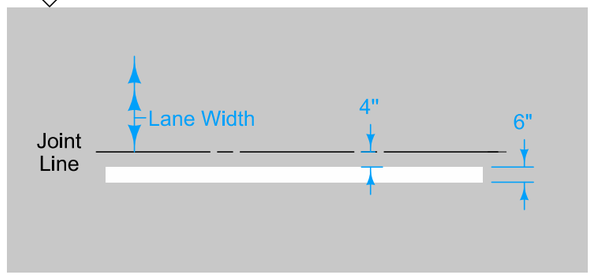
BCY6 BROKEN CENTERLINE (Yellow)



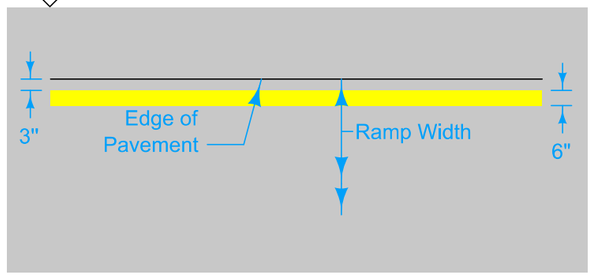
BLW6 BROKEN LANE LINE (White)



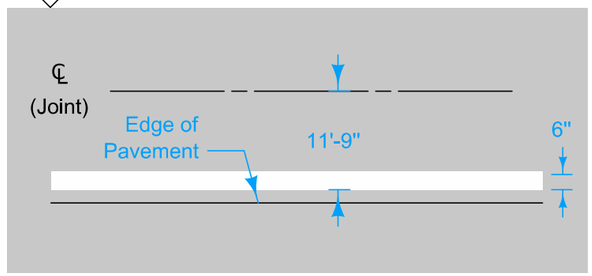
SLW6 SOLID LANE LINE (White)



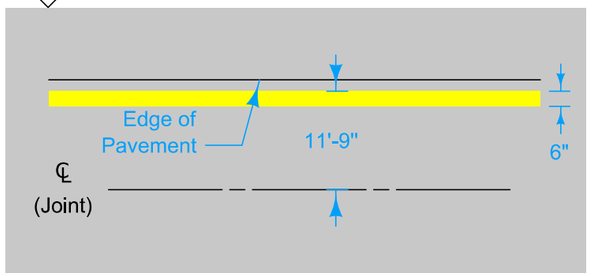
RLY6 RAMP EDGE LINE LEFT (Yellow)



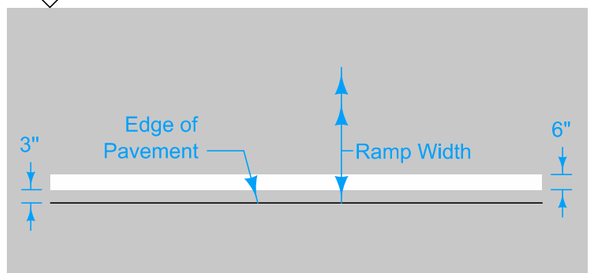
ELW6 EDGE LINE RIGHT (White)



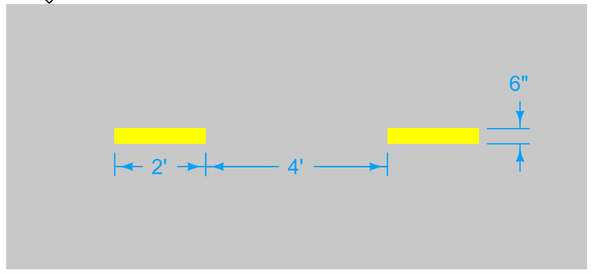
ELY6 EDGE LINE LEFT (Yellow)



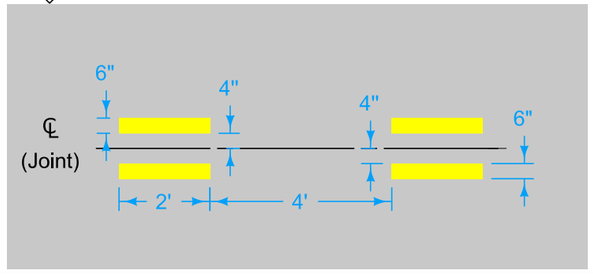
RLW6 RAMP EDGE LINE RIGHT (White)



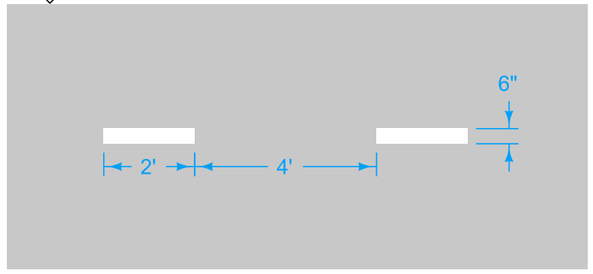
DLY6 DOTTED LINE (Yellow)



DDY6 DOUBLE DOTTED LINE (Yellow)



DLW6 DOTTED LINE (White)



IOWA DOT

STANDARD ROAD PLAN

REVISION	
5	10-15-24

PM-110

SHEET 2 of 4

REVISIONS: Added note about primary and secondary roads.

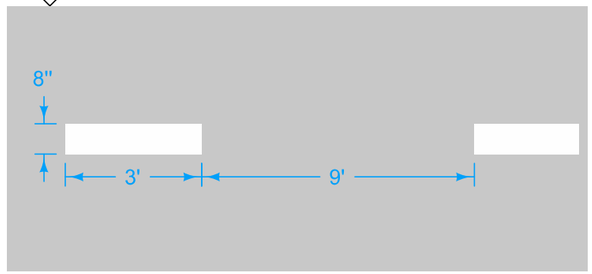
APPROVED BY DESIGN METHODS ENGINEER

LINE TYPES

CHY8 CHANNELIZING LINE (Yellow)

CHW8 CHANNELIZING LINE (White)

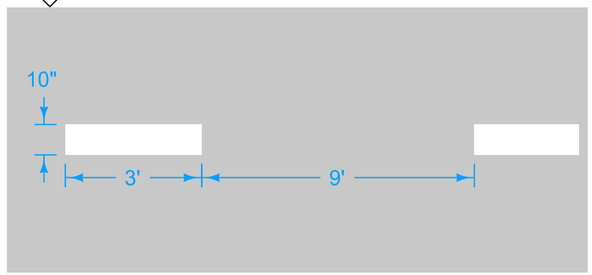
LDW8 LANE DROP (White)



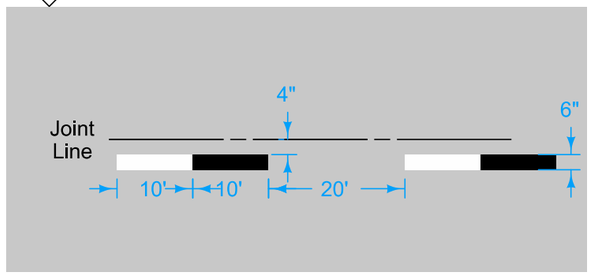
CHY10 CHANNELIZING LINE (Yellow)

CHW10 CHANNELIZING LINE (White)

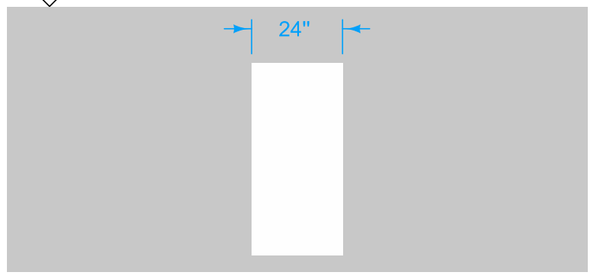
LDW10 LANE DROP (White)



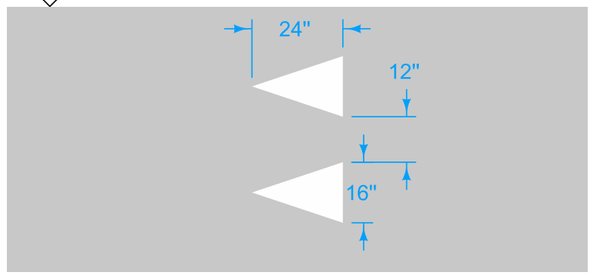
BLC6 BROKEN LANE LINE (White/Black)



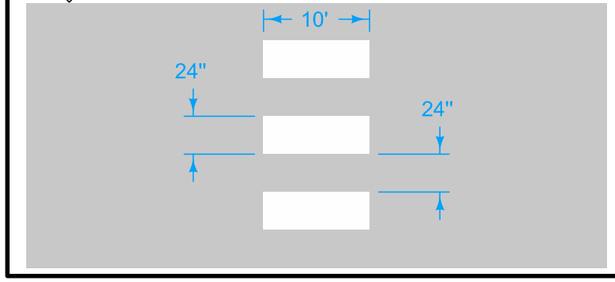
SLW2 STOP LINE (White)



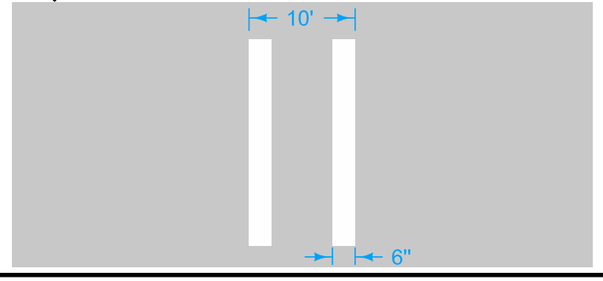
YLW2 YIELD LINE (White)



CBW6 CROSSWALK BAR (White)



CLW6 CROSSWALK LINE (White)



IOWA DOT

STANDARD ROAD PLAN

REVISION	
5	10-15-24

PM-110

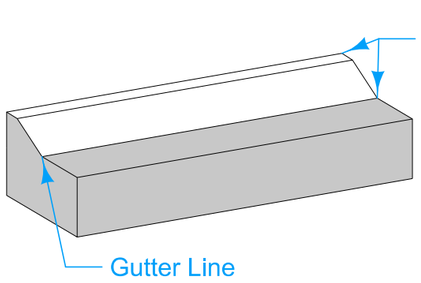
SHEET 3 of 4

REVISIONS: Added note about primary and secondary roads.

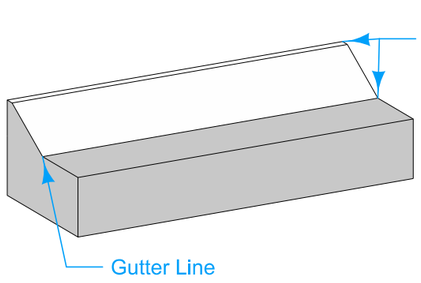
APPROVED BY DESIGN METHODS ENGINEER

LINE TYPES

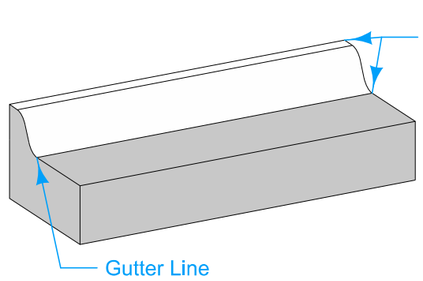
SPW4 SLOPED CURB 4" (White)



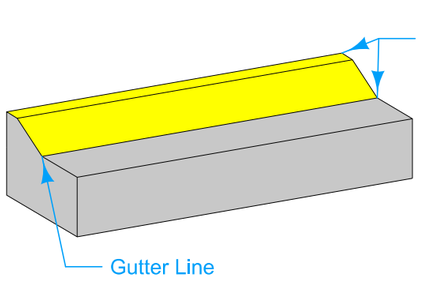
SPW6 SLOPED CURB 6" (White)



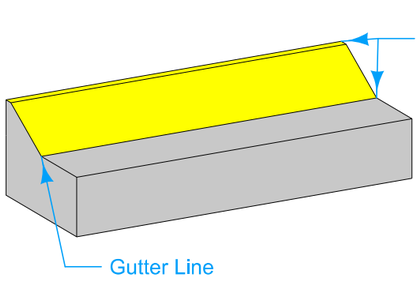
STW6 STANDARD CURB 6" (White)



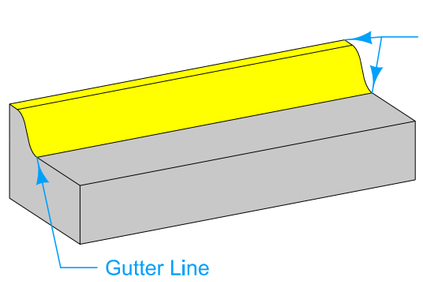
SPY4 SLOPED CURB 4" (Yellow)



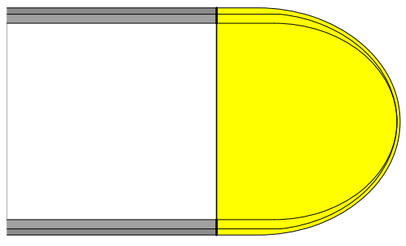
SPY6 SLOPED CURB 6" (Yellow)



STY6 STANDARD CURB 6" (Yellow)



MNY6 MEDIAN NOSE (Yellow)



1 Apply paint from back of curb to gutter line.

IOWA DOT

STANDARD ROAD PLAN

REVISION	
5	10-15-24

PM-110

SHEET 4 of 4

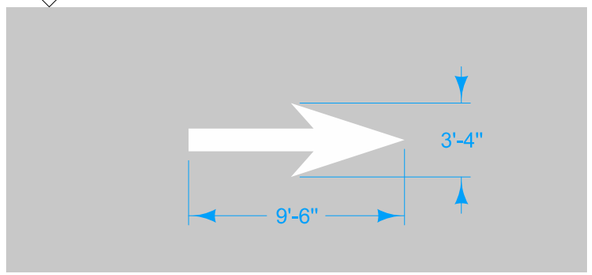
REVISIONS: Added note about primary and secondary roads.

APPROVED BY DESIGN METHODS ENGINEER

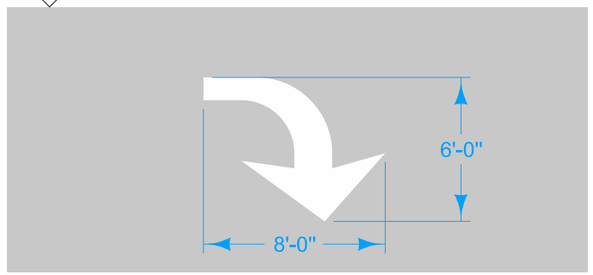
LINE TYPES

DESIGNER INFORMATION

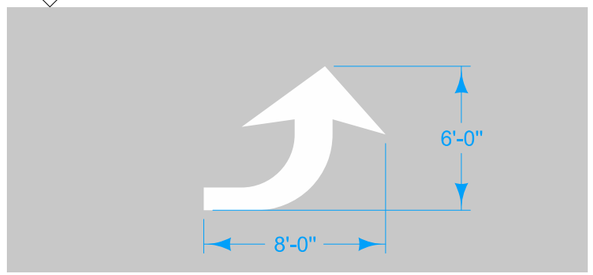
STAW STRAIGHT ARROW (White)



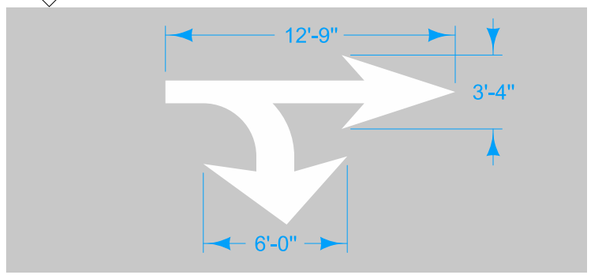
RTAW RIGHT TURN ARROW (White)



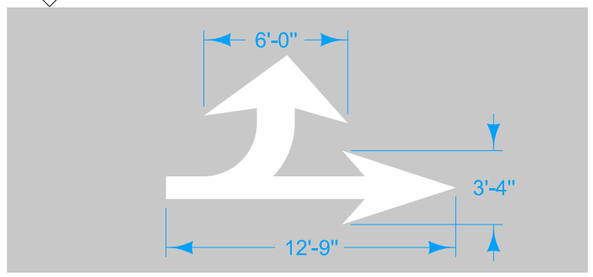
LTAW LEFT TURN ARROW (White)



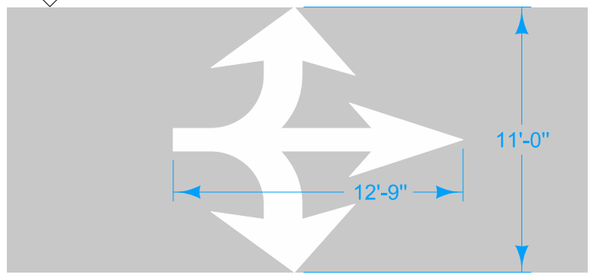
CSRW COMBINED STRAIGHT AND RIGHT TURN ARROW (White)



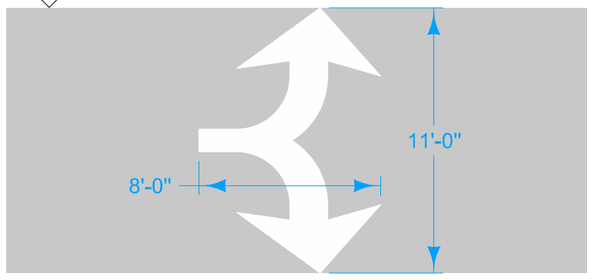
CSLW COMBINED STRAIGHT AND LEFT TURN ARROW (White)



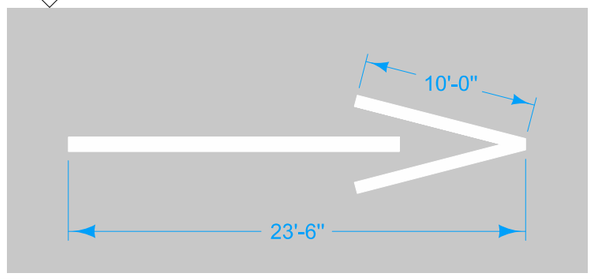
CSTW COMBINED STRAIGHT, RIGHT AND LEFT TURN ARROW (White) (1)



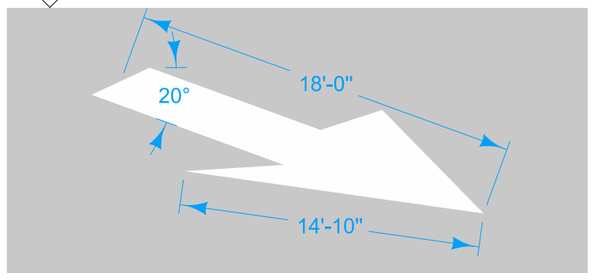
CRLW COMBINED RIGHT AND LEFT TURN ARROW (White) (1)



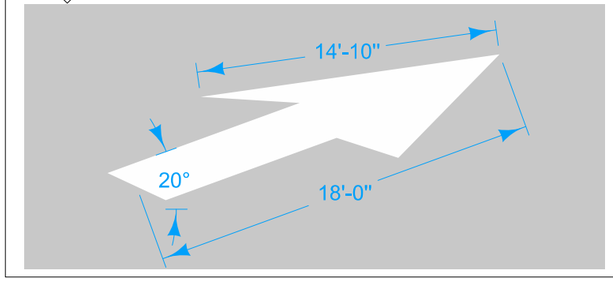
FERW FREEWAY, EXPRESSWAY AND RAMP ARROW (White)



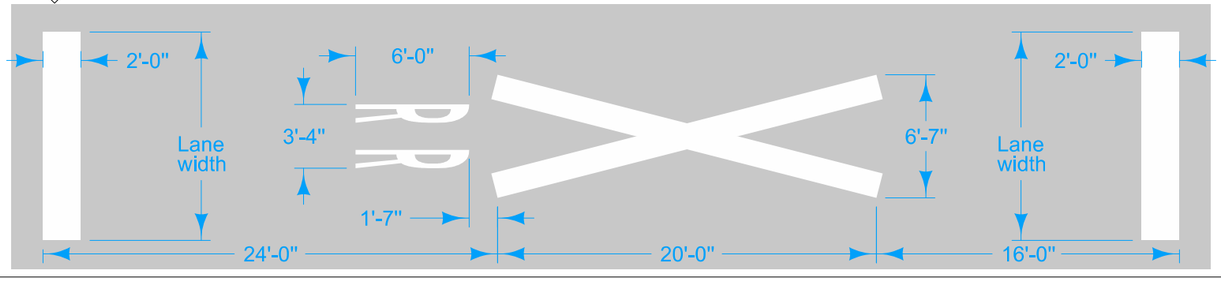
LLRW LEFT LANE REDUCTION ARROW (White)



RLRW RIGHT LANE REDUCTION ARROW (White)



RRCW RAILROAD CROSSING SYMBOL (White)



Layouts shown are for typical installations. Drawings are oriented to represent direction of traffic moving from left to right.

Center markings within the lane.

All dimensions shown are nominal. For proper proportion details, see current MUTCD Standard Highway Signs and Markings booklet.

Pavement word, symbol, and arrow markings are to be proportionally scaled to fit within the width of the facility upon which they are applied.

Except for the SCHOOL word marking, all markings are to be no more than one lane in width.

(1) Add template for Right Turn Arrow (RTAW) to Left Turn Arrow (LTAW) or Combined Straight and Left Turn Arrow (CSLW) to create new templates.

Possible Contract Item:
Pavement Marking Symbols and Legends Items

Possible Tabulation:
108-29

IOWA DOT

STANDARD ROAD PLAN

REVISION	
4	04-21-20

PM-111

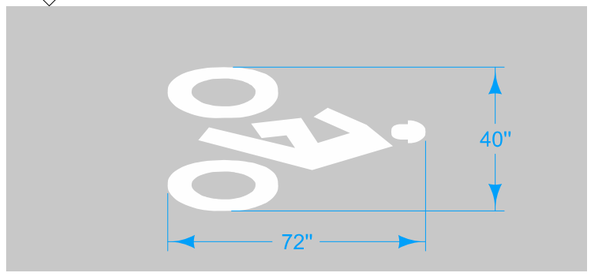
SHEET 1 of 2

REVISIONS: Added SLSW.

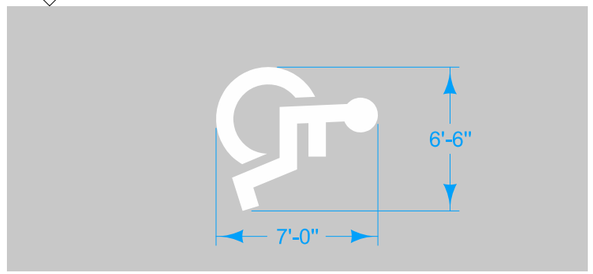
APPROVED BY DESIGN METHODS ENGINEER

SYMBOLS AND LEGENDS

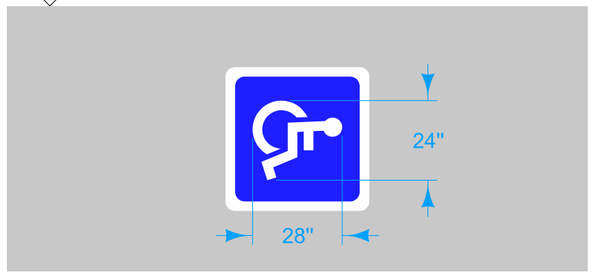
BLSW BIKE LANE SYMBOL (White)



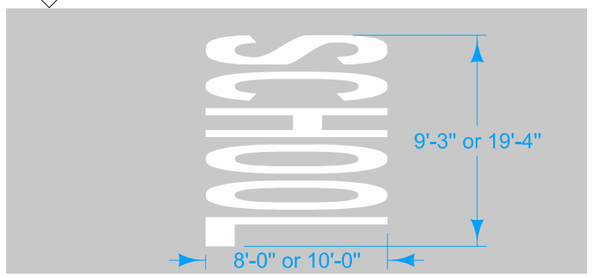
WCSW WHEELCHAIR SYMBOL (White)



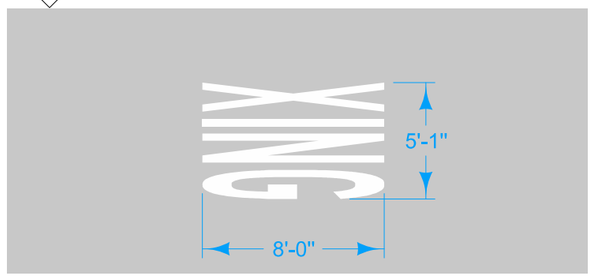
WPSB WHEELCHAIR PARKING SYMBOL (Blue)



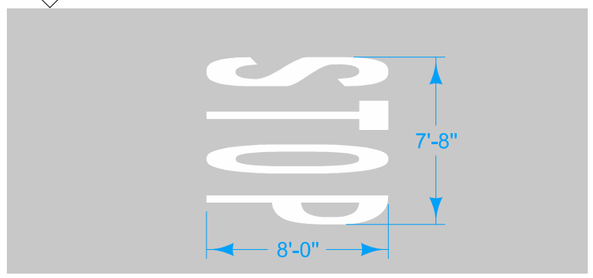
SCLW SCHOOL WORD MARKING (White) (2)



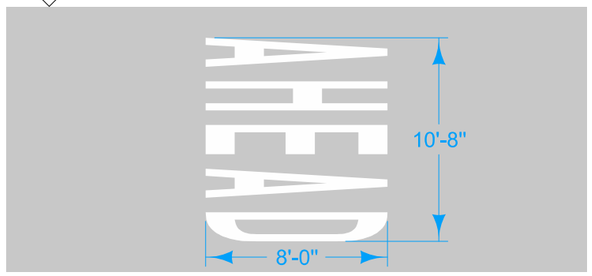
XNGW XING WORD MARKING (White)



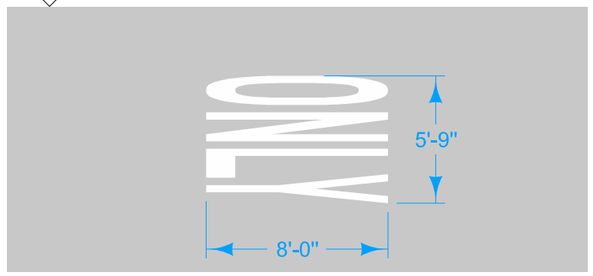
STPW STOP WORD MARKING (White)



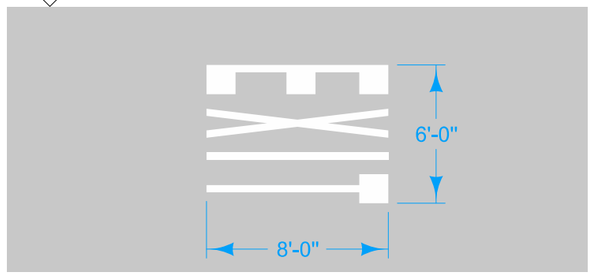
AHDW AHEAD WORD MARKING (White)



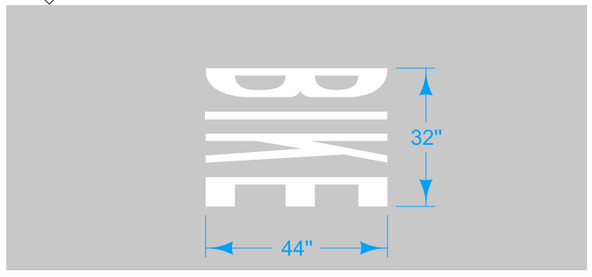
ONLW ONLY WORD MARKING (White)



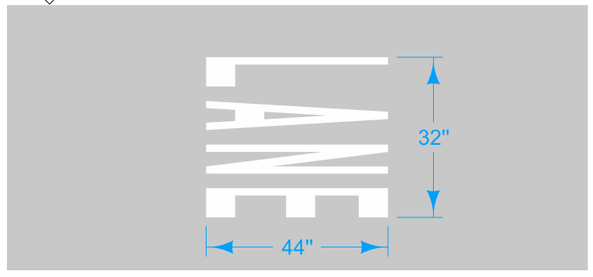
XITW EXIT WORD MARKING (White)



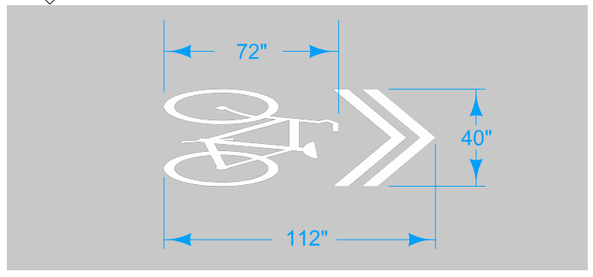
BIKW BIKE WORD MARKING (White)



LANW LANE WORD MARKING (White)



SLSW SHARED LANE SYMBOL (White)



(2) When placed across one lane, use the smaller dimensions shown. When placed across two lanes, use the larger dimensions shown.

IOWA DOT

STANDARD ROAD PLAN

REVISION	
4	04-21-20

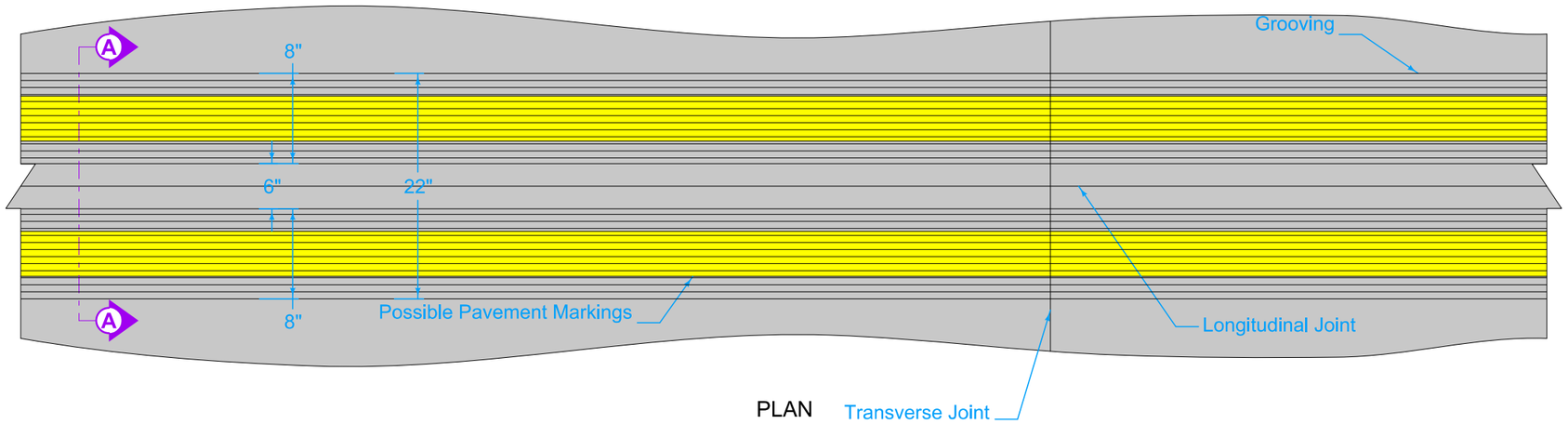
PM-111

SHEET 2 of 2

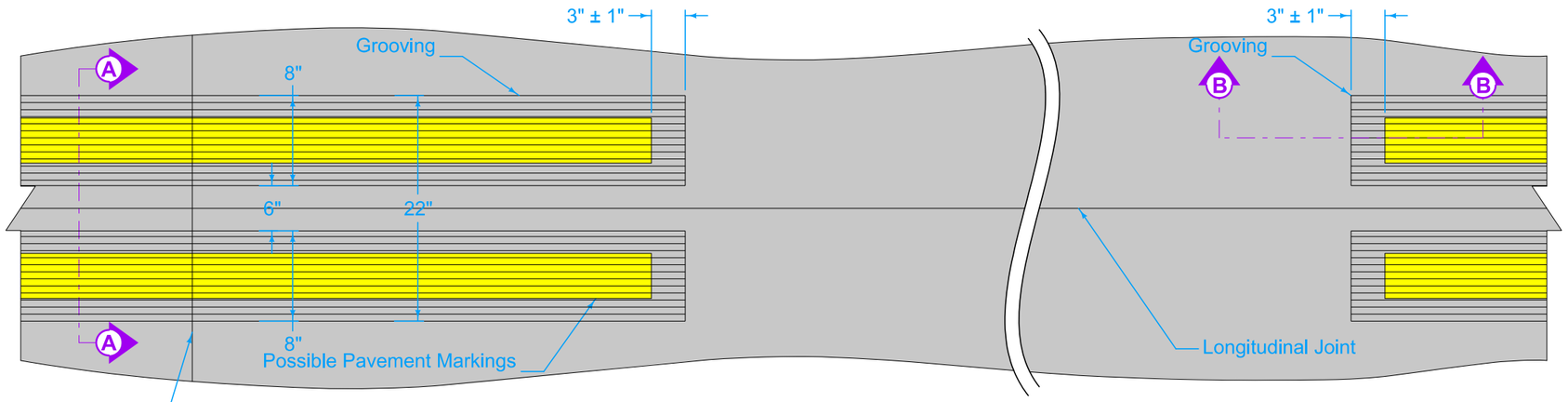
REVISIONS: Added SLSW.

APPROVED BY DESIGN METHODS ENGINEER

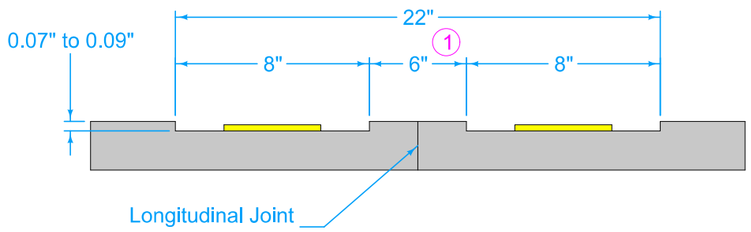
SYMBOLS AND LEGENDS



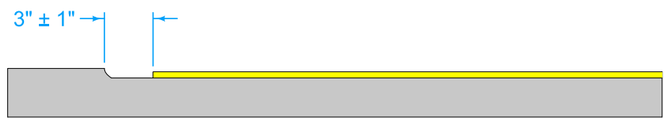
PLAN



PLAN



SECTION A-A
CROSS-SECTION



SECTION B-B
PROFILE

Do not groove temporary pavement markings.

(1) Center 6 inch gap over longitudial joint.

Possible Contract Item:
Grooves Cut for Pavement Markings

Possible Tabulation:
108-22

IOWA DOT

STANDARD ROAD PLAN

REVISION	
1	04-15-25

PM-115

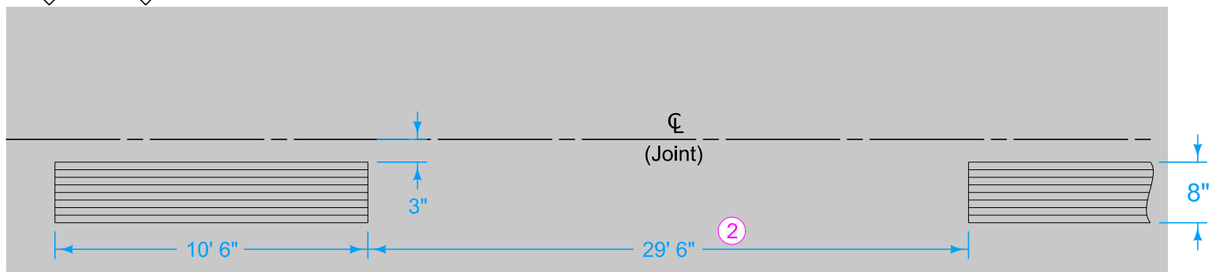
SHEET 1 of 4

REVISIONS: Modified note 2.

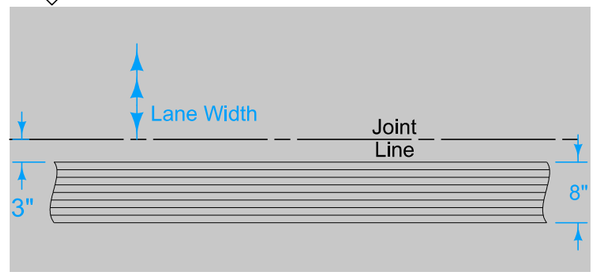
APPROVED BY DESIGN METHODS ENGINEER

GROOVING FOR LINE TYPES

BCY# BLW# BROKEN CENTERLINE

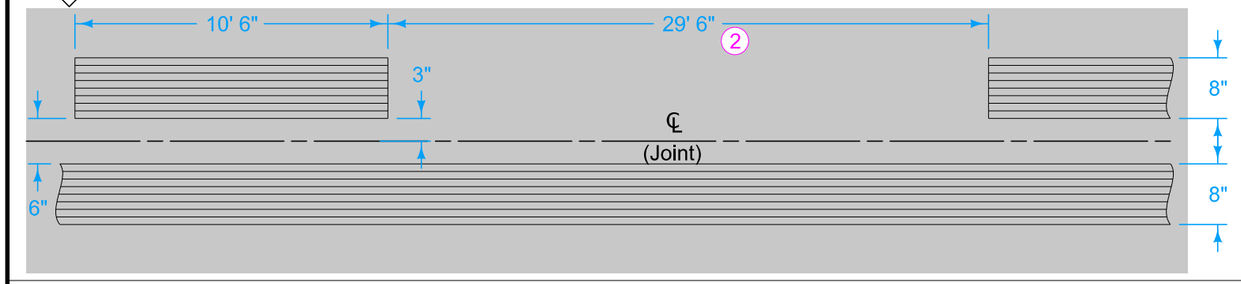


SLW# SOLID LANE LINE

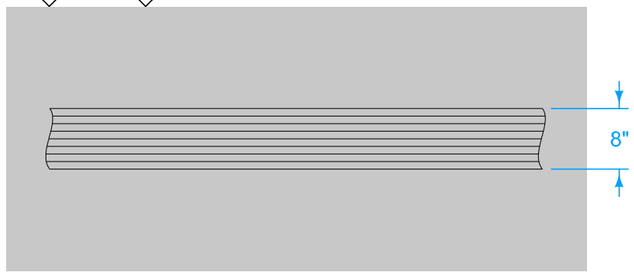


2 Do not continously groove broken line styles.

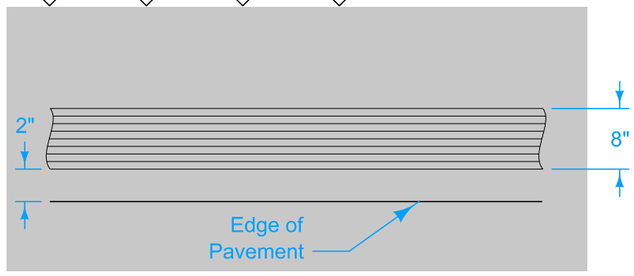
NPY# NO PASSING ZONE LINE



DLY# DLW# DOTTED LINE

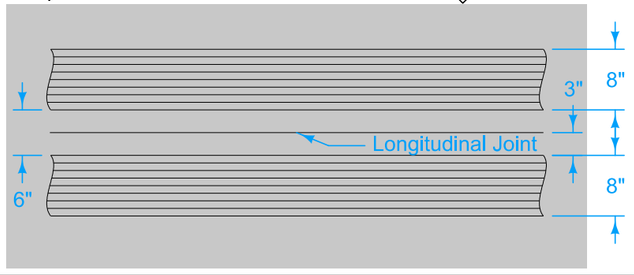


RLW# ELW# ELY# RLY# EDGE LINE



DCY# DOUBLE CENTERLINE

DDY# DOUBLE DOTTED LINE



IOWA DOT

STANDARD ROAD PLAN

REVISION	
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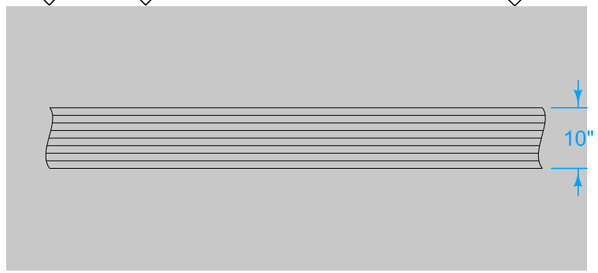
SHEET 2 of 4

REVISIONS: Modified note 2.

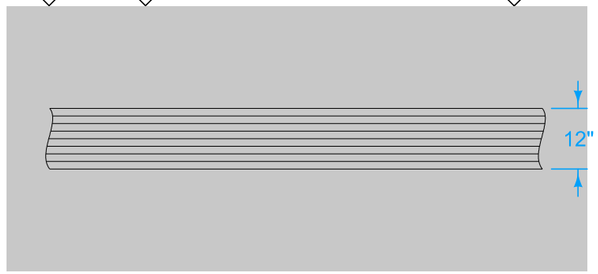
APPROVED BY DESIGN METHODS ENGINEER

GROOVING FOR LINE TYPES

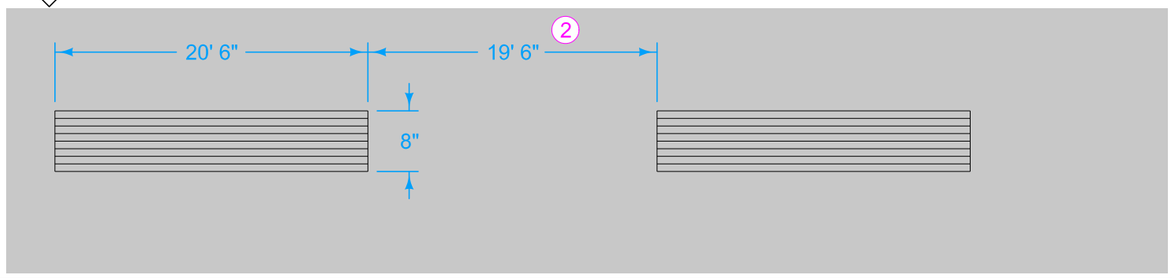
CHY8 CHW8 CHANNELIZING LINE LDW8 LANE DROP



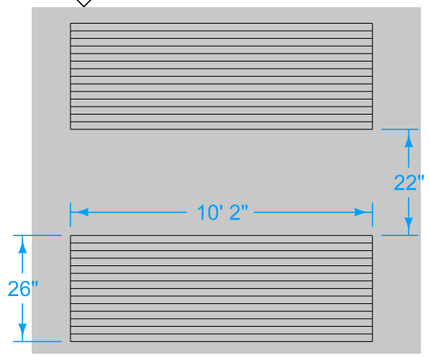
CHY10 CHW10 CHANNELIZING LINE LDW10 LANE DROP



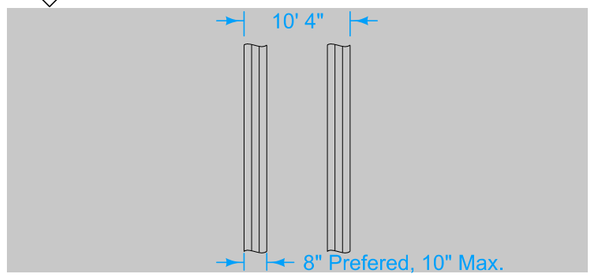
BLC6 BROKEN LANE LINE



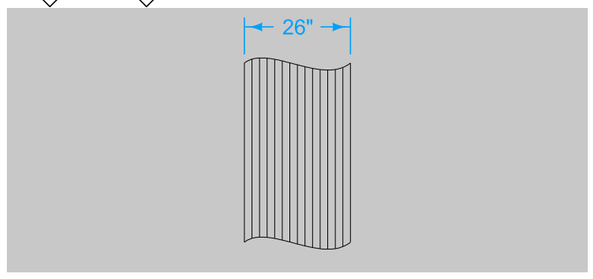
CBW6 CROSSWALK BAR



CLW6 CROSSWALK LINE



SLW2 YLW2 STOP LINE / YIELD LINE



(2) Do not continously groove broken line styles.

IOWA DOT

STANDARD ROAD PLAN

REVISION	
1	04-15-25

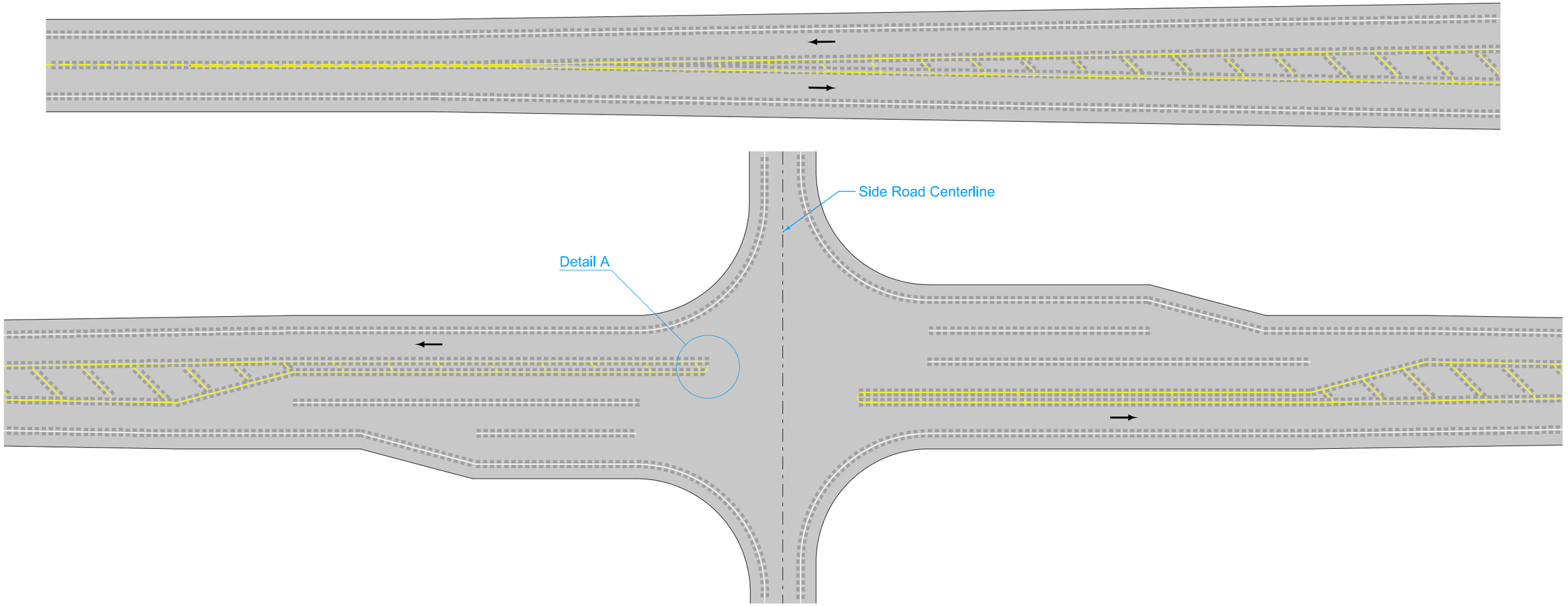
PM-115

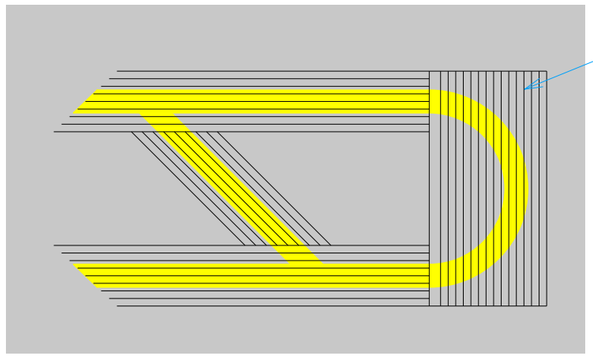
SHEET 3 of 4

REVISIONS: Modified note 2.

APPROVED BY DESIGN METHODS ENGINEER

GROOVING FOR LINE TYPES





Detail A

PAINTED MEDIAN

IOWA DOT

STANDARD ROAD PLAN

REVISION	
1	04-15-25

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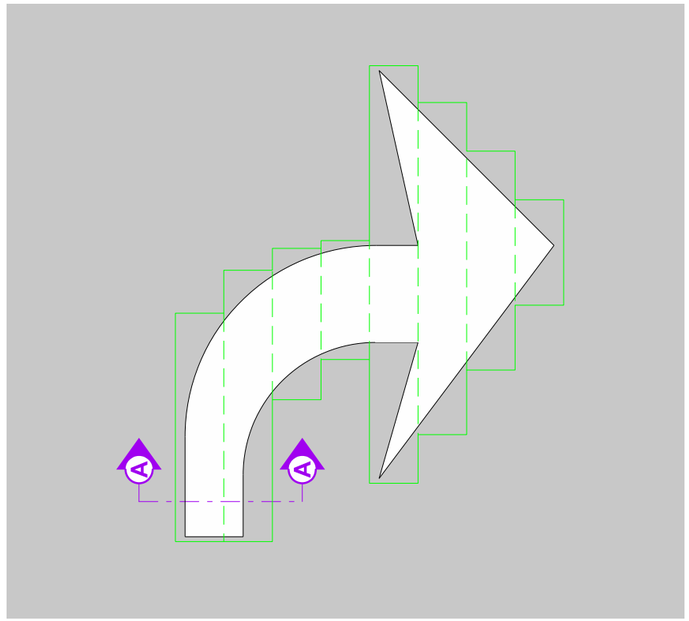
SHEET 4 of 4

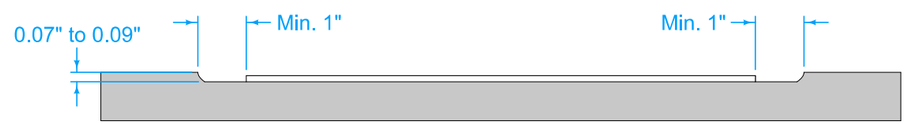
REVISIONS: Modified note 2.

APPROVED BY DESIGN METHODS ENGINEER

GROOVING FOR LINE TYPES



PLAN
Option 1



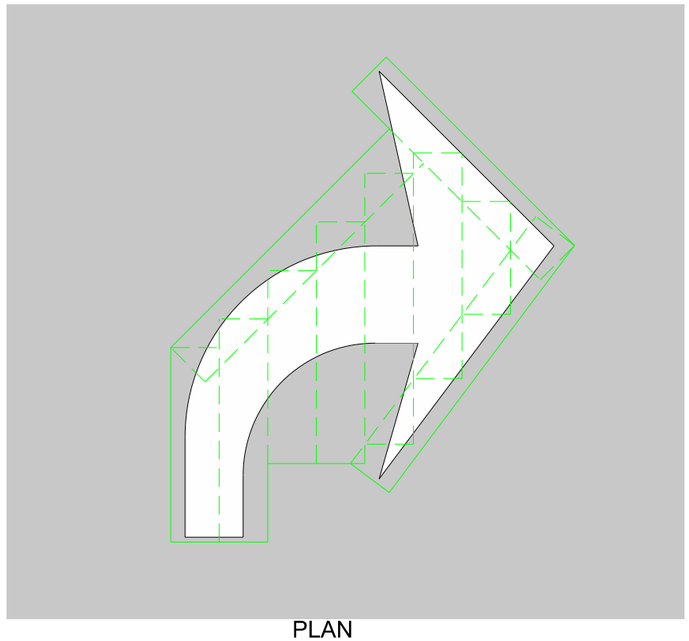
CROSS-SECTION/PROFILE
SECTION A-A

Option 1 shall be used unless specified otherwise by project documents or engineer. If option 2 or 3 is used no additional reimbursment will be given.

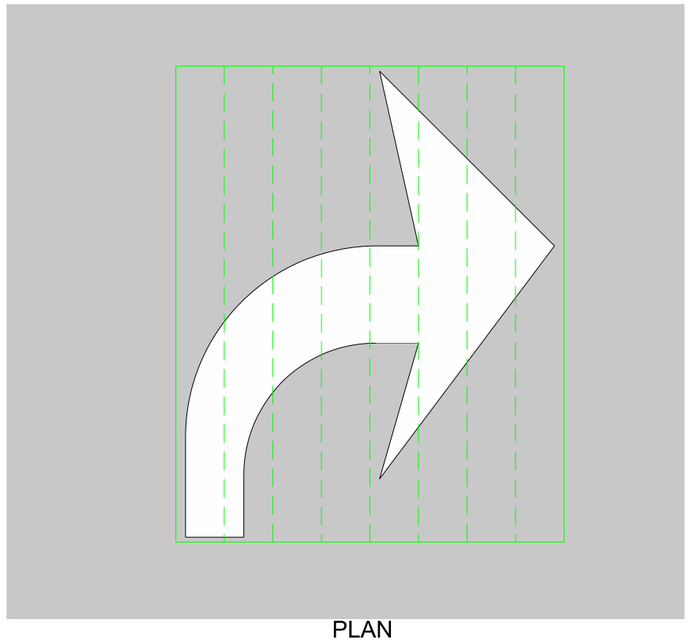
A minimum one (1) inch margin shall be place all the way around painted symbol.

Refer to PM-111 for details of painted symbols.

Layouts and areas are based on a ten (10) inch grooving head.



PLAN
Option 2



PLAN
Option 3

Boundary of grooving

Possible Contract Item:
Grooves Cut for Symbols and Legends

Possible Tabulation:
108-29

IOWA DOT

REVISION	
NEW	4-16-24

STANDARD ROAD PLAN

PM-116

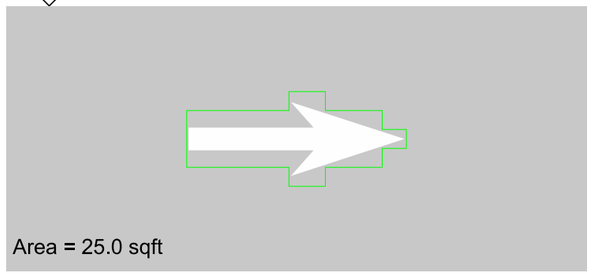
SHEET 1 of 3

REVISIONS: NEW

APPROVED BY DESIGN METHODS ENGINEER

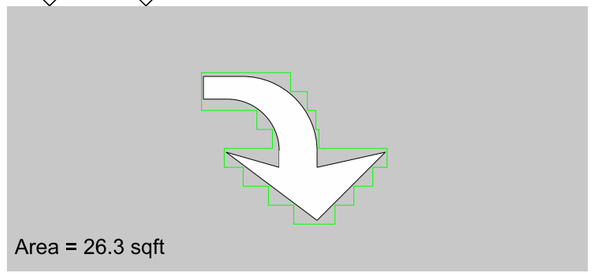
GROOVING FOR SYMBOLS AND LEGENDS

STAW STRAIGHT ARROW



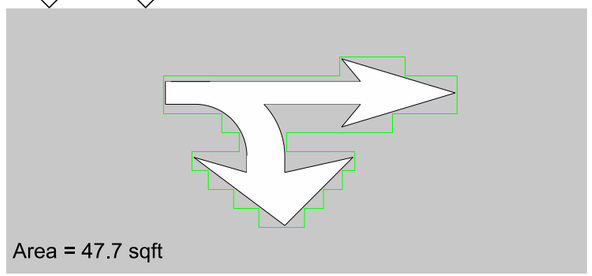
Area = 25.0 sqft

RTAW LTAW TURN ARROW



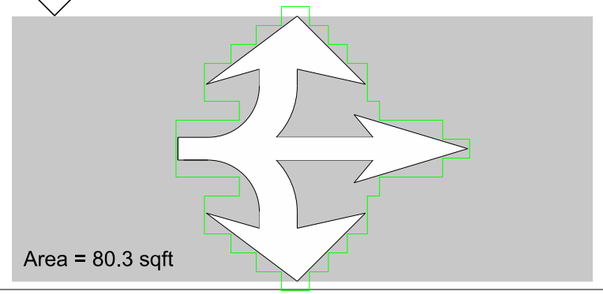
Area = 26.3 sqft

CSRW CSLW COMBINED STRAIGHT AND TURN ARROW



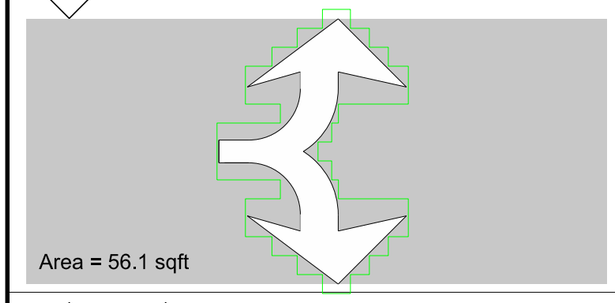
Area = 47.7 sqft

CSTW COMBINED STRAIGHT, RIGHT AND LEFT TURN ARROW



Area = 80.3 sqft

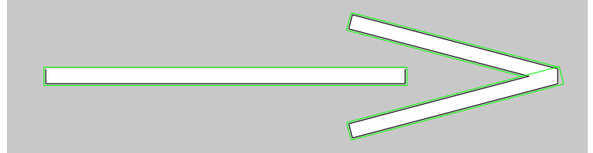
CRLW COMBINED RIGHT AND LEFT TURN ARROW



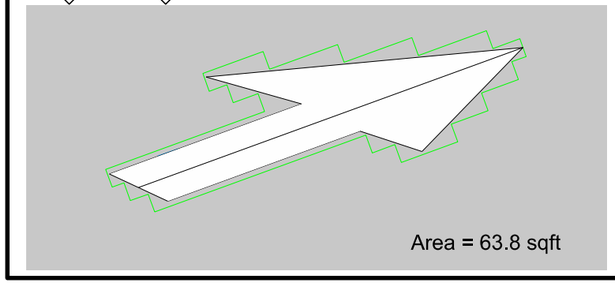
Area = 56.1 sqft

FERW FREEWAY, EXPRESSWAY AND RAMP ARROW

Area = 29.8 sqft



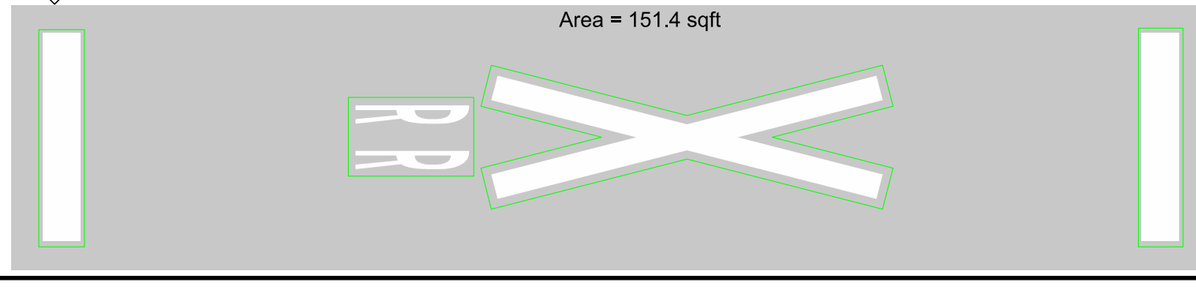
RLRW LLRW REDUCTION ARROW



Area = 63.8 sqft

RRCW RAILROAD CROSSING SYMBOL (White)

Area = 151.4 sqft



IOWA DOT

STANDARD ROAD PLAN

REVISION	
NEW	4-16-24

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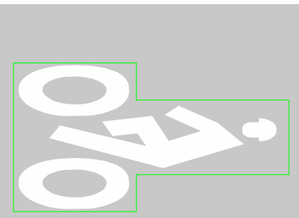
SHEET 2 of 3

REVISIONS: NEW

APPROVED BY DESIGN METHODS ENGINEER

GROOVING FOR SYMBOLS AND LEGENDS

BLSW BIKE LANE SYMBOL (White)



Area = 14.8 sqft

WCSW WHEELCHAIR SYMBOL (White)

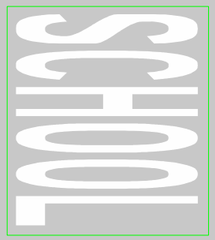
Area = 47.7 sqft

WPSB WHEELCHAIR PARKING SYMBOL (Blue)

Area = 17 sqft

(1) When placed across one lane, use the smaller dimensions shown. When placed across two lanes, use the larger dimensions shown.

SCLW SCHOOL WORD MARKING (White) (1)



Area = 78.4 sqft
or
Area = 211.2 sqft

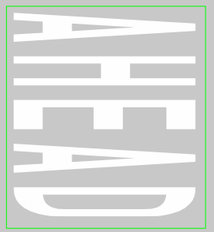
XNGW XING WORD MARKING (White)

Area = 47.6 sqft

STPW STOP WORD MARKING (White)

Area = 68.0 sqft

AHDW AHEAD WORD MARKING (White)

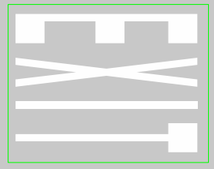


Area = 88.4 sqft

ONLW ONLY WORD MARKING (White)

Area = 49.3 sqft

XITW EXIT WORD MARKING (White)



Area = 54.4 sqft

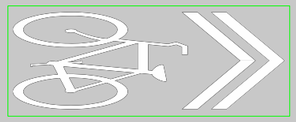
BIKW BIKE WORD MARKING (White)

Area = 12.7 sqft

LANW LANE WORD MARKING (White)

Area = 12.7 sqft

SLSW SHARED LANE SYMBOL (White)



Area = 39.5 sqft

IOWA DOT

STANDARD ROAD PLAN

REVISION
NEW 4-16-24

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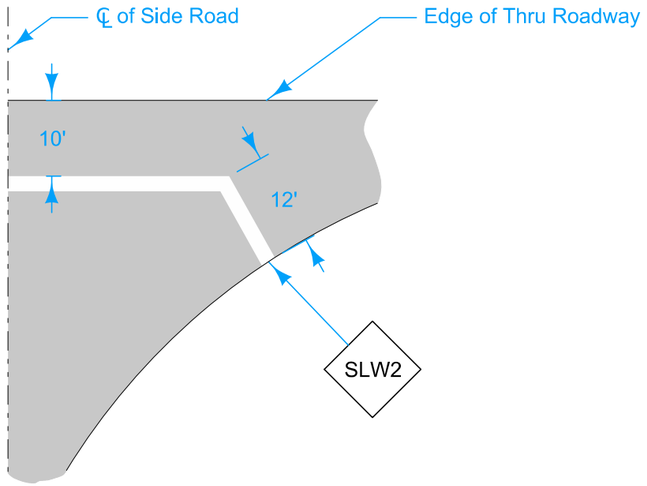
SHEET 3 of 3

REVISIONS: NEW

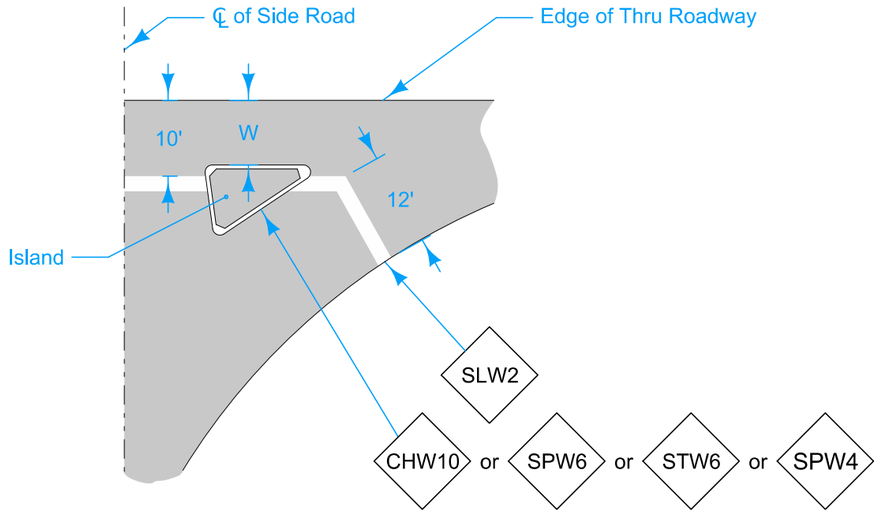
APPROVED BY DESIGN METHODS ENGINEER

GROOVING FOR SYMBOLS AND LEGENDS

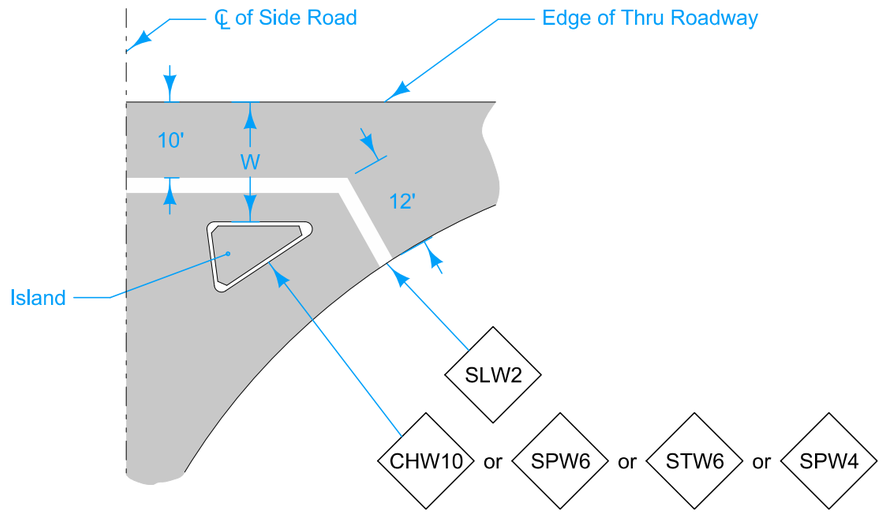
DESIGNER INFORMATION



CASE 'A'
NO ISLAND



CASE 'B'
ISLAND AND W < 10 FT.



CASE 'C'
ISLAND AND W > 10 FT.

LEGEND	
CHW10	Channelizing Line (White)
SLW2	Stop Line (White)
SPW6	Sloped Curb 6" (White)
STW6	Standard Curb 6" (White)
SPW4	Sloped Curb 4" (White)

Place Stop Line perpendicular to radius and parallel to Thru Roadway.

For line information, see PM-110.

For Island information, see PV-20.

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-22

IOWA DOT

REVISION	
4	10-15-24

STANDARD ROAD PLAN

PM-120

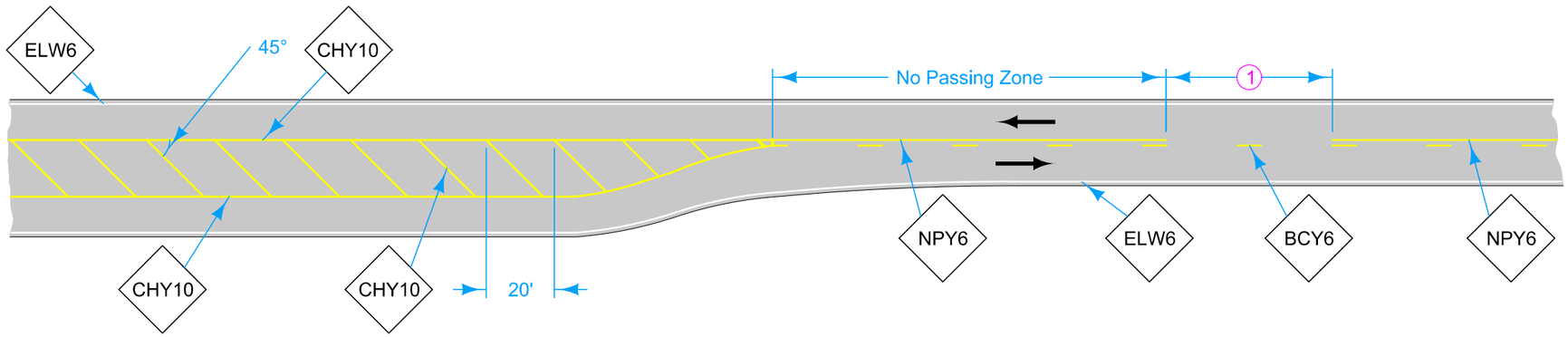
SHEET 1 of 1

REVISIONS: Modified CHW8 to CHW10.

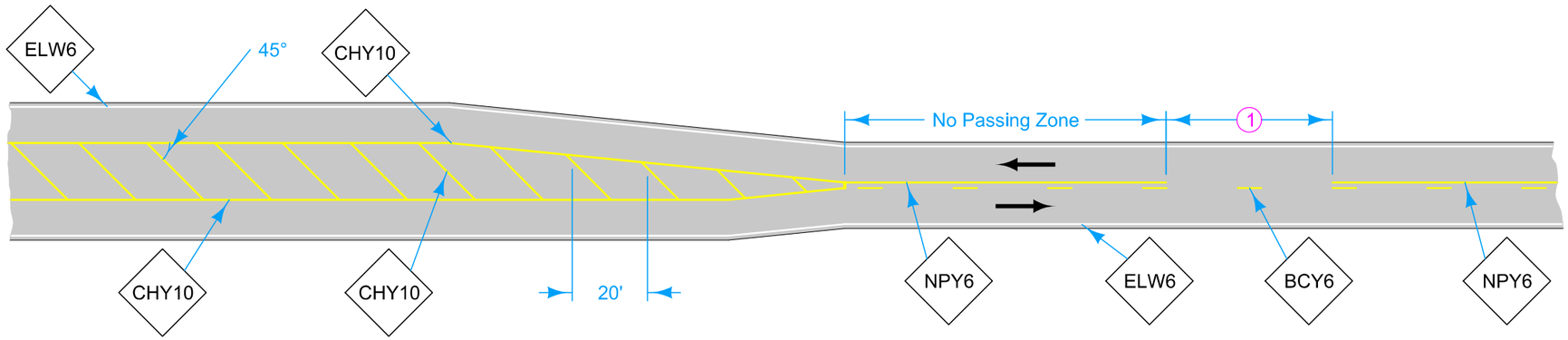
APPROVED BY DESIGN METHODS ENGINEER

STOP LINES AND ISLANDS

DESIGNER INFORMATION



OFFSET ALL TO ONE SIDE



OFFSET SPLIT BETWEEN SIDES

For line information, see PM-110.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6 → ELW4
CHY10 → CHY8
NPY6 → NPY4
BCY6 → BCY4
DCY6 → DCY4

(1) If less than 400 feet, join solid yellow lines.

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-22

FLUSH MEDIANS

Speed (mph)	Length of No Passing Zone
20	300'
25	300'
30	360'
35	360'
40	480'
45	480'
50	600'
55	600'

LEGEND

— - - —	Centerline Extension	CHY10	Channelizing Line (Yellow)
◄—	Direction of Traffic	ELW6	Edge Line Right (White)
BCY6	Broken Centerline (Yellow)	NPY6	No Passing Zone Line (Yellow)

IOWA DOT

REVISION
4 | 10-15-24

STANDARD ROAD PLAN

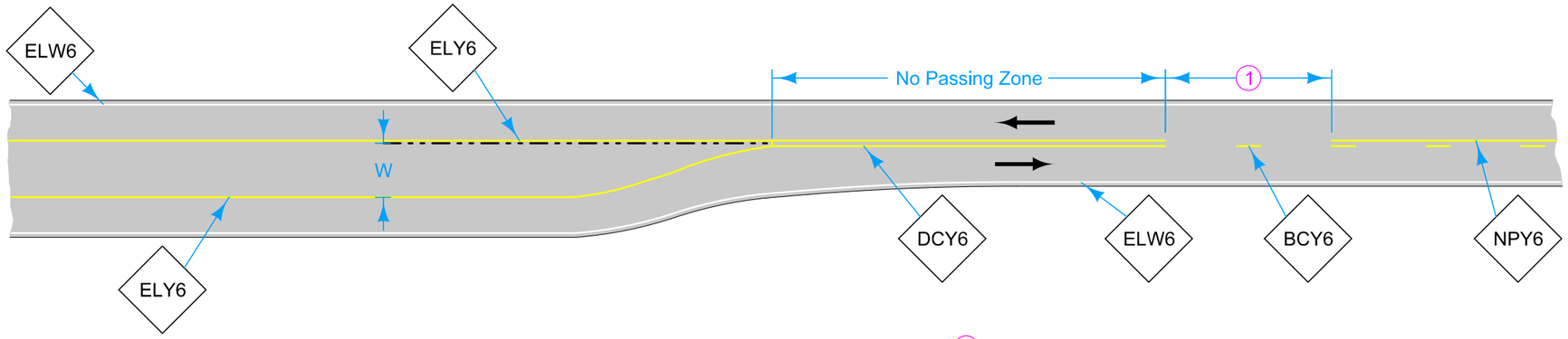
PM-210

SHEET 1 of 2

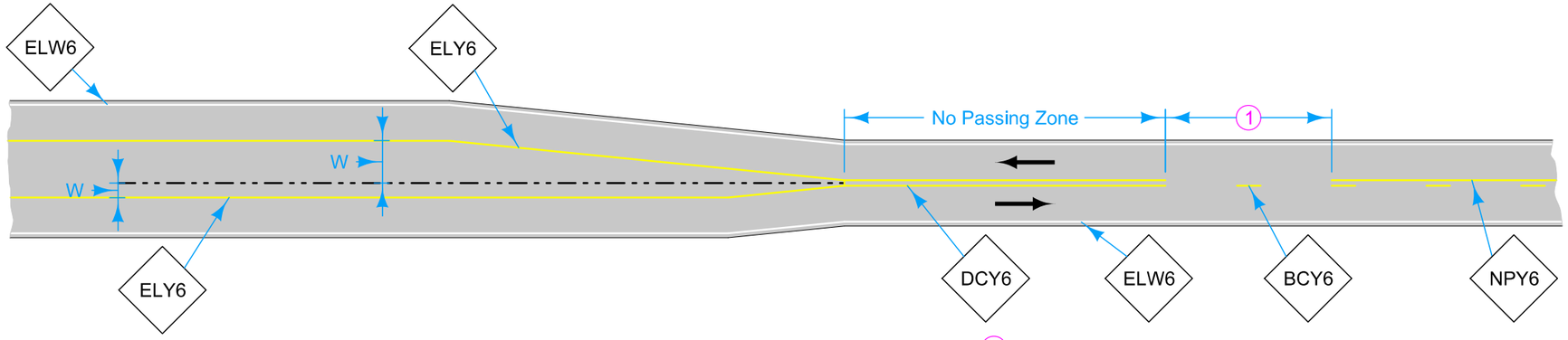
REVISIONS: Modified line widths from 4 inches and 8 inches to 6 inches and 10 inches.

APPROVED BY DESIGN METHODS ENGINEER

SEPARATION IN TWO-LANE ROADWAY



OFFSET W ALL TO ONE SIDE ②



OFFSET W SPLIT BETWEEN SIDES ②

Paint the edge line along the taper and 50 feet of the parallel curbing. If the distance between edge lines is 100 feet or less, connect them.

(1) If less than 400 feet, join solid yellow lines.

(2) The offset distance from centerline, W, can be either the entire width of the offset if the offset is all to one side, or it is the larger of the two partial offsets if the entire width of the offset is split between the two directions of traffic. Measure W from the midpoint of the centerline to the outside edge of the painted curb.

RAISED MEDIANS

LEGEND

— - - —	Centerline Extension	ELW6	Edge Line Right (White)
◄—	Direction of Traffic	NPY6	No Passing Zone Line (Yellow)
BCY6	Broken Centerline (Yellow)	ELY6	Edge Line Left (Yellow)
DCY6	Double Centerline (Yellow)		

Length of No Passing Zone						
Speed (mph)	W = offset distance from centerline					
	6'	8'	10'	12'	14'	16'
25	200	200	210	250	300	340
35	250	330	410	490	580	660
45	540	720	900	1080	1260	1440
55	660	880	1100	1320	1540	1760
65	780	1040	1300	1560	1820	2080

IOWA DOT

STANDARD ROAD PLAN

REVISION 4 10-15-24

PM-210

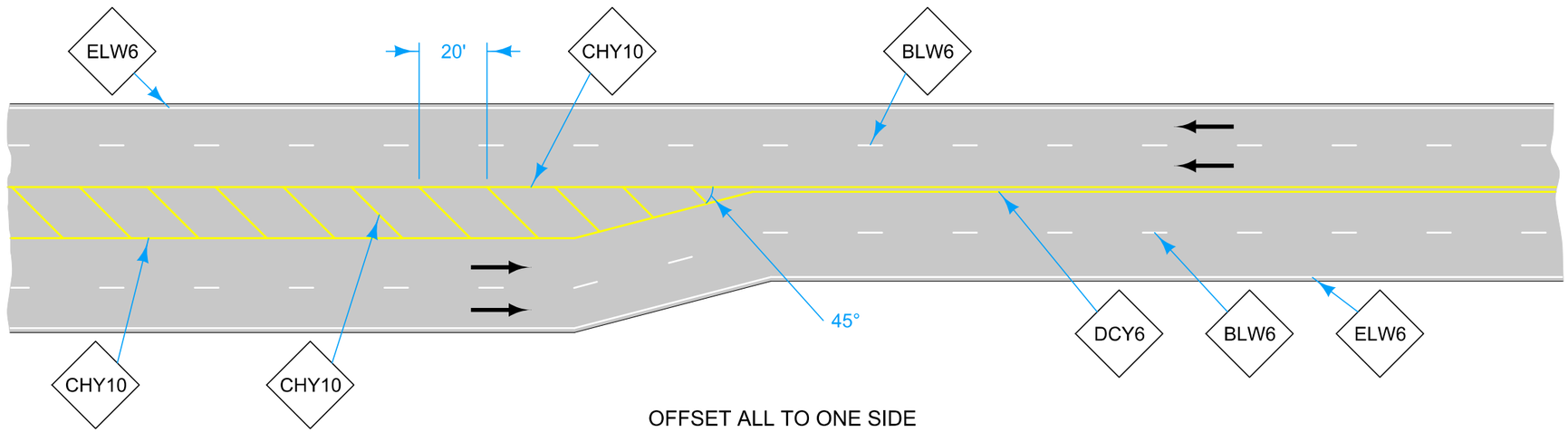
SHEET 2 of 2

REVISIONS: Modified line widths from 4 inches and 8 inches to 6 inches and 10 inches.

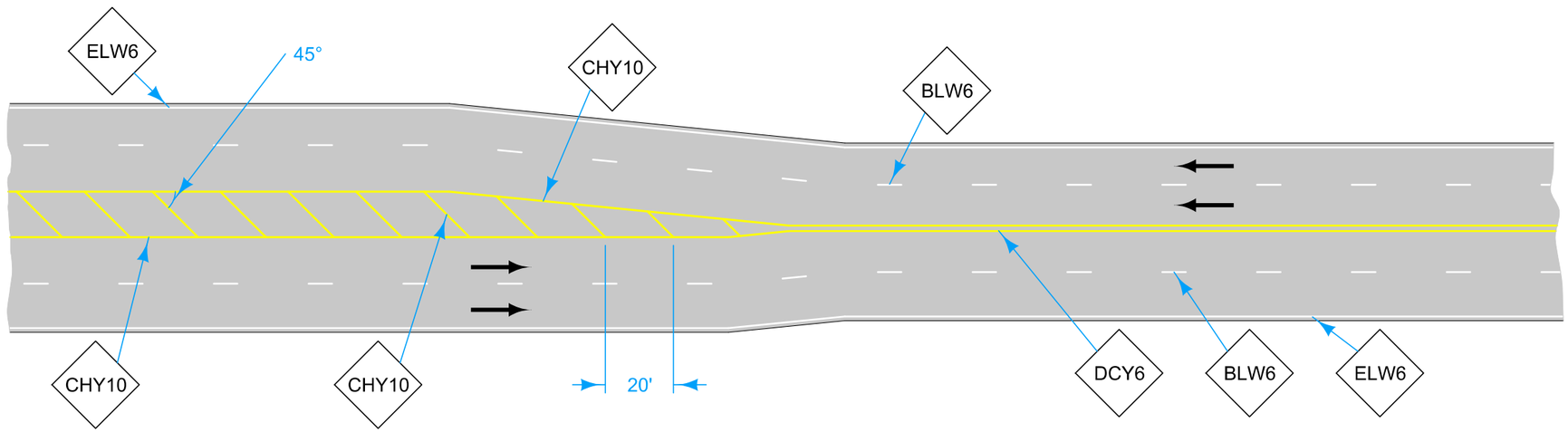
APPROVED BY DESIGN METHODS ENGINEER

SEPARATION IN TWO-LANE ROADWAY

DESIGNER INFORMATION



OFFSET ALL TO ONE SIDE



OFFSET SPLIT BETWEEN SIDES

FLUSH MEDIANS

LEGEND

←	Direction of Traffic	DCY6	Double Centerline (Yellow)
BLW6	Broken Lane Line (White)	ELW6	Edge Line Right (White)
CHY10	Channelizing Line (Yellow)		

For line information, see PM-110.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
BLW6	→	BLW4
CHY10	→	CHY8
NPY6	→	NPY4
BCY6	→	BCY4
DCY6	→	DCY4

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-22

IOWA DOT

STANDARD ROAD PLAN

REVISION	
4	10-15-24

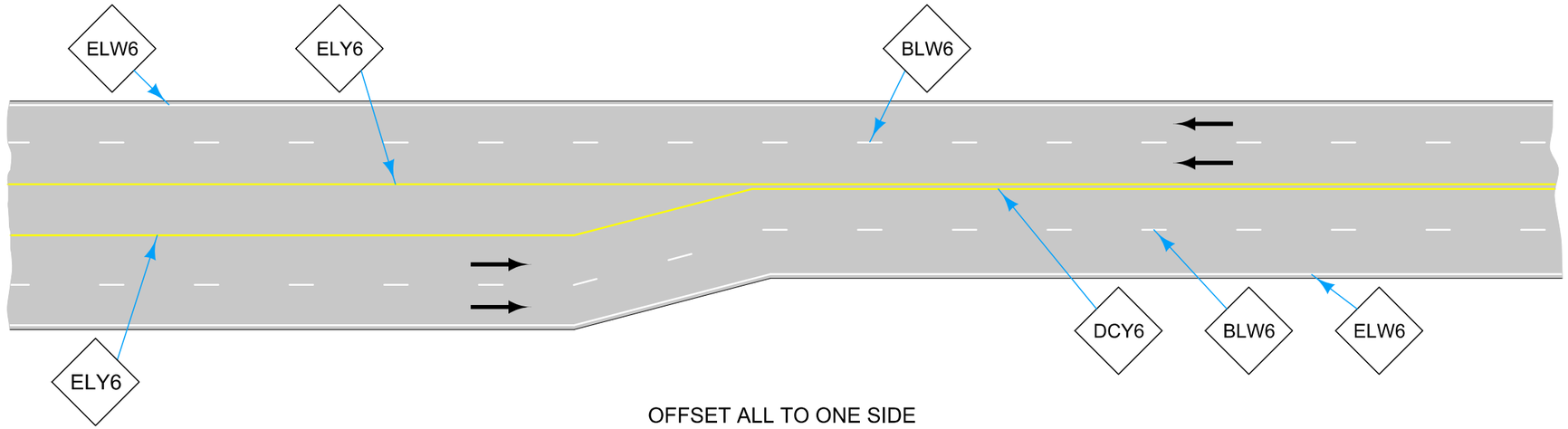
PM-211

SHEET 1 of 2

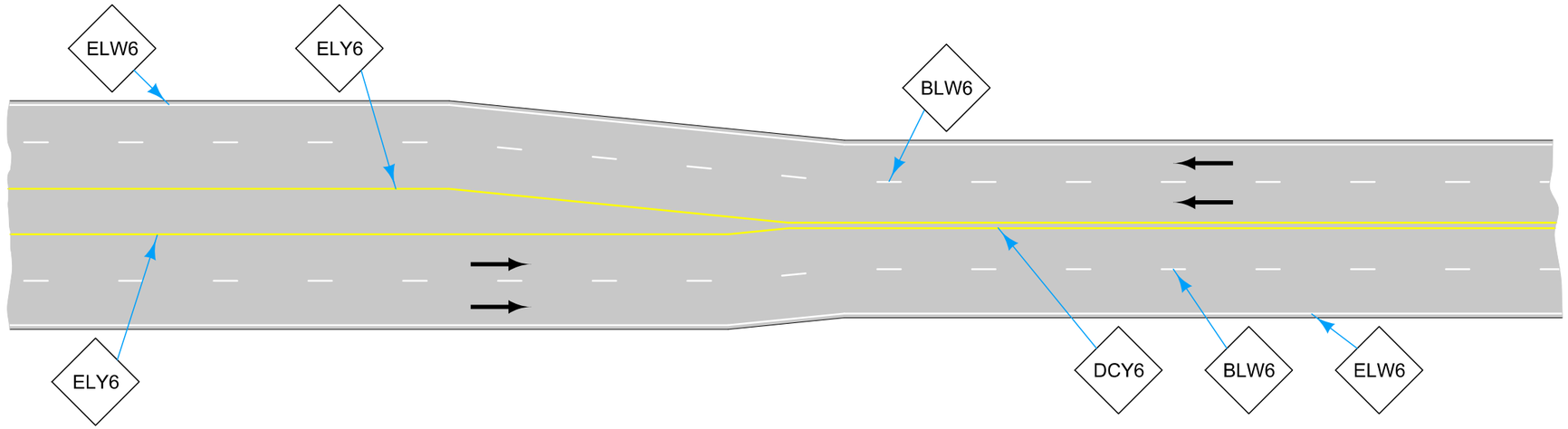
REVISIONS: Modified line widths from 4 inches and 8 inches to 6 inches and 10 inches.

APPROVED BY DESIGN METHODS ENGINEER

SEPARATION IN FOUR-LANE ROADWAY



OFFSET ALL TO ONE SIDE



OFFSET SPLIT BETWEEN SIDES

RAISED MEDIANS

LEGEND

←	Direction of Traffic	ELW6	Edge Line Right (White)
BLW6	Broken Lane Line (White)	ELY6	Edge Line Left (Yellow)
DCY6	Double Centerline (Yellow)		

Paint the edge line along the taper and 50 feet of the parallel curbing. If the distance between edge lines is 100 feet or less, connect them.

IOWA DOT

STANDARD ROAD PLAN

REVISION 4 10-15-24

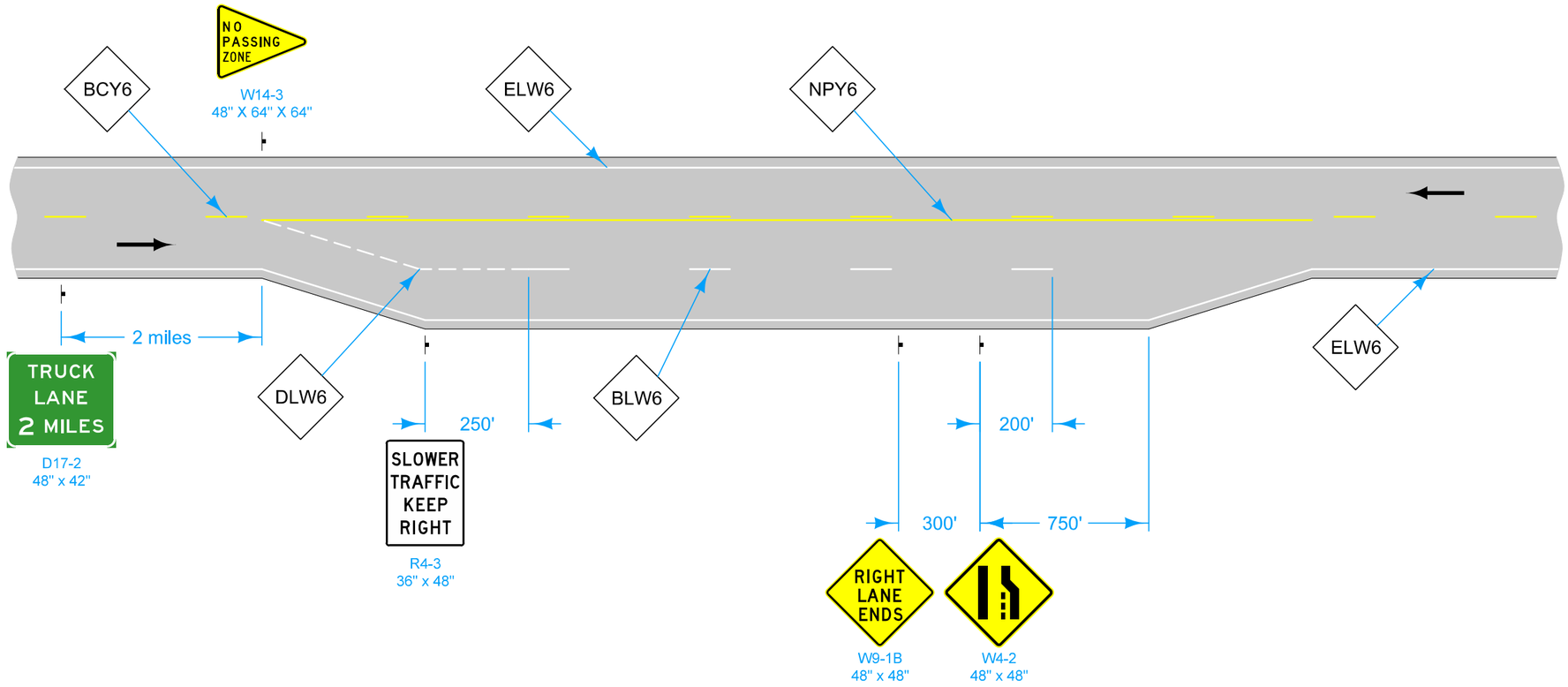
PM-211

SHEET 2 of 2

REVISIONS: Modified line widths from 4 inches and 8 inches to 6 inches and 10 inches.

APPROVED BY DESIGN METHODS ENGINEER

SEPARATION IN FOUR-LANE ROADWAY



For line information, see PM-110.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
NPY6	→	NPY4
BCY6	→	BCY4
DLW6	→	DLW4
BLW6	→	BLW4

LEGEND

←	Direction of Traffic	ELW6	Edge Line Right (White)
BCY6	Broken Centerline (Yellow)	DLW6	Dotted Line (White)
BLW6	Broken Lane Line (White)	NPY6	No Passing Zone Line (Yellow)

Possible Contract Item:
- Pavement Marking Line Items
- Type 'A' Signs

Possible Tabulation:
108-22

IOWA DOT

REVISION
2 | 10-15-24

STANDARD ROAD PLAN

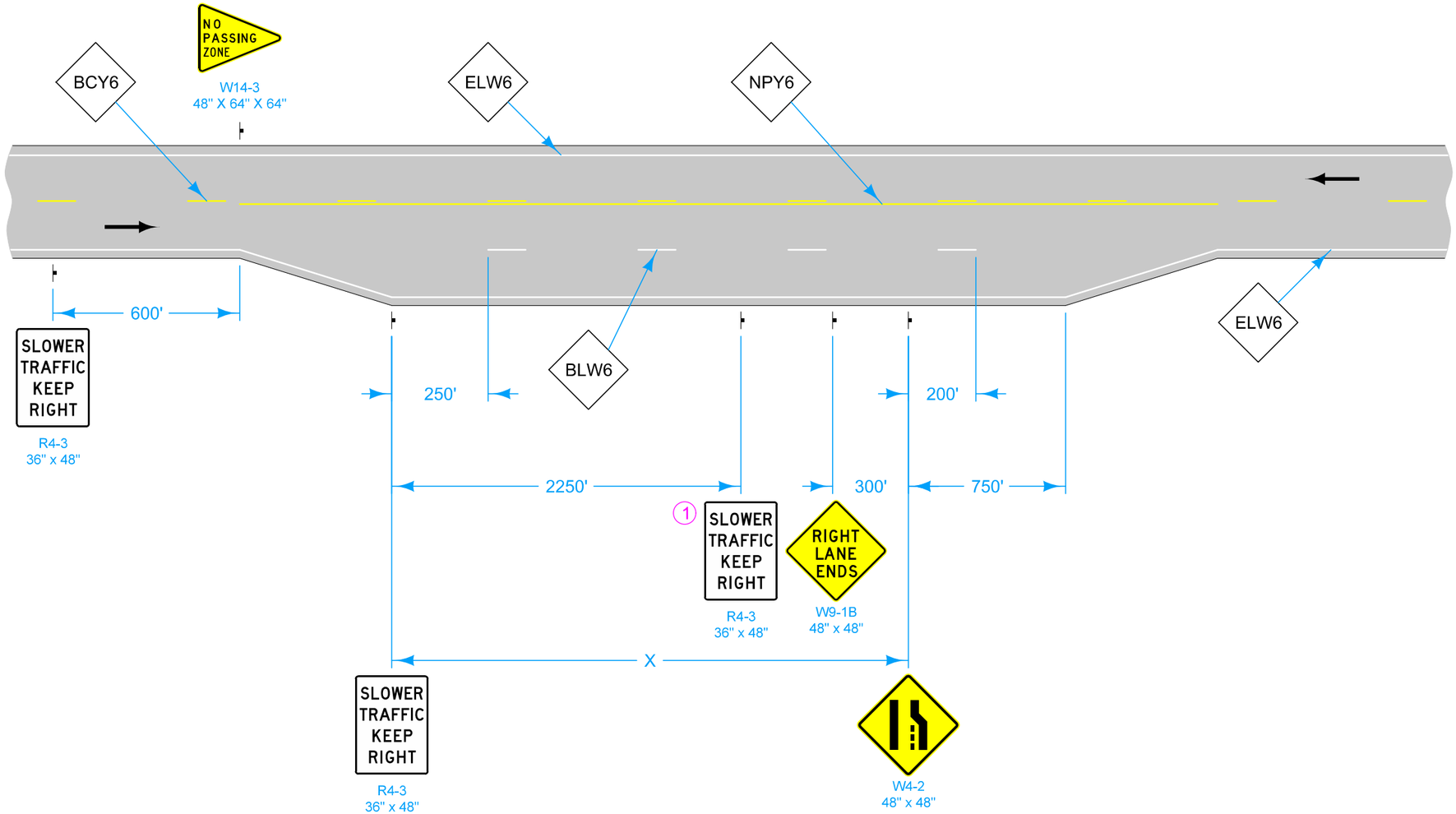
PM-220

SHEET 1 of 1

REVISIONS: Modified Line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

PASSING LANE



For line information, see PM-110.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
NPY6	→	NPY4
BCY6	→	BCY4
BLW6	→	BLW4

(1) If distance X is less than 3000 feet, omit last R4-3 sign. If distance X is greater than 5250 feet, place R4-3 signs at 2250 foot intervals.

LEGEND

←	Direction of Traffic	ELW6	Edge Line Right (White)
BCY6	Broken Centerline (Yellow)	NPY6	No Passing Zone Line (Yellow)
BLW6	Broken Lane Line (White)		

Possible Contract Item:
Pavement Marking Line Items
Type 'A' Signs

Possible Tabulation:
108-22

IOWA DOT

STANDARD ROAD PLAN

REVISION 2 10-15-24

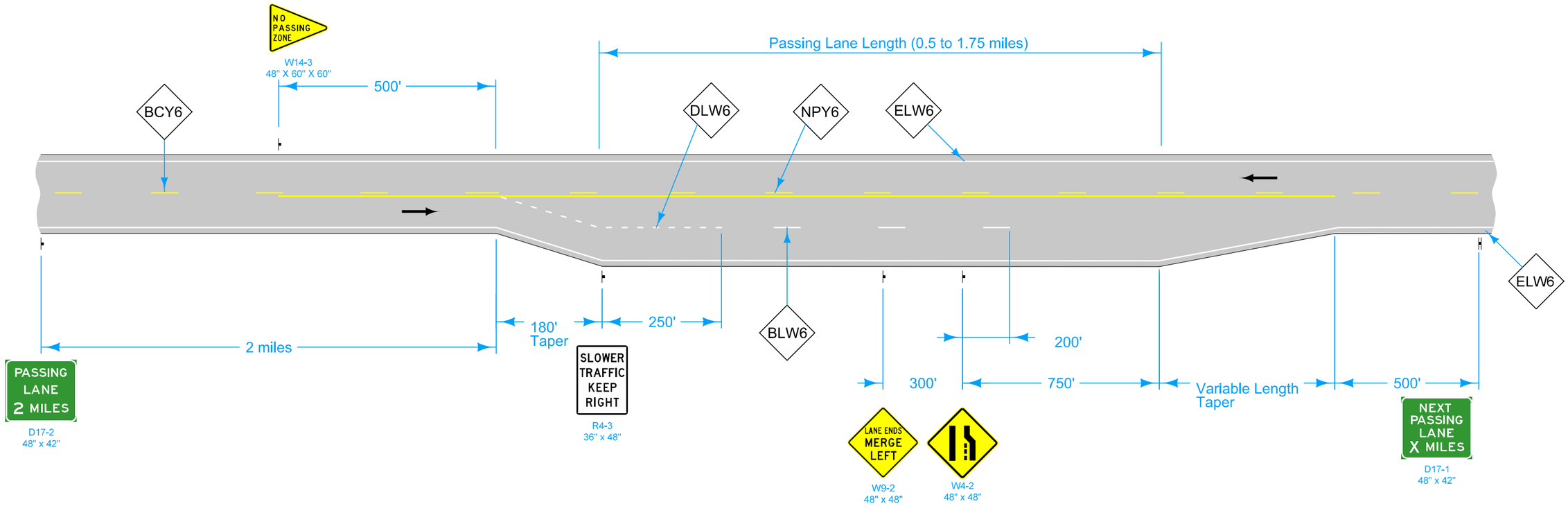
PM-221

SHEET 1 of 1

REVISIONS: Modifed line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

CLIMBING LANE



PASSING LANE

Possible Contract Items:
- Pavement Marking Line Items
- Pavement Marking Symbol and Legend Items
- Type 'A' Signs

Possible Tabulations:
- 108-22
- 108-29

See PM-110 for line information.

See PM-111 for symbol and legend information.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
BLW6	→	BLW4
CHY10	→	CHY8
CHW10	→	CHW8
NPY6	→	NPY4
BCY6	→	BCY4
DCY6	→	DCY4
DLW6	→	DLW4
SLW6	→	SLW4

LEGEND

←	Direction of Traffic	ELW6	Edge Line Right (White)
BCY6	Broken Centerline (Yellow)	DLW6	Dotted Line (White)
BLW6	Broken Lane Line (White)	NPY6	No Passing Zone Line (Yellow)

IOWA DOT

STANDARD ROAD PLAN

REVISION 1 10-15-24

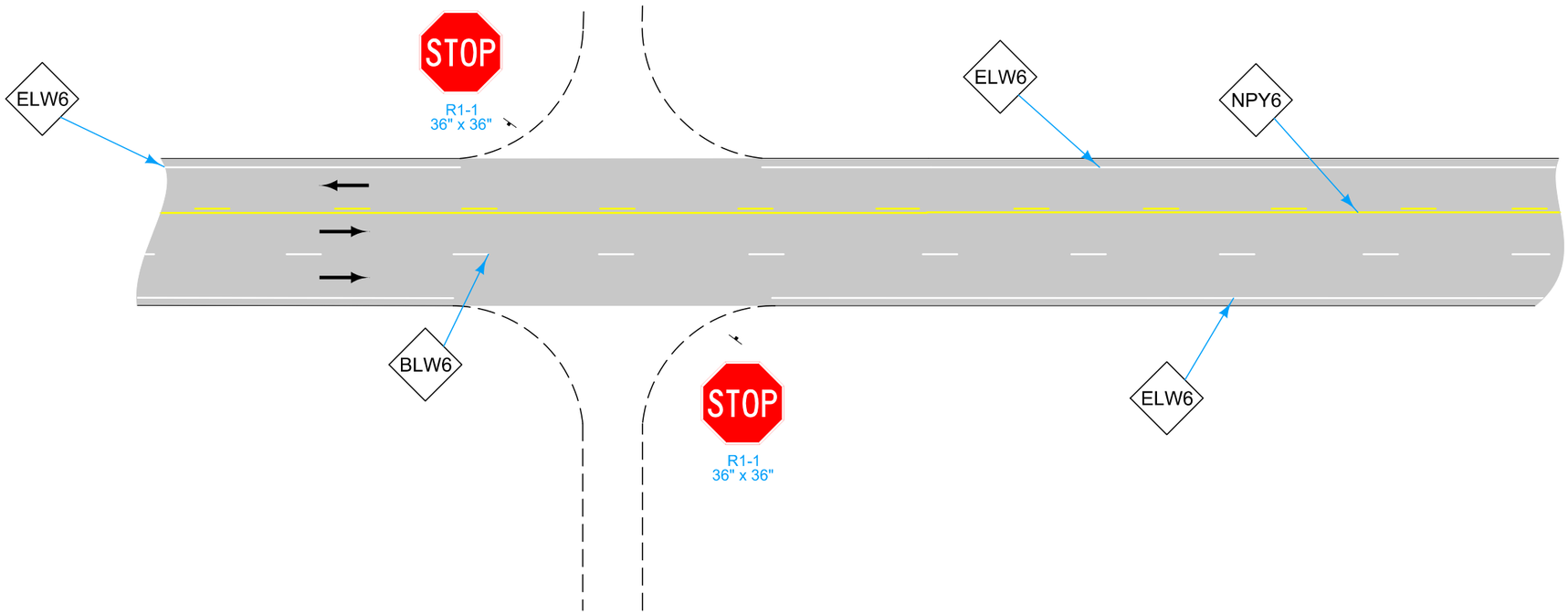
PM-222

SHEET 1 of 4

REVISIONS: Modified line widths from 4 inches and 8 inches to 6 inches and 10 inches.

APPROVED BY DESIGN METHODS ENGINEER

PASSING LANE (SUPER TWO HIGHWAY)



UNPAVED INTERSECTION

LEGEND

←	Direction of Traffic	ELW6	Edge Line Right (White)
BCY6	Broken Centerline (Yellow)	DLW6	Dotted Line (White)
BLW6	Broken Lane Line (White)	NPY6	No Passing Zone Line (Yellow)

IOWA DOT

STANDARD ROAD PLAN

REVISION 1 10-15-24

PM-222

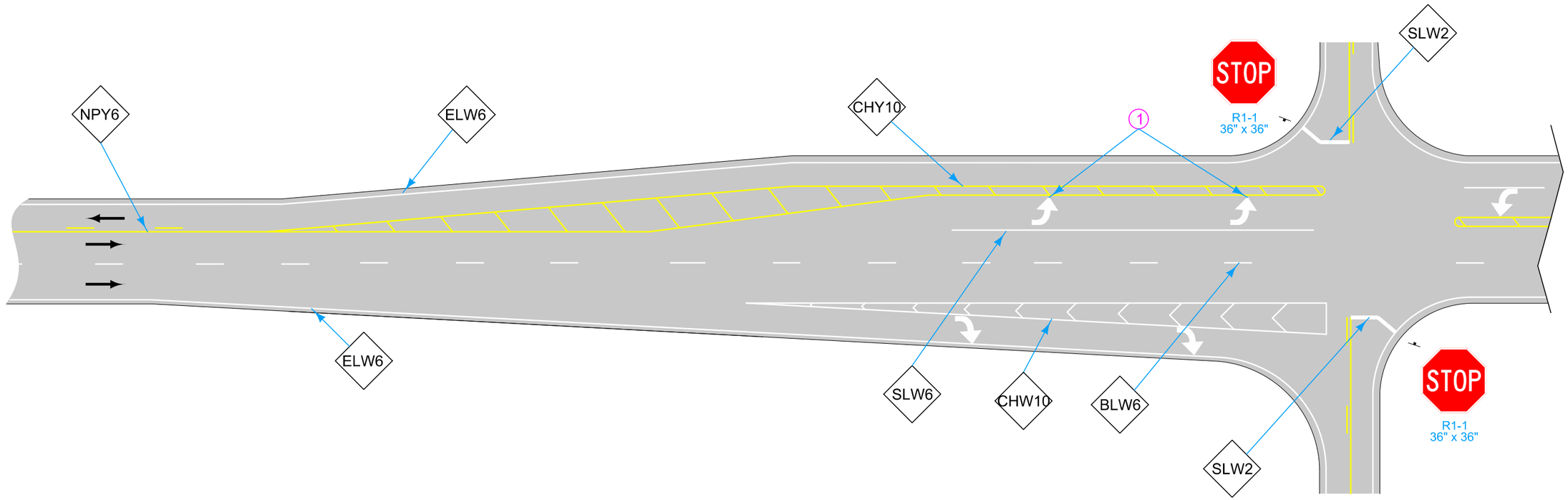
SHEET 2 of 4

REVISIONS: Modified line widths from 4 inches and 8 inches to 6 inches and 10 inches.

APPROVED BY DESIGN METHODS ENGINEER

PASSING LANE
(SUPER TWO HIGHWAY)

(1) Symbol and Legend (when listed in 108-29).



PAVED INTERSECTION

LEGEND			
←	Direction of Traffic	ELW6	Edge Line Right (White)
BCY6	Broken Centerline (Yellow)	DLW6	Dotted Line (White)
BLW6	Broken Lane Line (White)	NPY6	No Passing Zone Line (Yellow)
CHW10	Channelizing Line (White)	CHY10	Channelizing Line (Yellow)
SLW6	Solid Lane Line (White)	SLW2	Stop Line (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION
1 | 10-15-24

PM-222

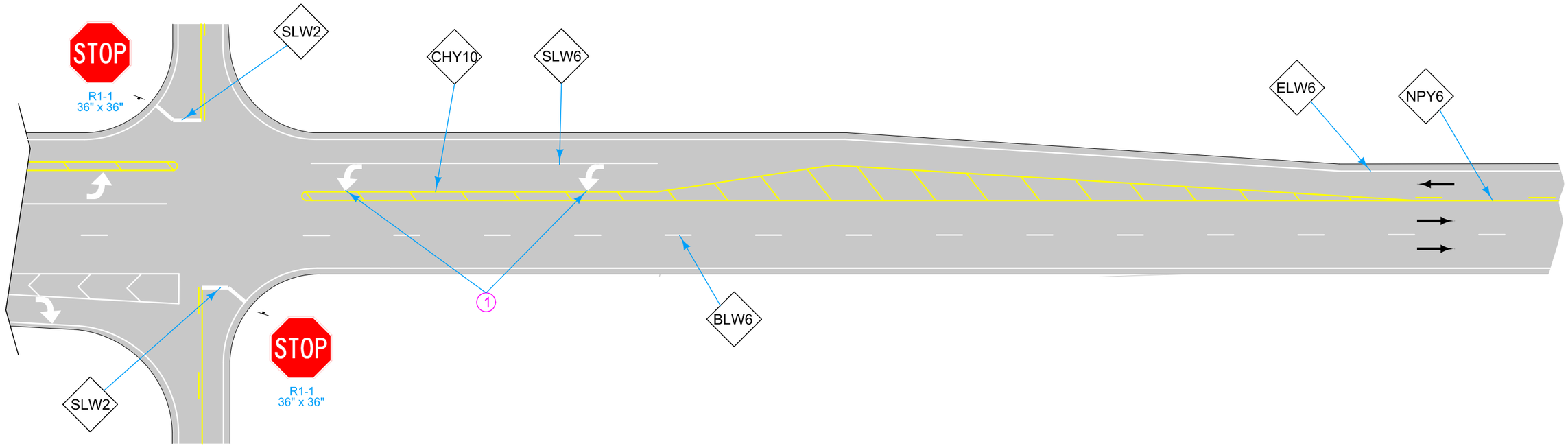
SHEET 3 of 4

REVISIONS: Modified line widths from 4 inches and 8 inches to 6 inches and 10 inches.

APPROVED BY DESIGN METHODS ENGINEER

PASSING LANE
(SUPER TWO HIGHWAY)

(1) Symbol and Legend (when listed in 108-29).



PAVED INTERSECTION

LEGEND			
←	Direction of Traffic	ELW6	Edge Line Right (White)
BCY6	Broken Centerline (Yellow)	DLW6	Dotted Line (White)
BLW6	Broken Lane Line (White)	NPY6	No Passing Zone Line (Yellow)
CHW10	Channelizing Line (White)	CHY10	Channelizing Line (Yellow)
SLW6	Solid Lane Line (White)	SLW2	Stop Line (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION	
1	10-15-24

PM-222

SHEET 4 of 4

REVISIONS: Modified line widths from 4 inches and 8 inches to 6 inches and 10 inches.

APPROVED BY DESIGN METHODS ENGINEER

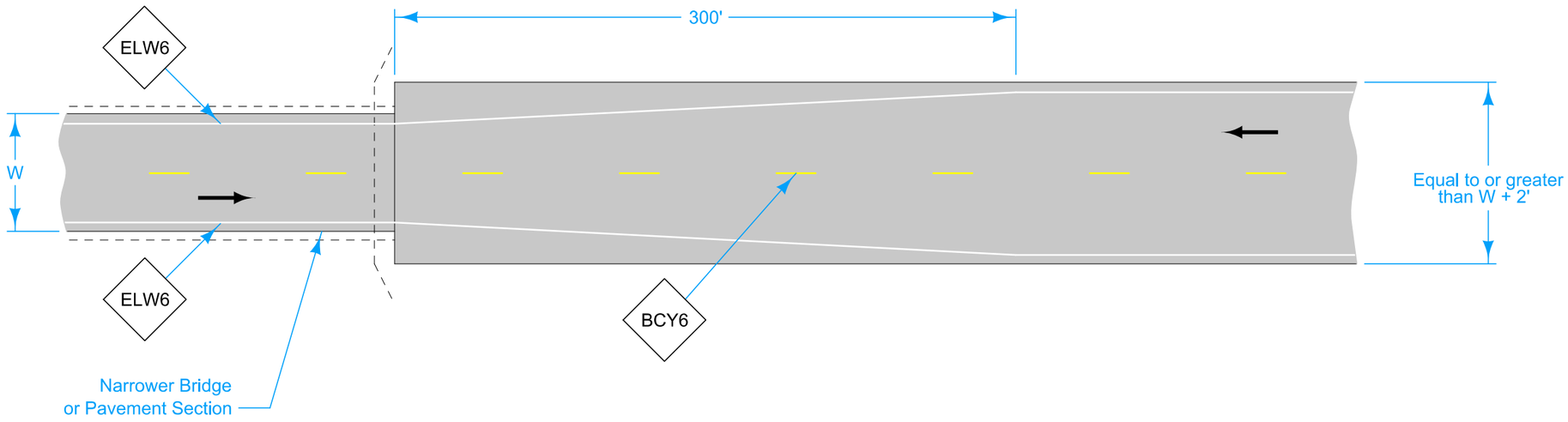
PASSING LANE
(SUPER TWO HIGHWAY)

For line information, see PM-110.

On the approach to a narrower bridge or pavement section, place edge lines on a diagonal from a point 300 feet from the bridge to the gutter line of the bridge.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
BCY6	→	BCY4



LEGEND

←	Direction of Traffic
BCY6	Broken Centerline (Yellow)
ELW6	Edge Line Right (White)

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-22

IOWA DOT

STANDARD ROAD PLAN

REVISION	
2	10-15-24

PM-230

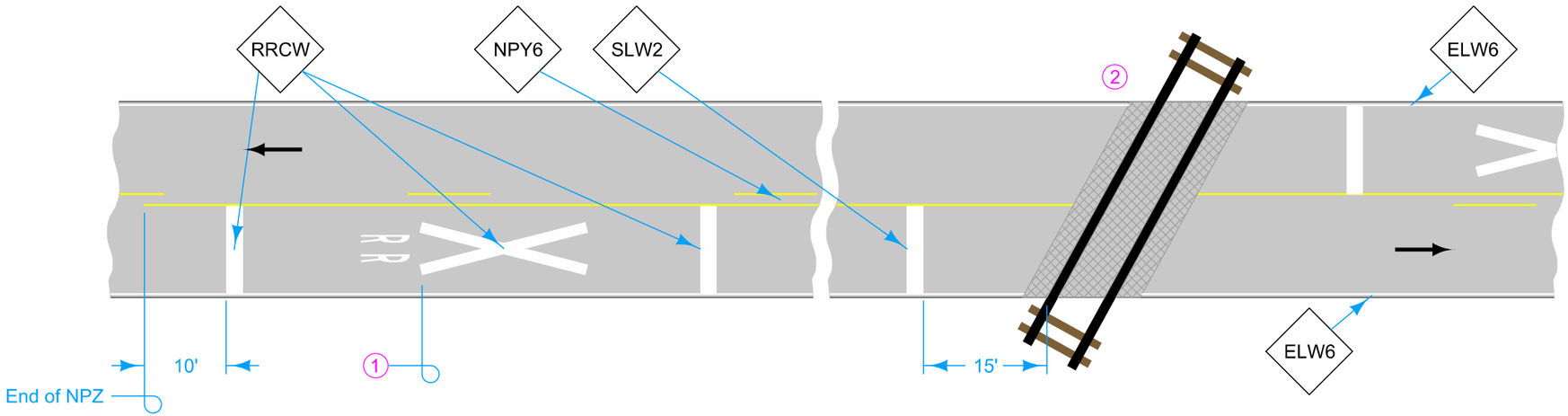
SHEET 1 of 1

REVISIONS: Modified line widths from 4 inches to 6 inches.

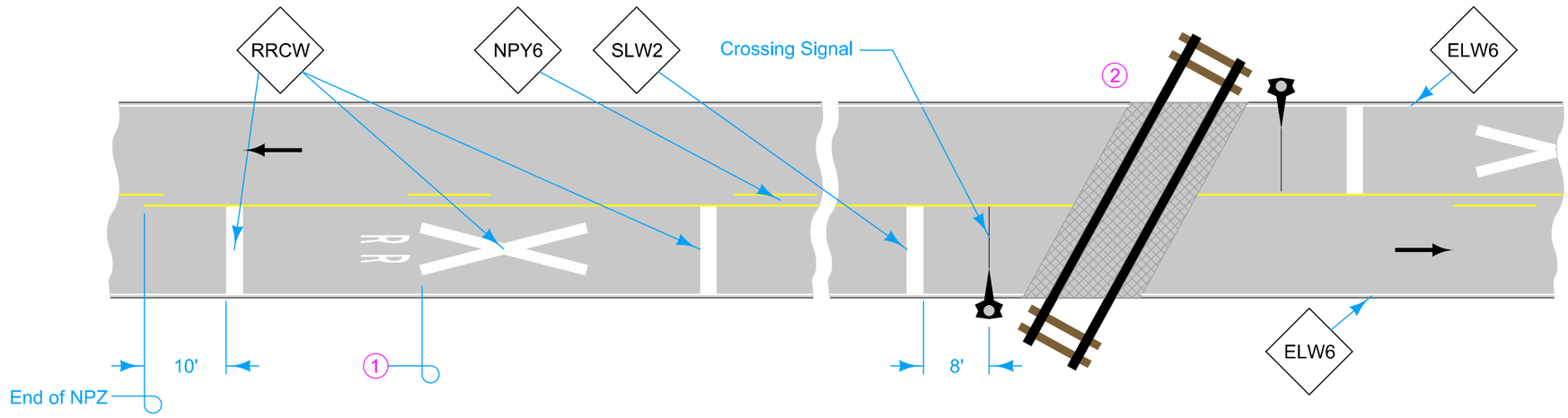
APPROVED BY DESIGN METHODS ENGINEER

TRANSITION AT ABRUPT CHANGES IN PAVEMENT WIDTH

DESIGNER INFORMATION



CROSSING WITH CROSSBUCK



CROSSING WITH CROSSING SIGNAL

For line information, see PM-110.

For symbol and legend information, see PM-111.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
NPY6	→	NPY4

(1) Location of Grade Crossing Advance Warning sign (W10-1). See SI-241.

(2) Do not place pavement markings on Railroad Panel.

Possible Contract Items:
- Pavement Marking Line Items
- Pavement Marking Symbol and Legend Items

Possible Tabulations:
- 108-22
- 108-29

LEGEND

←	Direction of Traffic	RRCW	Railroad Crossing Symbol (White)
ELW6	Edge Line Right (White)	SLW2	Stop Line (White)
NPY6	No Passing Zone Line (Yellow)		Railroad Panel

IOWA DOT

STANDARD ROAD PLAN

REVISION	
4	10-15-24

PM-240

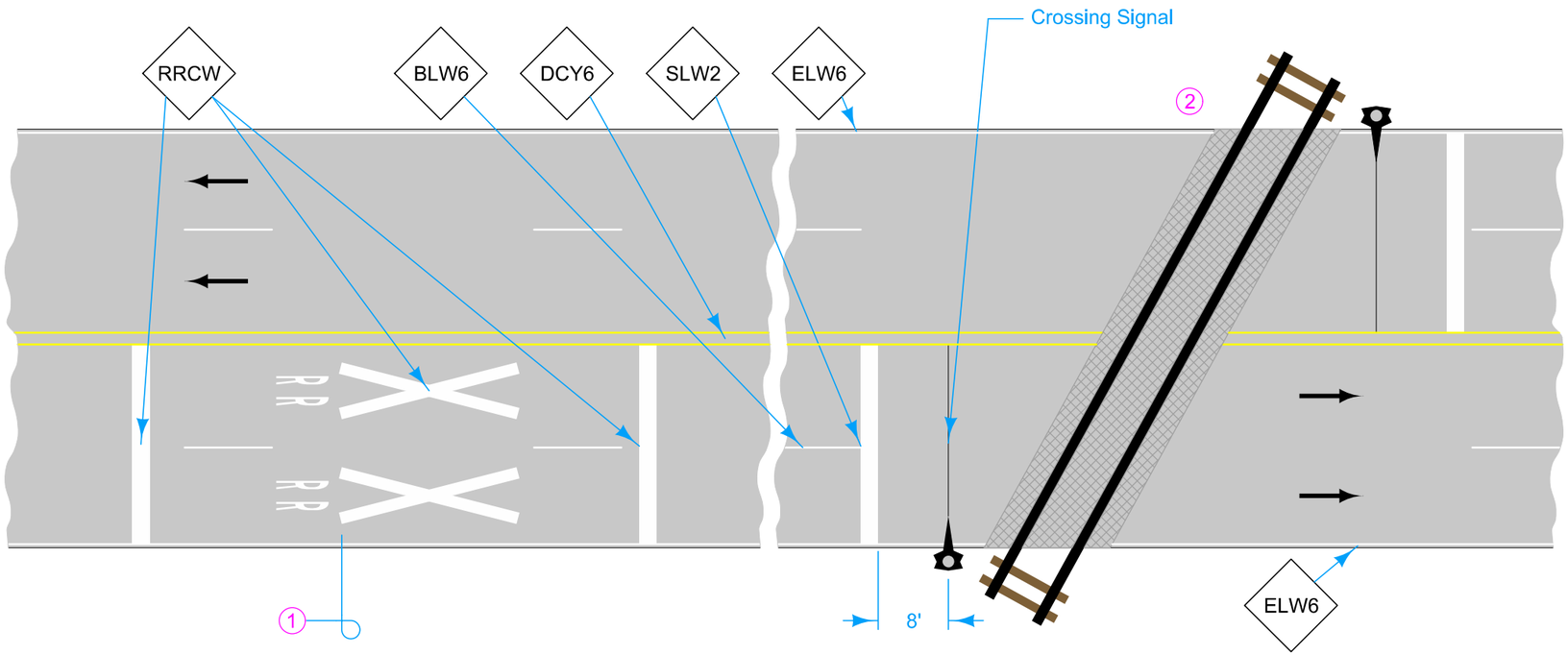
SHEET 1 of 1

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

RAILROAD CROSSING ON TWO-LANE ROADWAY

DESIGNER INFORMATION



CROSSING WITH CROSSING SIGNAL

For line information, see PM-110.

For symbol and legend information, see PM-111.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

BLW6	→	BLW4
DCY6	→	DCY4
ELW6	→	ELW4

(1) Location of Grade Crossing Advance Warning sign (W10-1). See SI-241.

(2) Do not place pavement marking on Railroad Panel.

LEGEND

←	Direction of Traffic	ELW6	Edge Line Right (White)
BLW6	Broken Lane Line (White)	RRCW	Railroad Crossing Symbol (White)
DCY6	Double Center Line (Yellow)	SLW2	Stop Line (White)
			Railroad Panel

Possible Contract Items:
- Pavement Marking Line Items
- Pavement Marking Symbol and Legend Items

Possible Tabulations:
- 108-22
- 108-29

IOWA DOT

STANDARD ROAD PLAN

REVISION	
4	10-15-24

PM-242

SHEET 1 of 1

REVISIONS: Modified line widths from 4 inches to 6 inches.

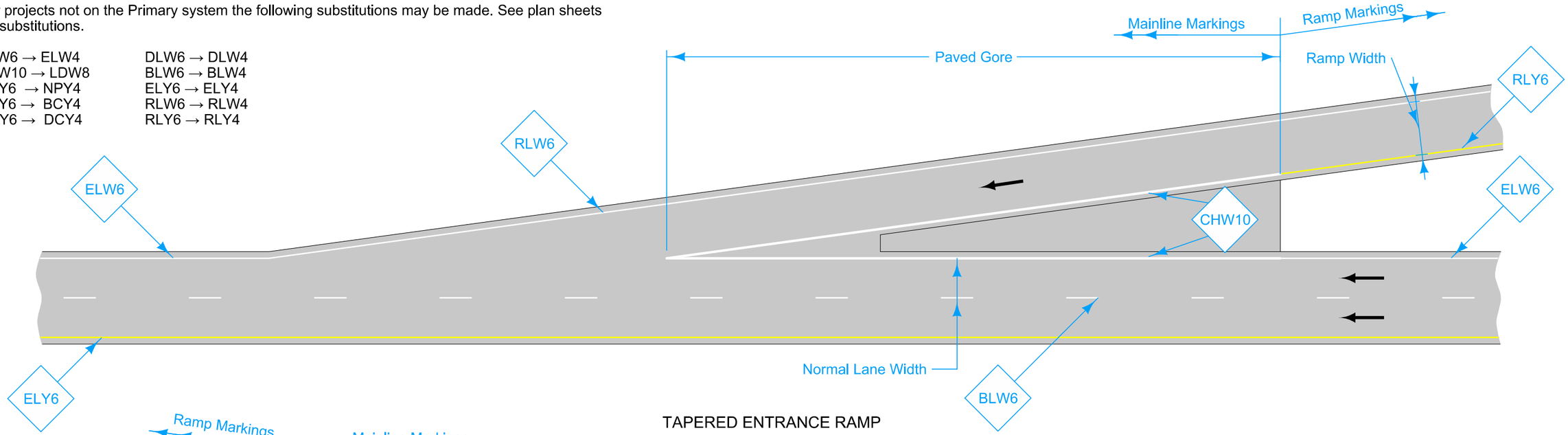
APPROVED BY DESIGN METHODS ENGINEER

RAILROAD CROSSING ON FOUR-LANE ROADWAY

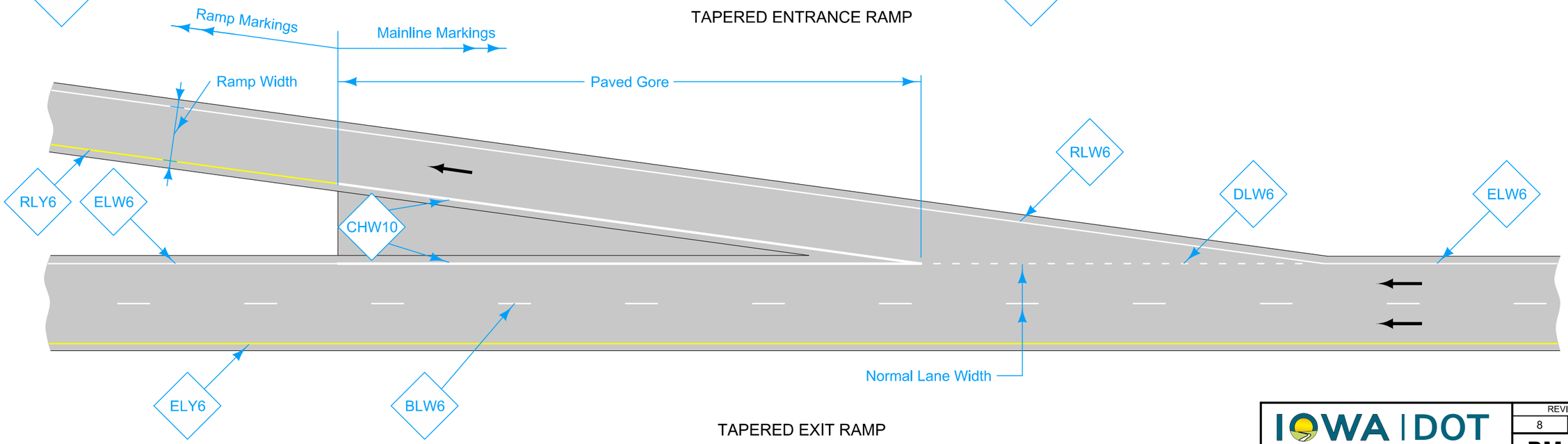
DESIGNER INFORMATION

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6 → ELW4	DLW6 → DLW4
LDW10 → LDW8	BLW6 → BLW4
NPY6 → NPY4	ELY6 → ELY4
BCY6 → BCY4	RLW6 → RLW4
DCY6 → DCY4	RLY6 → RLY4



TAPERED ENTRANCE RAMP



TAPERED EXIT RAMP

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLW6	Broken Lane Line (White)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

For line information, see PM-110.

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-22

IOWA DOT

STANDARD ROAD PLAN

REVISION	
8	04-15-25

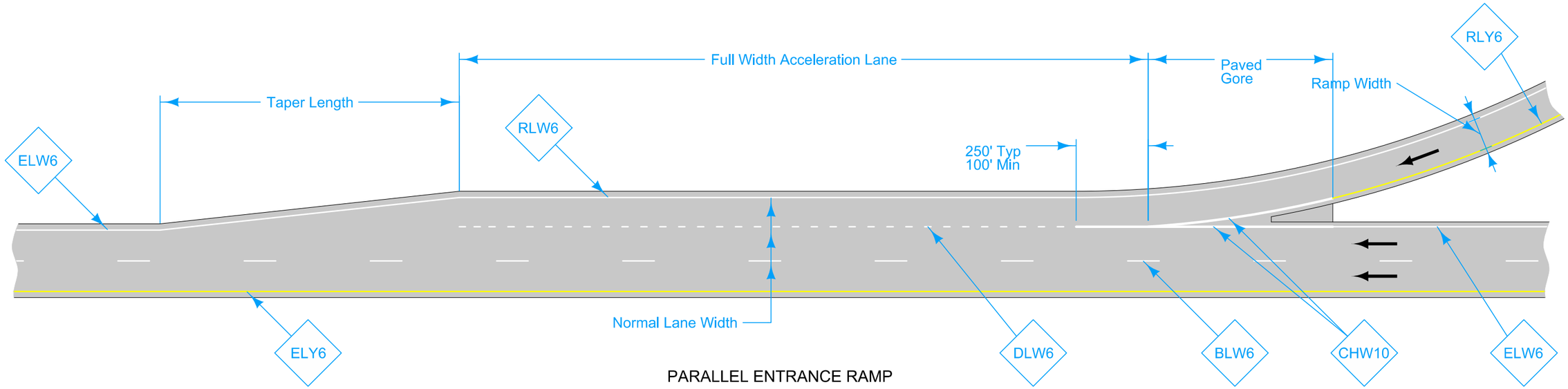
PM-310

SHEET 1 of 7

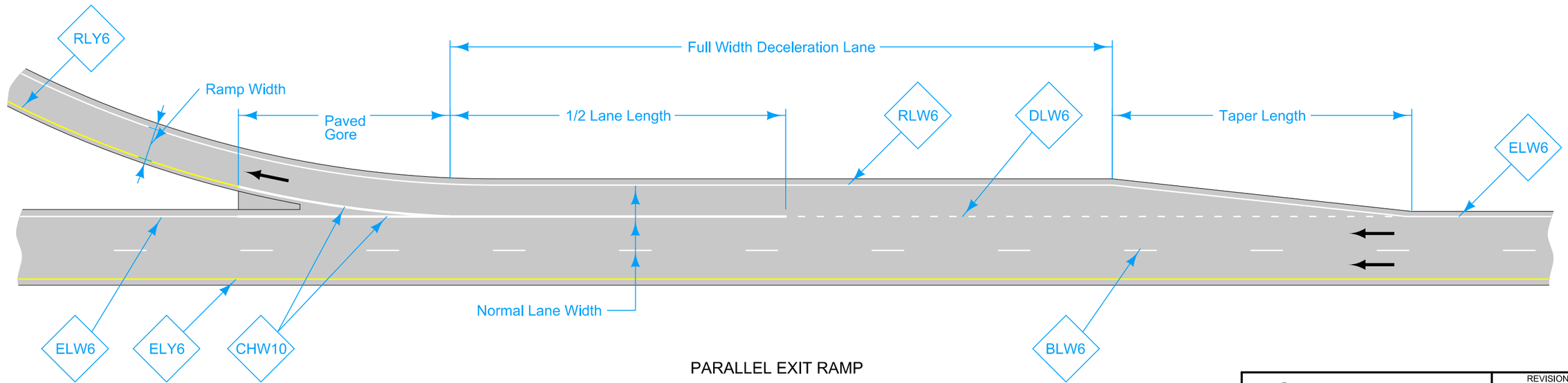
REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(Waterborne Pavement Markings)



PARALLEL ENTRANCE RAMP



PARALLEL EXIT RAMP

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLW6	Broken Lane Line (White)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION 8 04-15-25

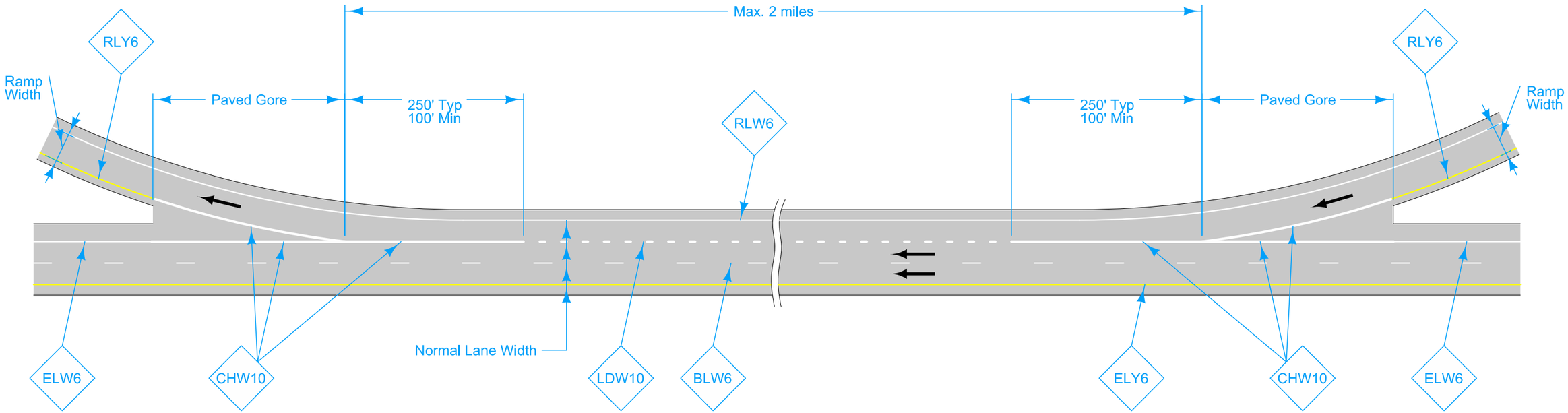
PM-310

SHEET 2 of 7

REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(Waterborne Pavement Markings)



AUXILIARY LANE BETWEEN RAMPS

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLW6	Broken Lane Line (White)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION 8 04-15-25

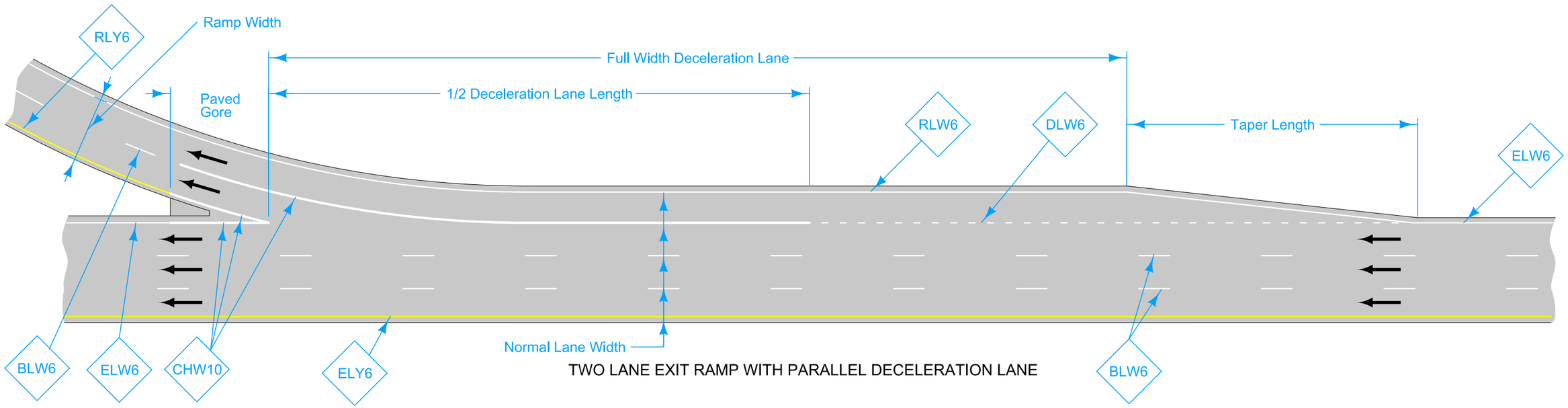
PM-310

SHEET 3 of 7

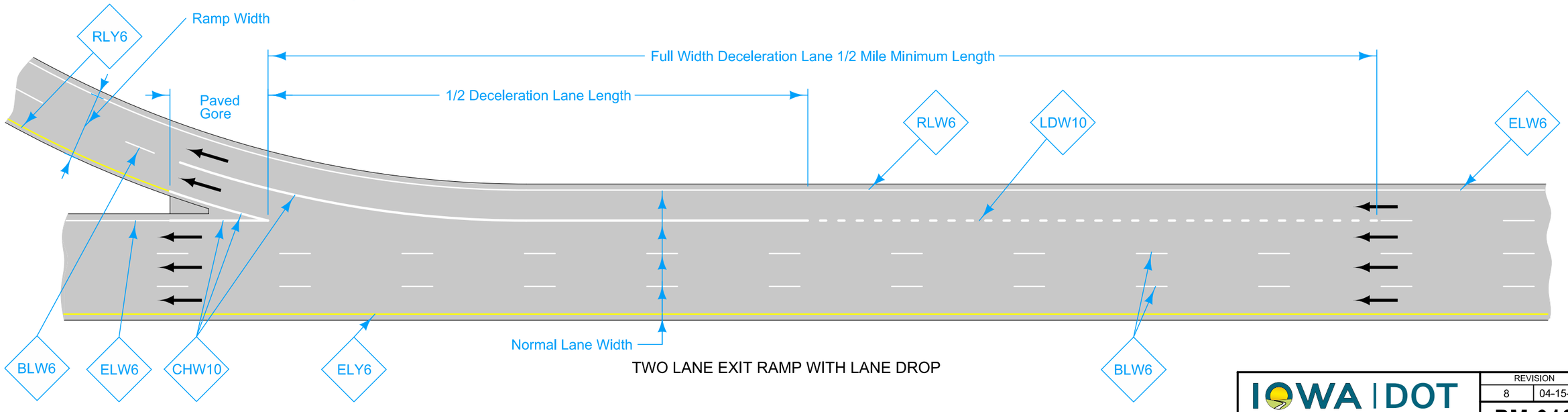
REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(**W**aterborne Pavement Markings)



TWO LANE EXIT RAMP WITH PARALLEL DECELERATION LANE



TWO LANE EXIT RAMP WITH LANE DROP

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLW6	Broken Lane Line (White)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION	
8	04-15-25

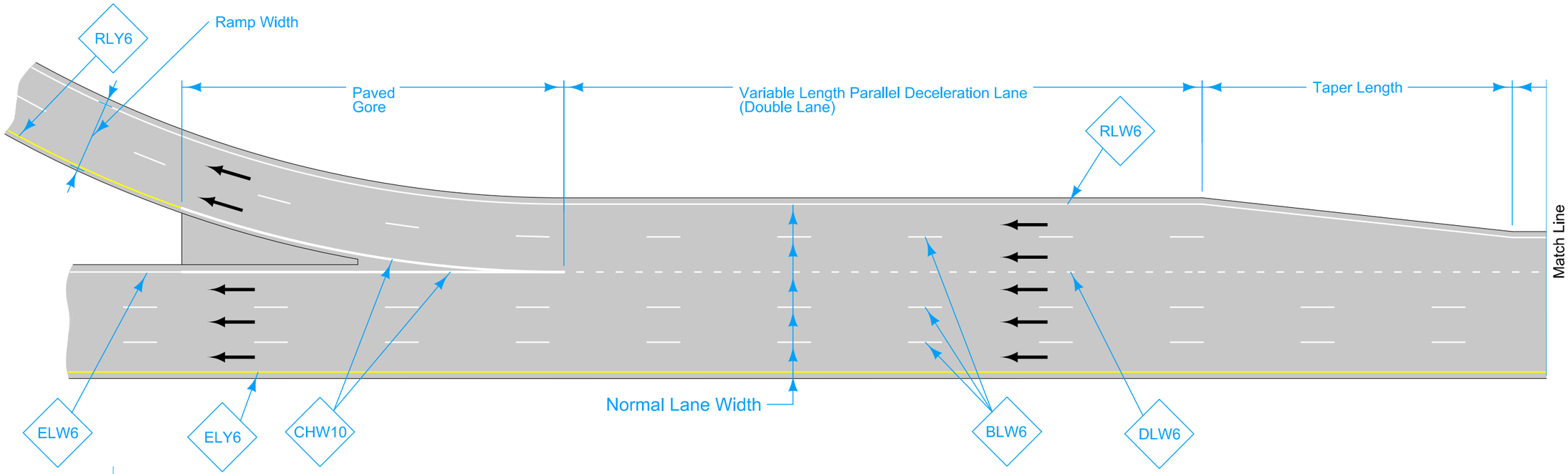
PM-310

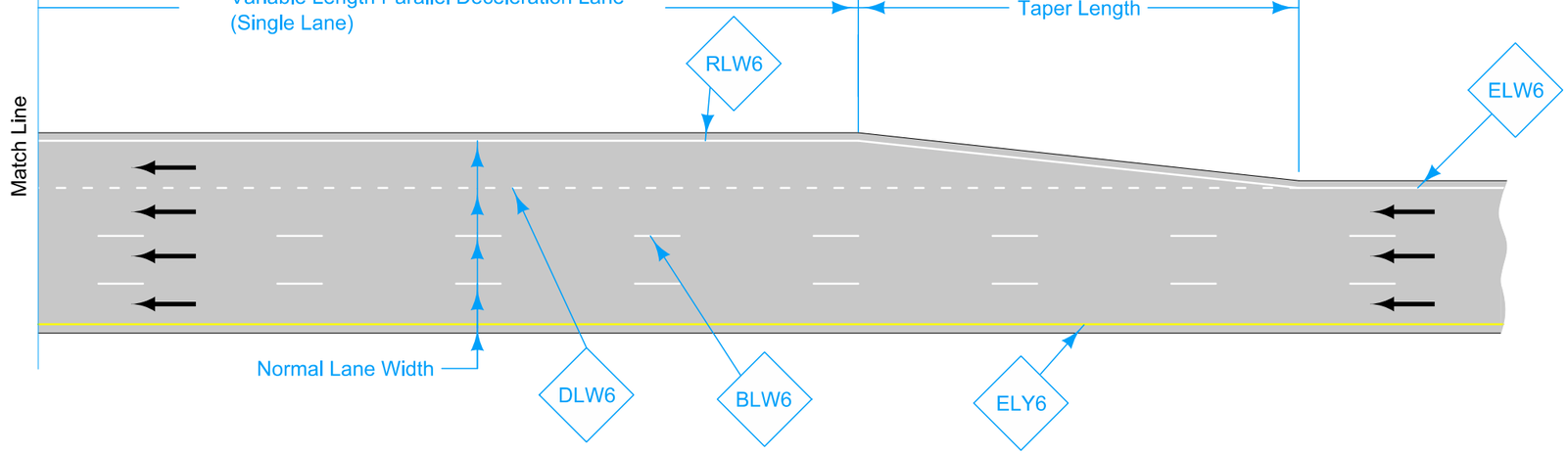
SHEET 4 of 7

REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(Waterborne Pavement Markings)





TWO LANE EXIT RAMP WITH DOUBLE PARALLEL DECELERATION LANE

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLW6	Broken Lane Line (White)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION 8 04-15-25

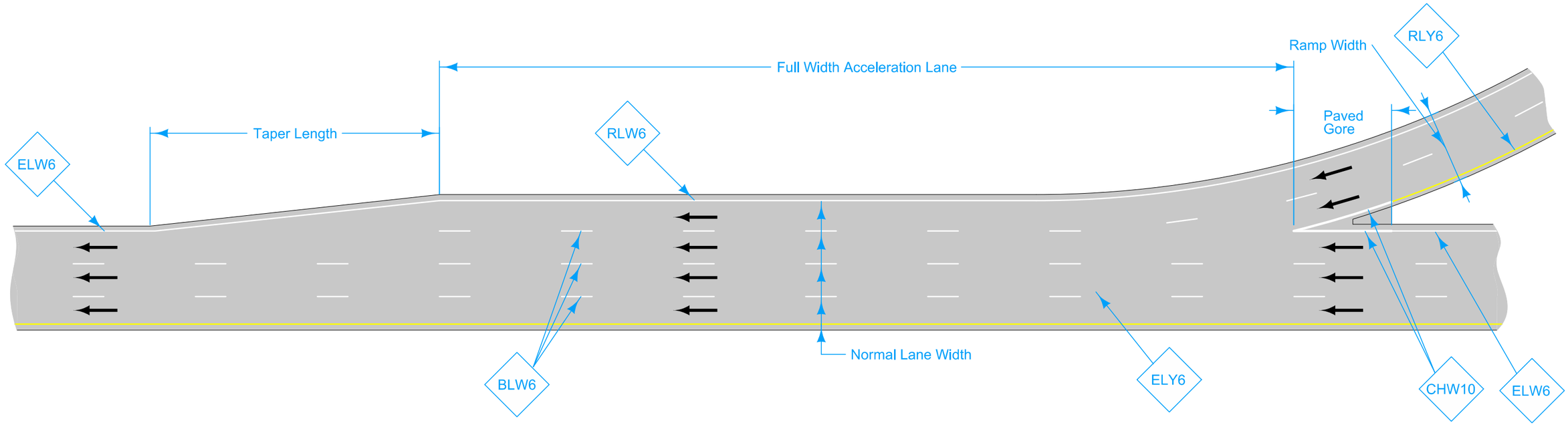
PM-310

SHEET 5 of 7

REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(Waterborne Pavement Markings)



TWO LANE ENTRANCE RAMP WITH SINGLE PARALLEL ACCELERATION LANE

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLW6	Broken Lane Line (White)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION	
8	04-15-25

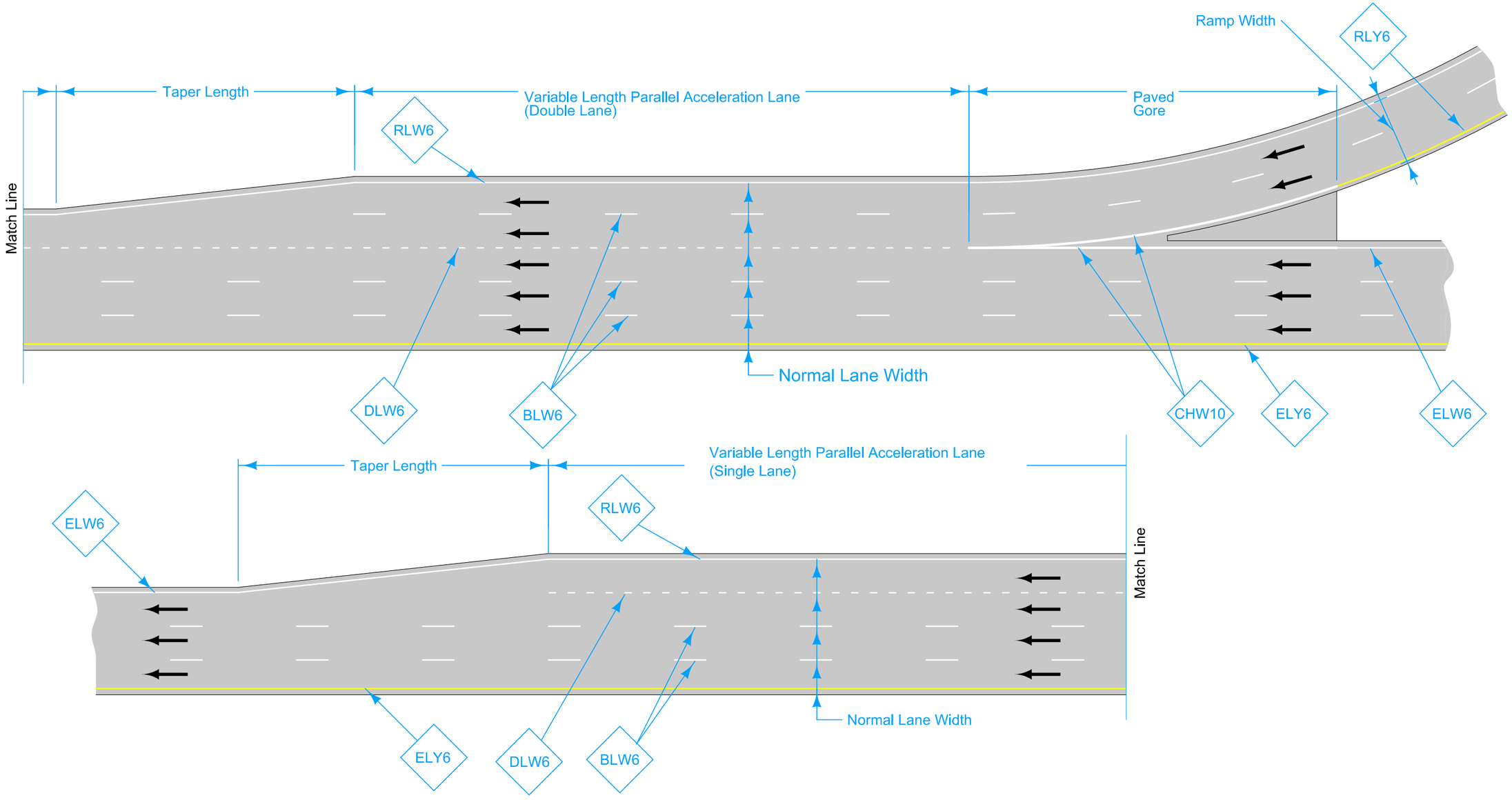
PM-310

SHEET 6 of 7

REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(**W**aterborne Pavement Markings)



TWO LANE ENTRANCE RAMP WITH DOUBLE PARALLEL ACCELERATION LANE

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLW6	Broken Lane Line (White)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION	
8	04-15-25

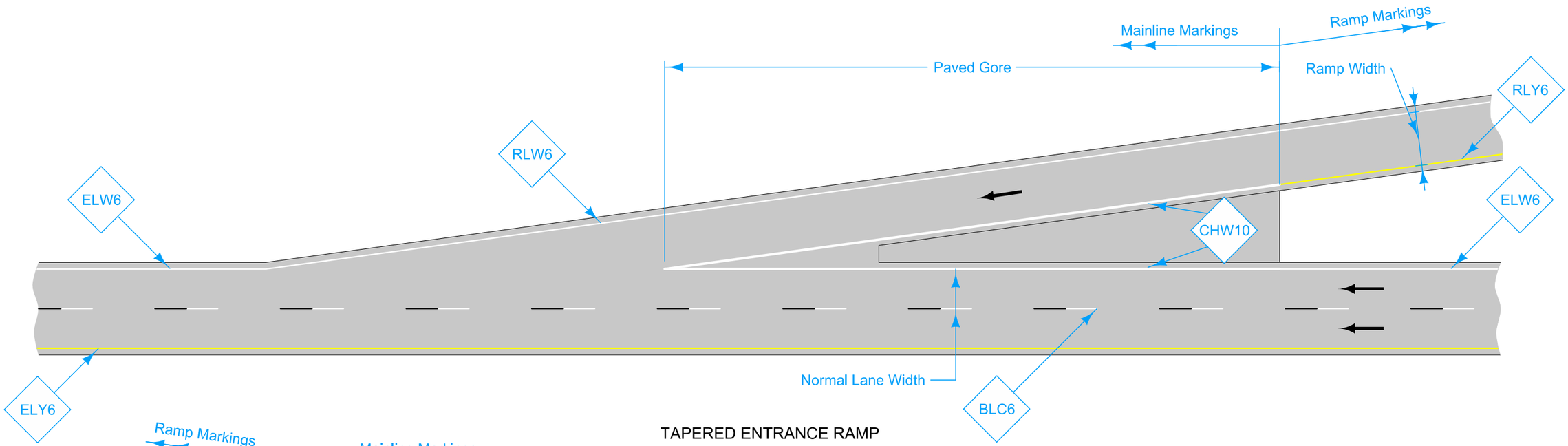
PM-310

SHEET 7 of 7

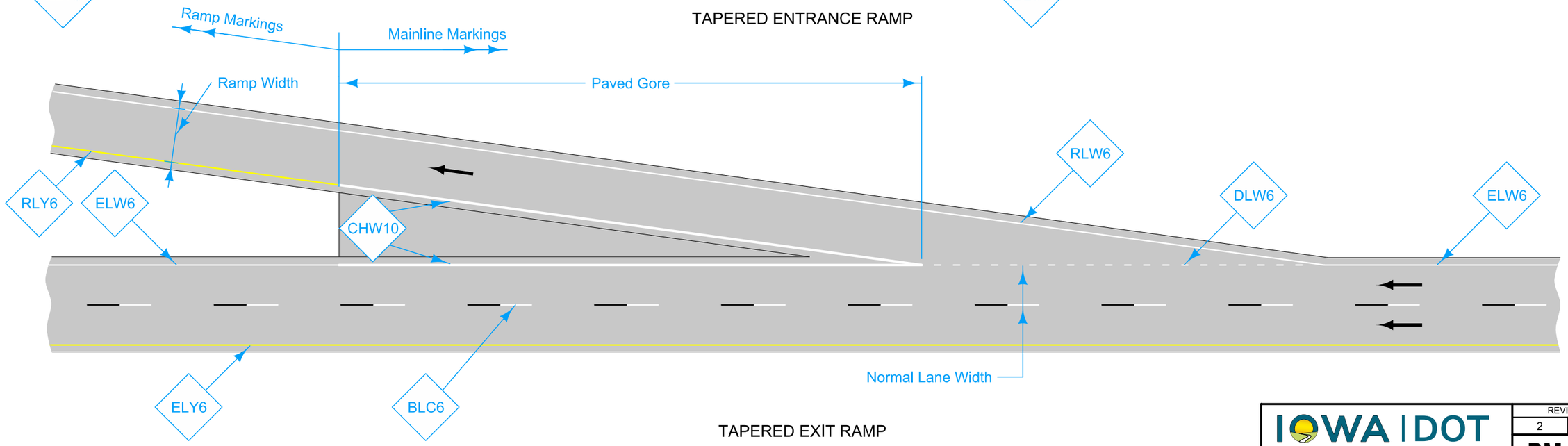
REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(**W**aterborne Pavement Markings)



TAPERED ENTRANCE RAMP



TAPERED EXIT RAMP

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLC6	Broken Lane Line (White/Black)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

For line information, see PM-110.

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-22

IOWA DOT
STANDARD ROAD PLAN

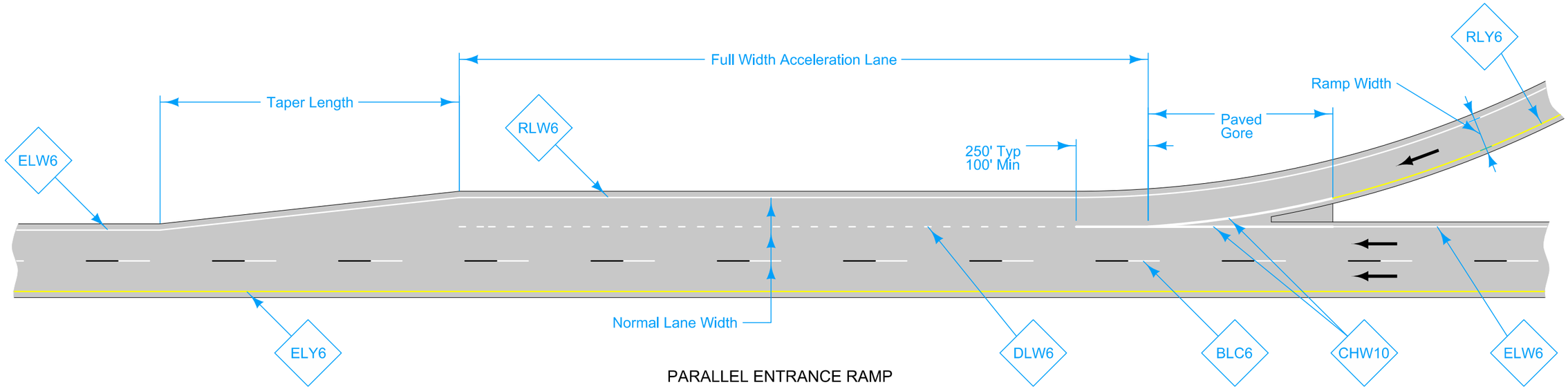
REVISION	
2	04-15-25

PM-320
SHEET 1 of 7

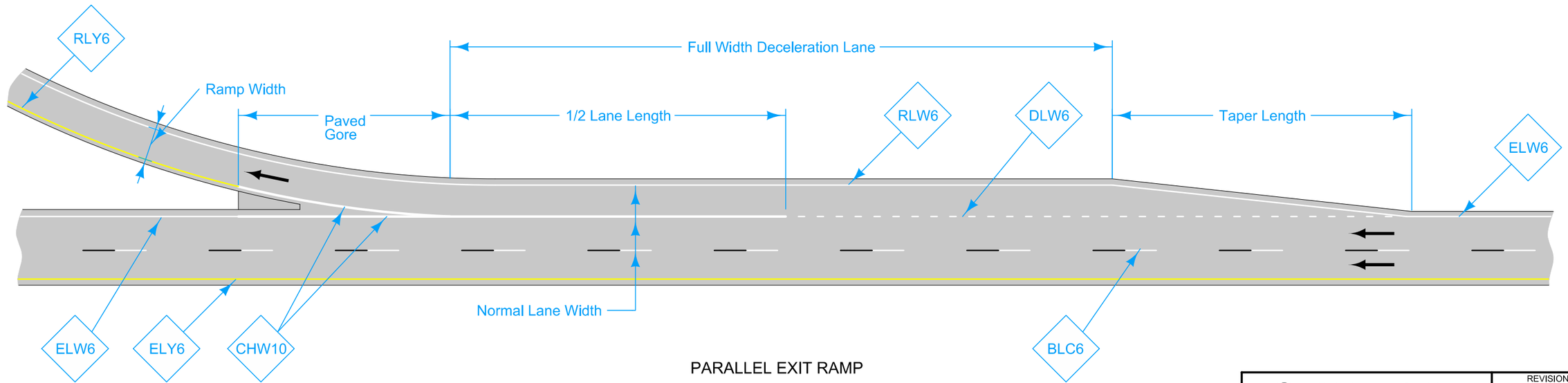
REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(Multicomponent Pavement Markings)



PARALLEL ENTRANCE RAMP



PARALLEL EXIT RAMP

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLC6	Broken Lane Line (White/Black)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION 2 04-15-25

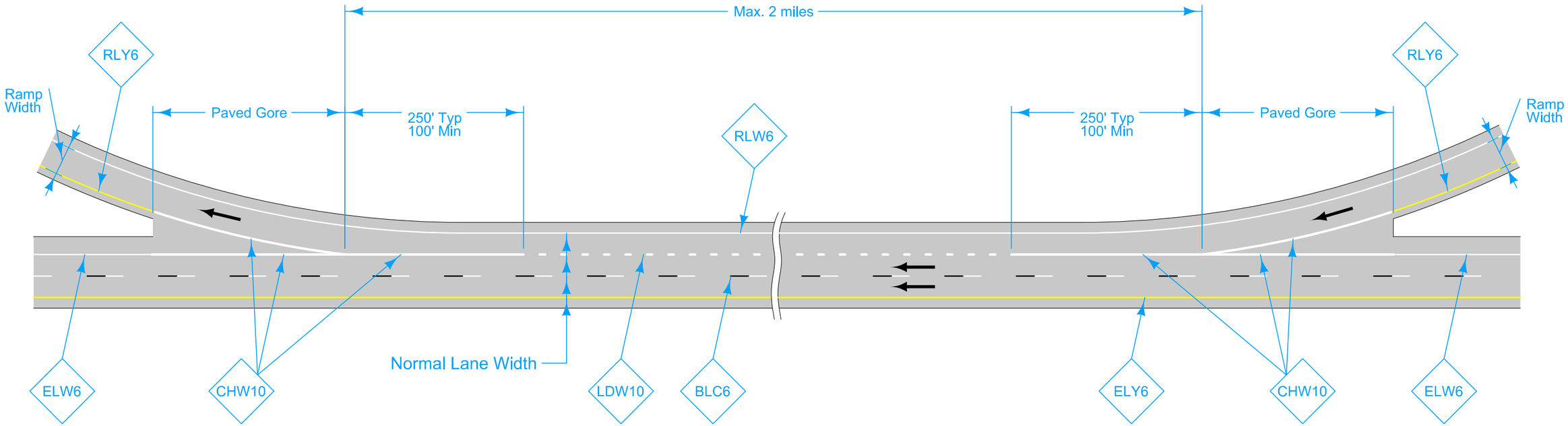
PM-320

SHEET 2 of 7

REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(Multicomponent Pavement Markings)



AUXILIARY LANE BETWEEN RAMPS

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLC6	Broken Lane Line (White/Black)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION 2 04-15-25

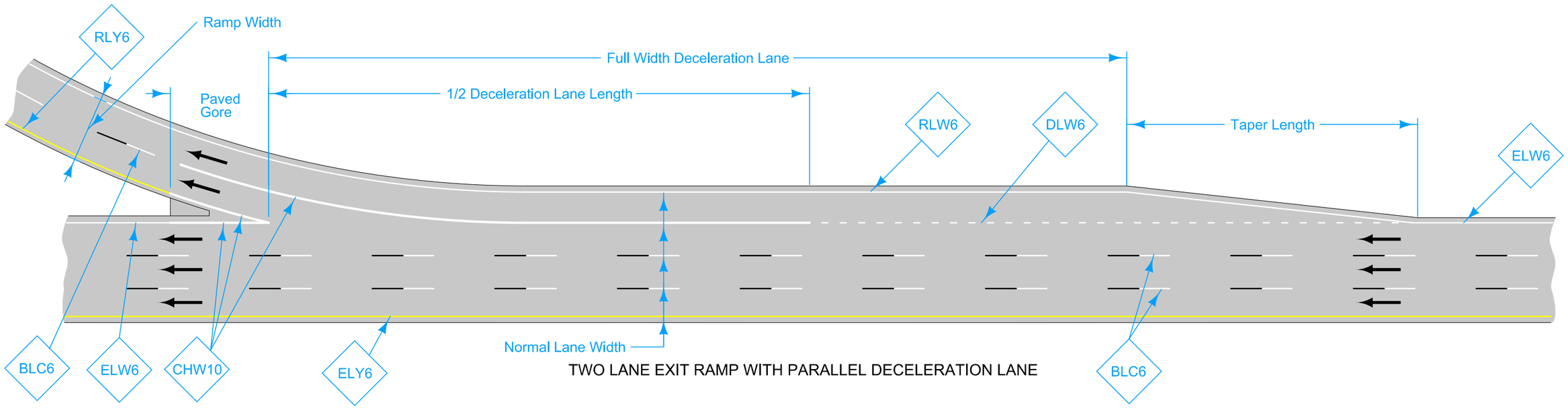
PM-320

SHEET 3 of 7

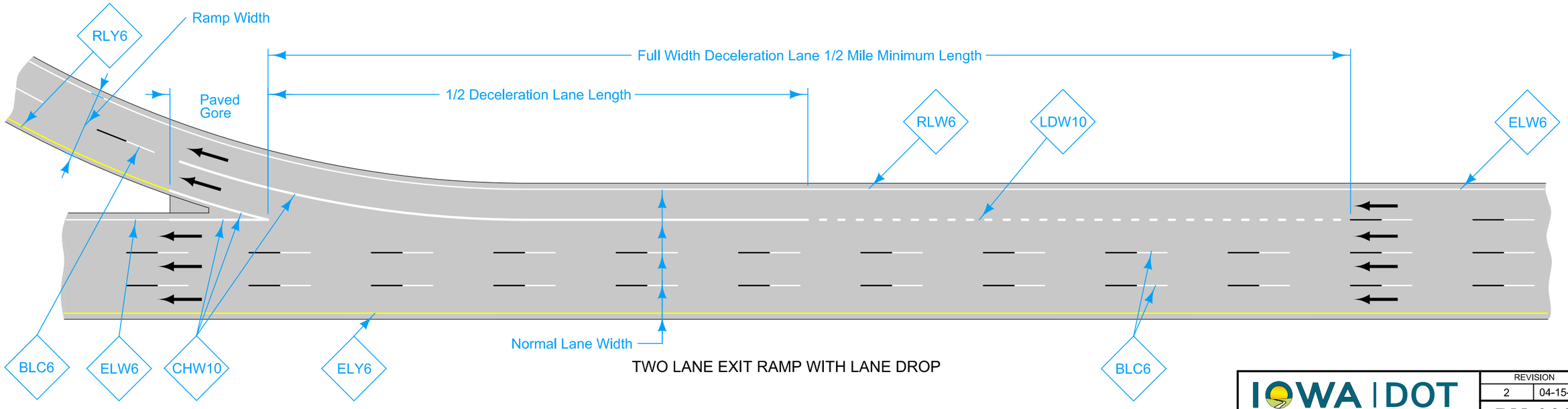
REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(Multicomponent Pavement Markings)



TWO LANE EXIT RAMP WITH PARALLEL DECELERATION LANE



TWO LANE EXIT RAMP WITH LANE DROP

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLC6	Broken Lane Line (White/Black)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION	
2	04-15-25

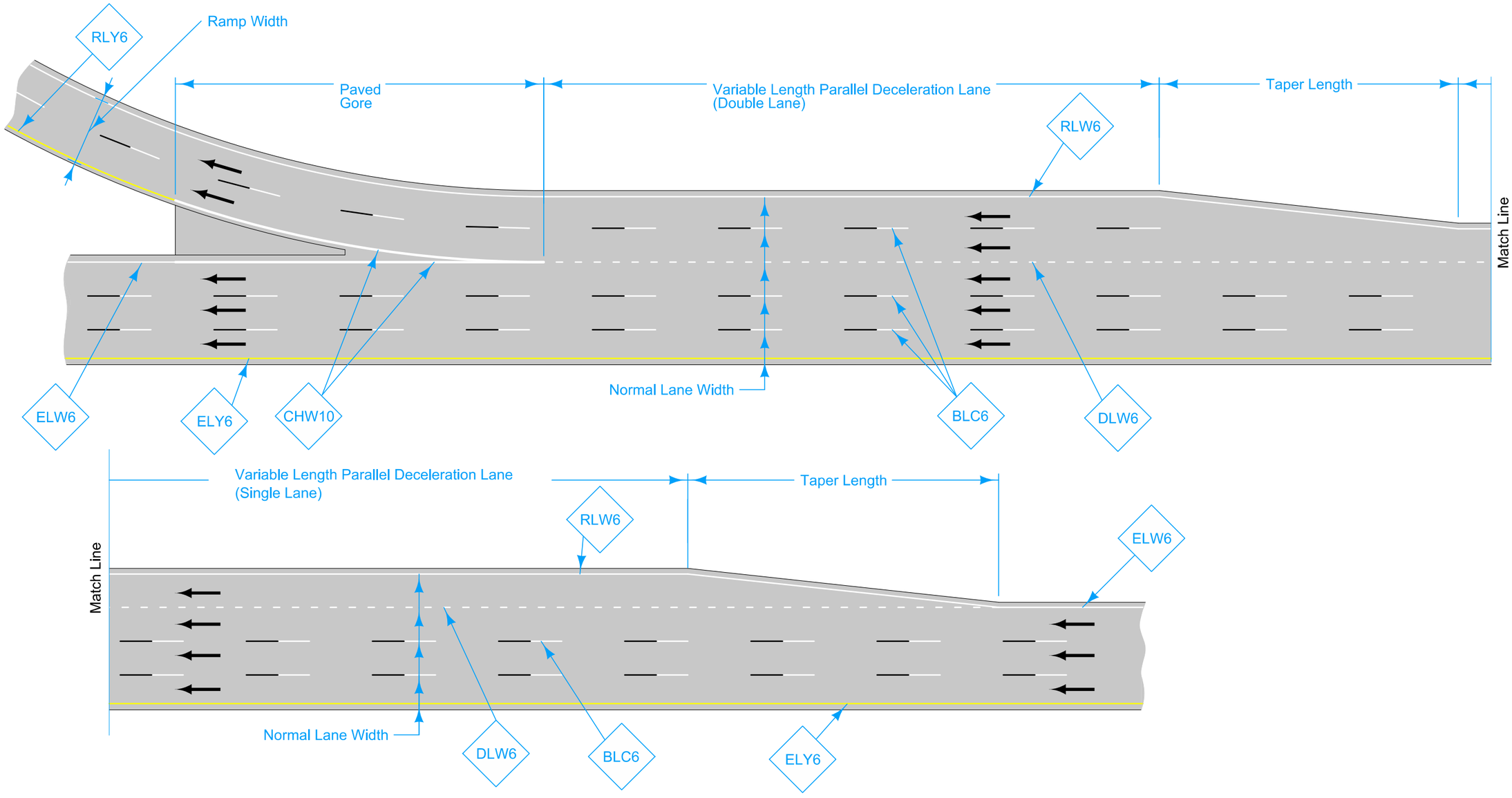
PM-320

SHEET 4 of 7

REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(Multicomponent Pavement Markings)



TWO LANE EXIT RAMP WITH DOUBLE PARALLEL DECELERATION LANE

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLC6	Broken Lane Line (White/Black)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION 2 04-15-25

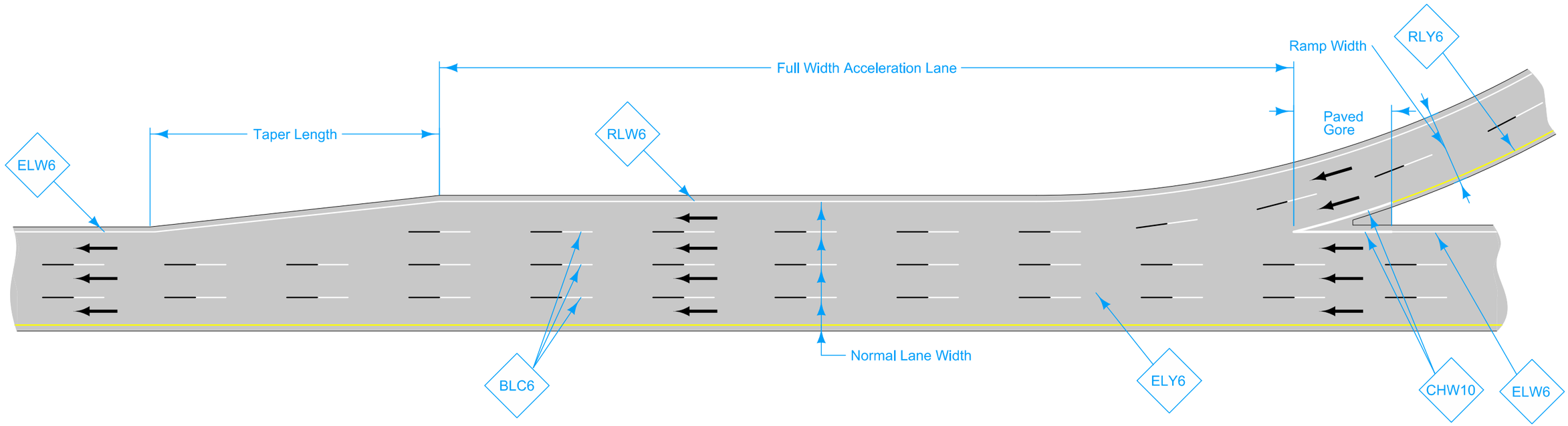
PM-320

SHEET 5 of 7

REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(Multicomponent Pavement Markings)



TWO LANE ENTRANCE RAMP WITH SINGLE PARALLEL ACCELERATION LANE

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLC6	Broken Lane Line (White/Black)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION	
2	04-15-25

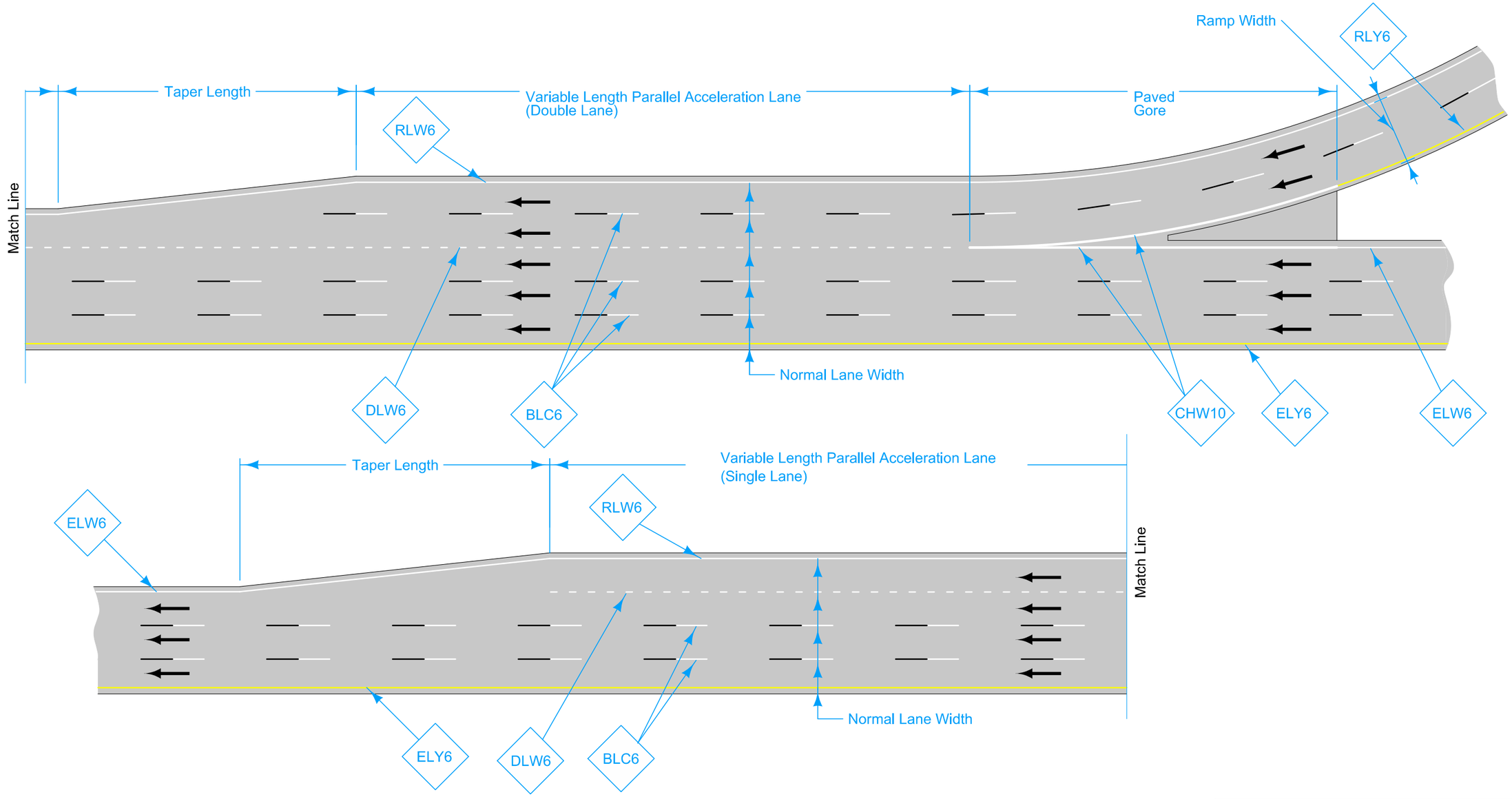
PM-320

SHEET 6 of 7

REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(Multicomponent Pavement Markings)



TWO LANE ENTRANCE RAMP WITH DOUBLE PARALLEL ACCELERATION LANE

LEGEND

←	Direction of Traffic	DLW6	Dotted Line (White)	RLW6	Ramp Edge Line Right (White)
BLC6	Broken Lane Line (White/Black)	ELW6	Edge Line Right (White)	RLY6	Ramp Edge Line Left (Yellow)
CHW10	Channelizing Line (White)	ELY6	Edge Line Left (Yellow)	LDW10	Lane Drop (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION	
2	04-15-25

PM-320

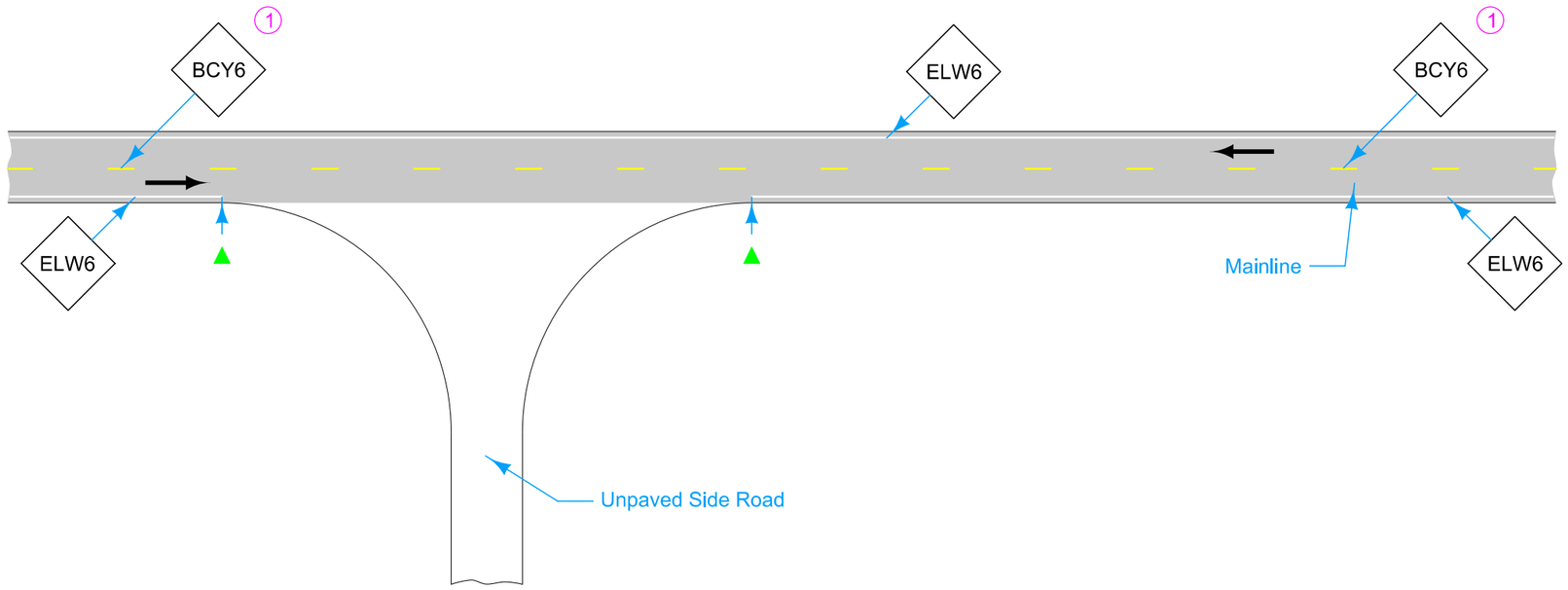
SHEET 7 of 7

REVISIONS: Modified title.

APPROVED BY DESIGN METHODS ENGINEER

ENTRANCE AND EXIT RAMPS
(Multicomponent Pavement Markings)

DESIGNER INFORMATION



Roadways may or may not have edge lines. When the free flow roadway has edge lines but the stop controlled roadway does not, end edge lines at the end of returns (marked by ▲s). When the stop controlled roadway has edge lines but the free flow roadway does not, end edge lines at the end of returns (marked by ■s). If both roadways have edge lines, continue edge lines around the returns.

For line information, see PM-110.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
BCY6	→	BCY4
NPY6	→	NPY4
DCY6	→	DCY4

(1) Broken Centerline changes to No Passing Zone Line or Double Centerline if required by sight distance.

LEGEND

←	Direction of Traffic
BCY6	Broken Centerline (Yellow)
ELW6	Edge Line Right (White)

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-22

IOWA DOT

STANDARD ROAD PLAN

REVISION 2 10-15-24

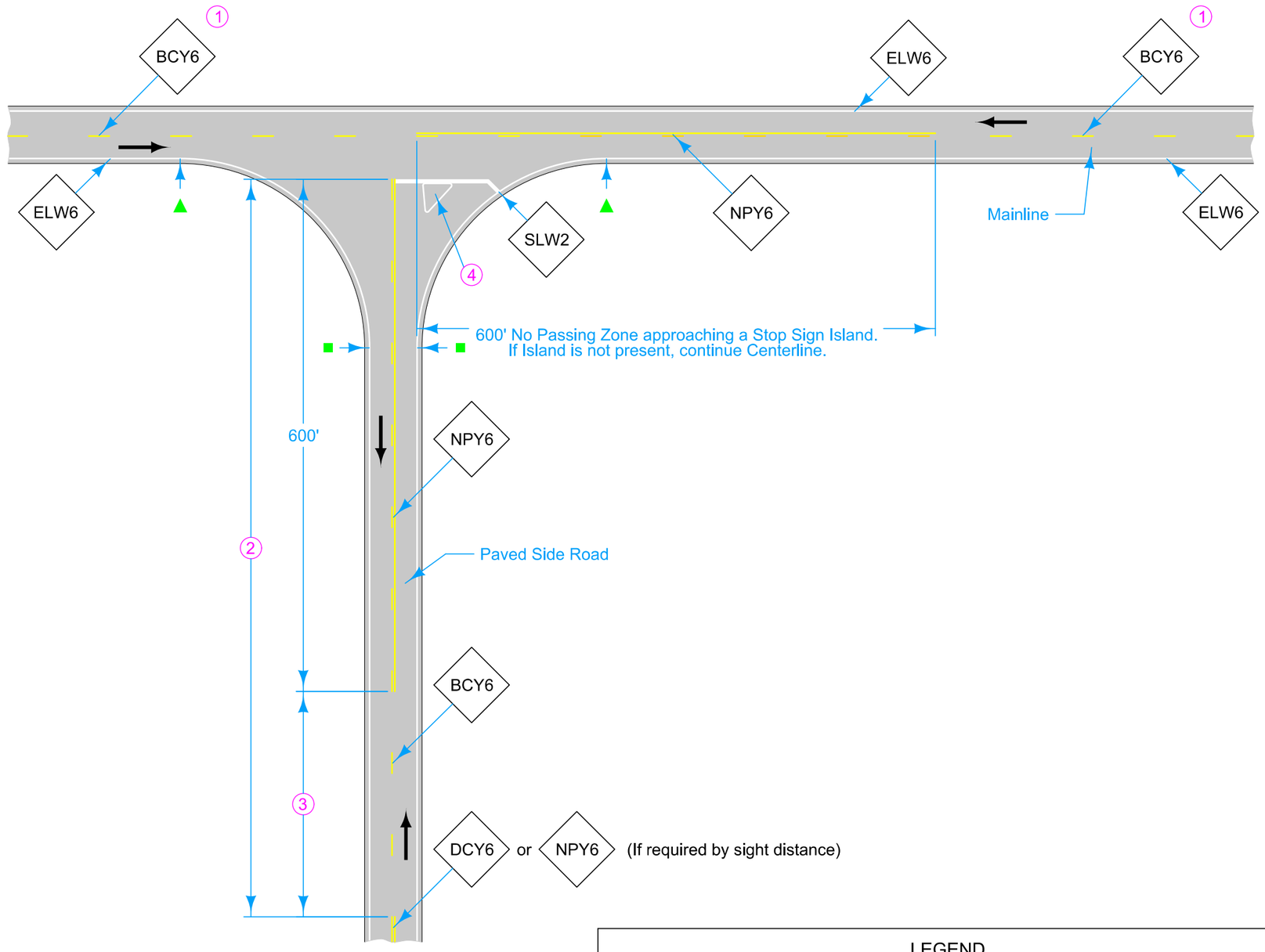
PM-420

SHEET 1 of 2

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

TWO-LANE ROADWAY WITH NO TURN LANES (ONE-WAY STOP CONDITION)



1. Broken Centerline changes to No Passing Zone Line or Double Centerline if required by sight distance.
2. If less than 1000 feet, extend Yellow Line to Stop Line.
3. If less than 400 feet, join Yellow Lines.
4. For Island information, see PM-120.

LEGEND

←	Direction of Traffic	ELW6	Edge Line Right (White)
BCY6	Broken Centerline (Yellow)	NPY6	No Passing Zone Line (Yellow)
DCY6	Double Centerline (Yellow)	SLW2	Stop Line (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION	
2	10-15-24

PM-420

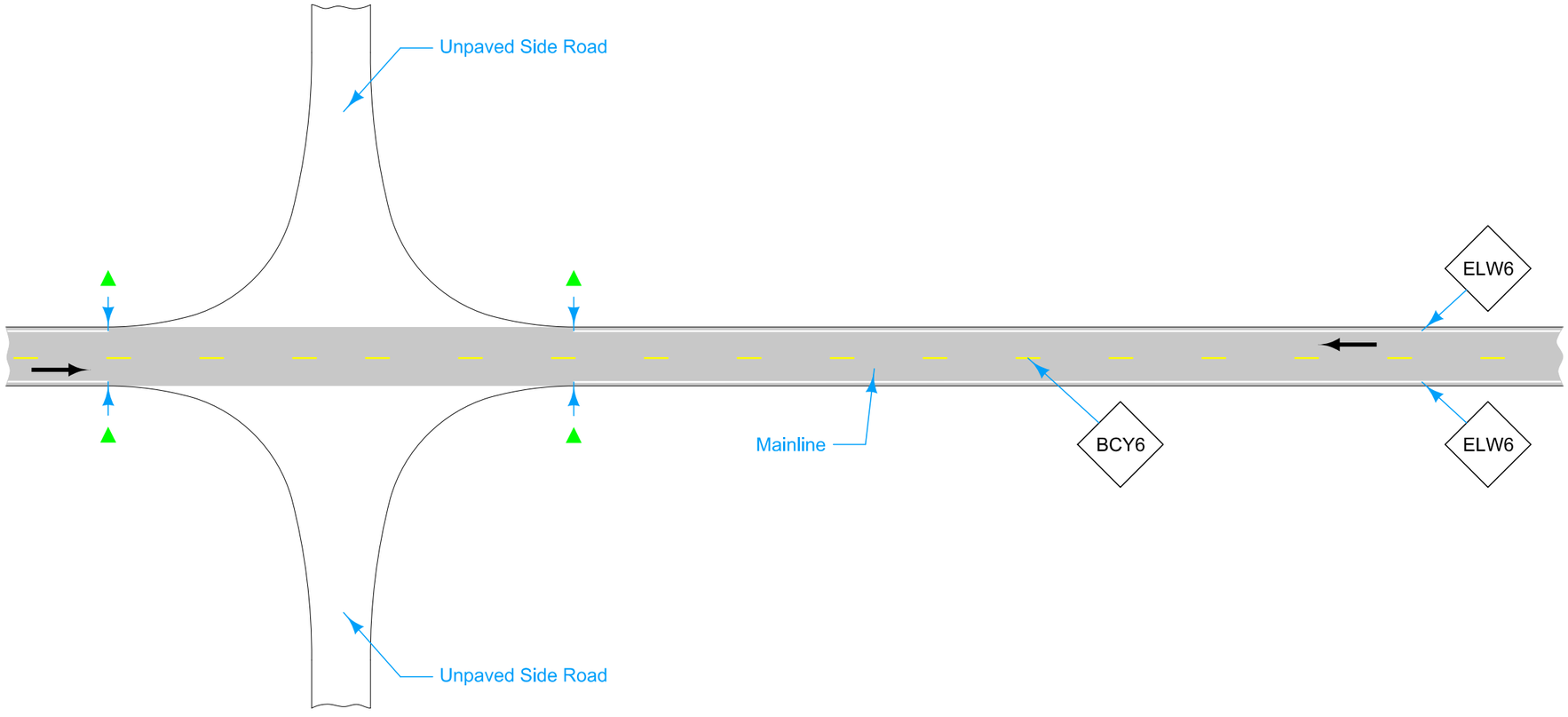
SHEET 2 of 2

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

TWO-LANE ROADWAY WITH NO TURN LANES (ONE-WAY STOP CONDITION)

DESIGNER INFORMATION



Roadways may or may not have edge lines. When the free flow roadway has edge lines but the stop controlled roadway does not, end edge lines at the end of returns (marked by ▲s). When the stop controlled roadway has edge lines but the free flow roadway does not, end edge lines at the end of returns (marked by ■s). If both roadways have edge lines, continue edge lines around the returns.

Terminate all mainline centerline markings at the edge of the thru lanes of a paved side road.

For line information, see PM-110.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
BCY6	→	BCY4
NPY6	→	NPY4
DCY6	→	DCY4

LEGEND

←	Direction of Traffic
BCY6	Broken Centerline (Yellow)
ELW6	Edge Line Right (White)

UNPAVED SIDE ROADS

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-22

IOWA DOT

STANDARD ROAD PLAN

REVISION	
2	10-15-24

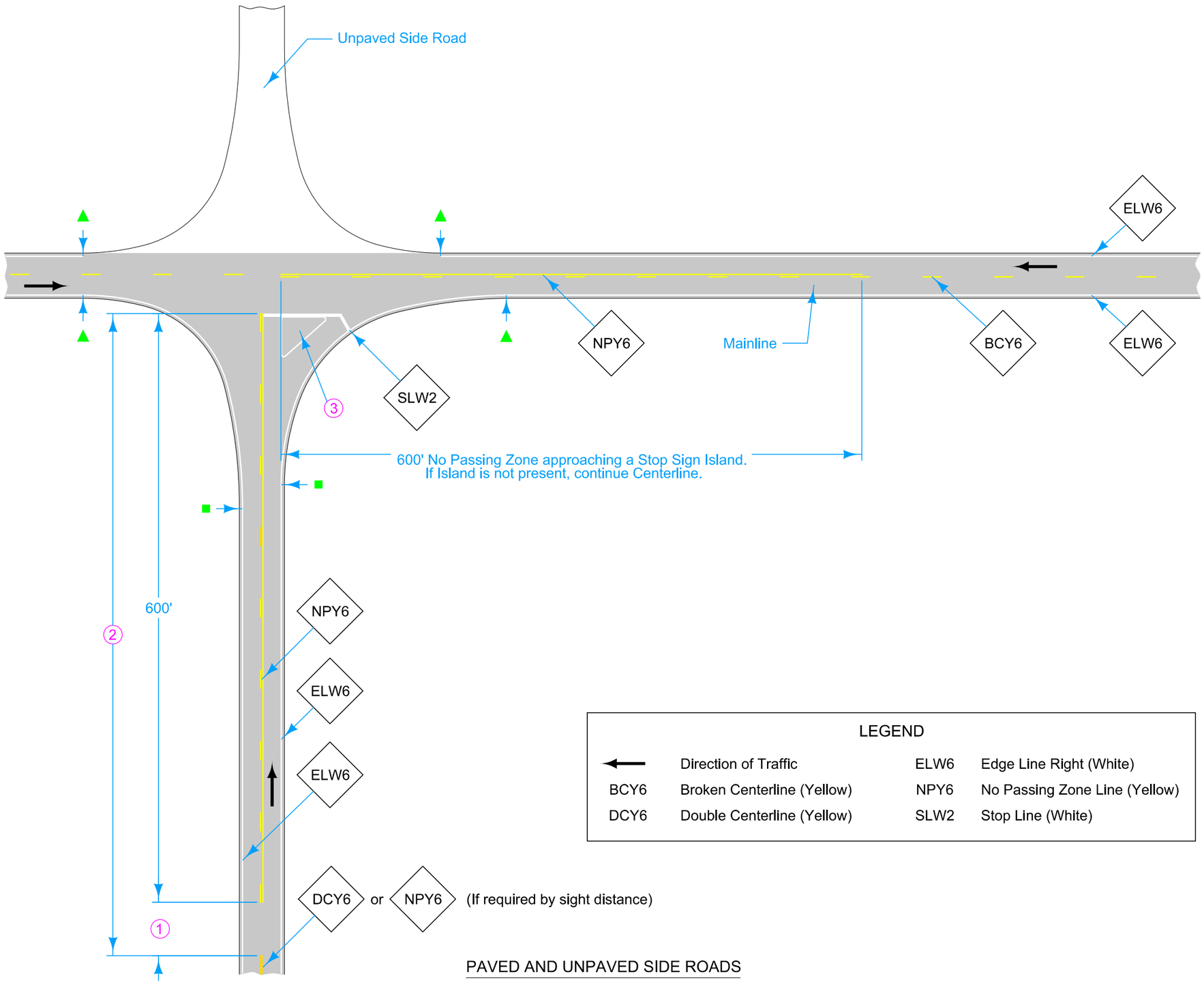
PM-520

SHEET 1 of 3

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

TWO-LANE ROADWAY
WITH NO TURN LANES
(TWO-WAY STOP CONDITION)



PAVED AND UNPAVED SIDE ROADS

1. If less than 400 feet, join Yellow Lines.
2. If less than 1000 feet, extend Yellow Line to Stop Line.
3. For Island information, see PM-120.

LEGEND

←	Direction of Traffic	ELW6	Edge Line Right (White)
BCY6	Broken Centerline (Yellow)	NPY6	No Passing Zone Line (Yellow)
DCY6	Double Centerline (Yellow)	SLW2	Stop Line (White)

IOWA DOT

REVISION 2 10-15-24

STANDARD ROAD PLAN

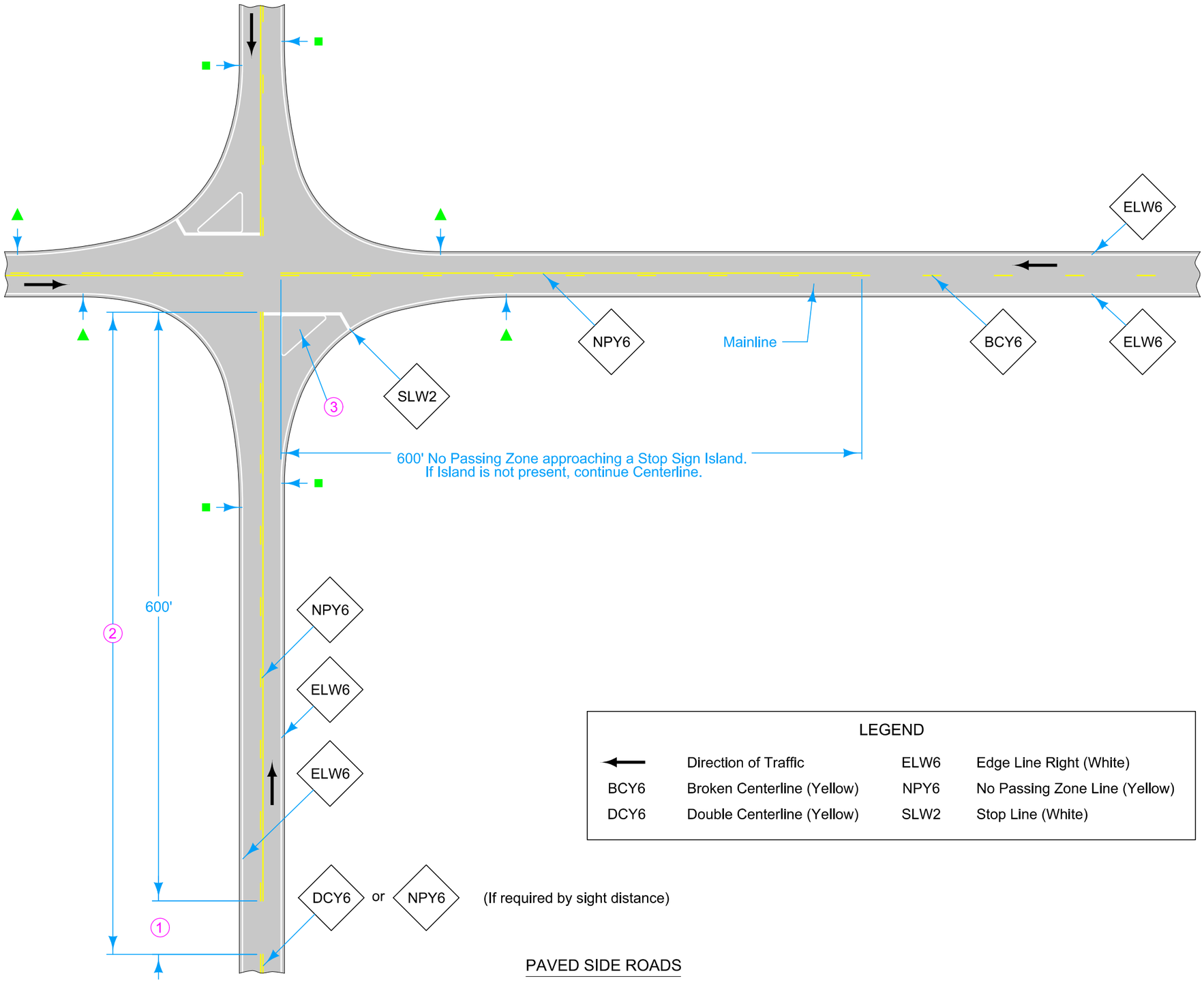
PM-520

SHEET 2 of 3

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

TWO-LANE ROADWAY WITH NO TURN LANES (TWO-WAY STOP CONDITION)



(If required by sight distance)

PAVED SIDE ROADS

1. If less than 400 feet, join Yellow Lines.
2. If less than 1000 feet, extend Yellow Line to Stop Line.
3. For Island information, see PM-120.

LEGEND

←	Direction of Traffic	ELW6	Edge Line Right (White)
BCY6	Broken Centerline (Yellow)	NPY6	No Passing Zone Line (Yellow)
DCY6	Double Centerline (Yellow)	SLW2	Stop Line (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION	
2	10-15-24

PM-520

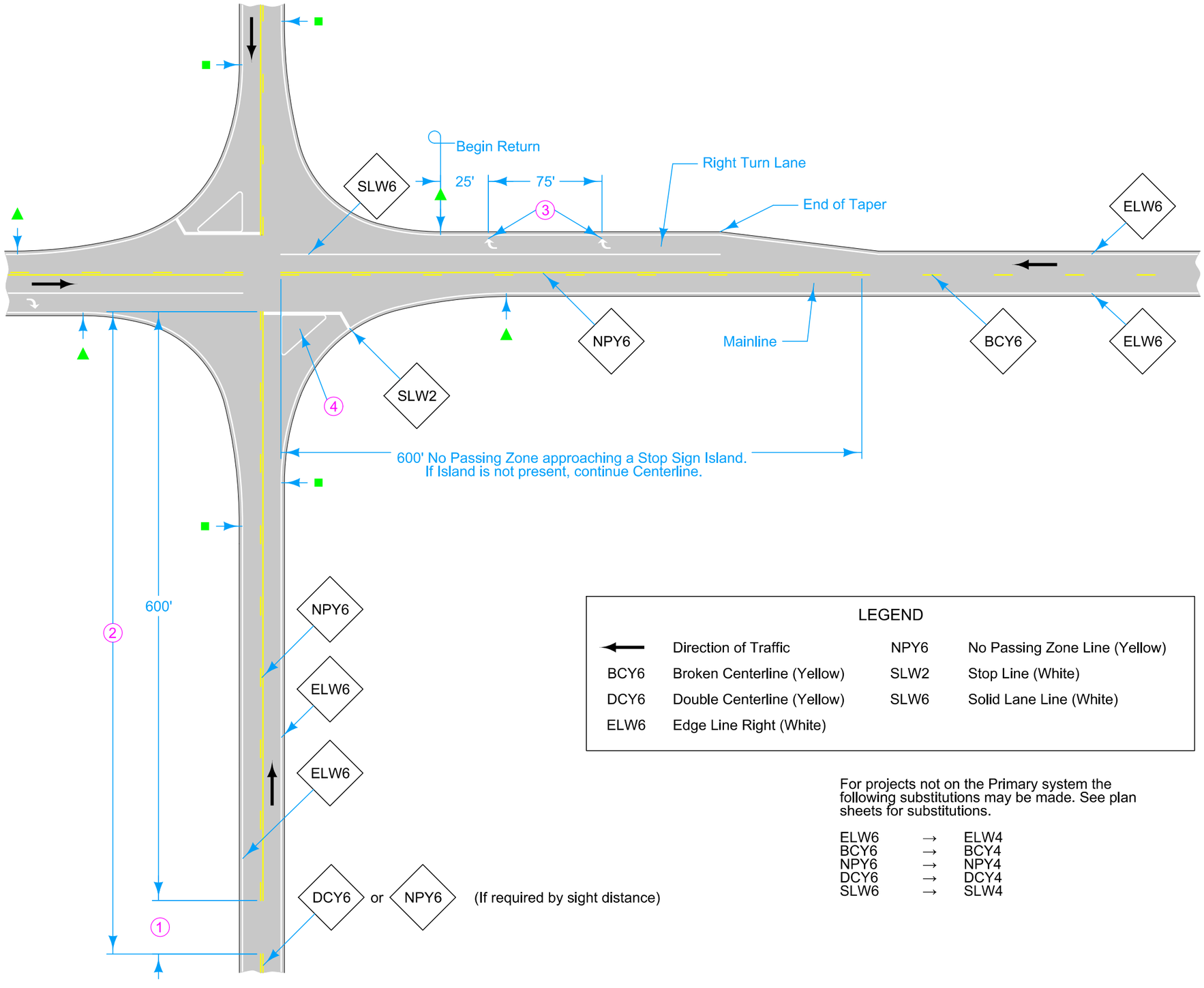
SHEET 3 of 3

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

TWO-LANE ROADWAY WITH NO TURN LANES (TWO-WAY STOP CONDITION)

DESIGNER INFORMATION



Roadways may or may not have edge lines. When the free flow roadway has edge lines but the stop controlled roadway does not, end edge lines at the end of returns (marked by ▲s). When the stop controlled roadway has edge lines but the free flow roadway does not, end edge lines at the end of returns (marked by ■s). If both roadways have edge lines, continue edge lines around the returns.

Terminate all mainline centerline markings at the edge of the thru lanes of the side road.

Start Solid Lane Line for Right Turn Lane at end of taper.

For line information, see PM-110.

For symbol and legend information, see PM-111.

(1) If less than 400 feet, join Yellow Lines.

(2) If less than 1000 feet, extend Yellow Line to Stop Line.

(3) Symbol and Legend (when listed in 108-29).

(4) For Island information, see PM-120.

LEGEND

←	Direction of Traffic	NPY6	No Passing Zone Line (Yellow)
BCY6	Broken Centerline (Yellow)	SLW2	Stop Line (White)
DCY6	Double Centerline (Yellow)	SLW6	Solid Lane Line (White)
ELW6	Edge Line Right (White)		

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
BCY6	→	BCY4
NPY6	→	NPY4
DCY6	→	DCY4
SLW6	→	SLW4

Possible Contract Items:
- Pavement Marking Line Items
- Pavement Marking Symbol and Legend Items

Possible Tabulations:
- 108-22
- 108-29

IOWA DOT

STANDARD ROAD PLAN

REVISION	
2	10-15-24

PM-521

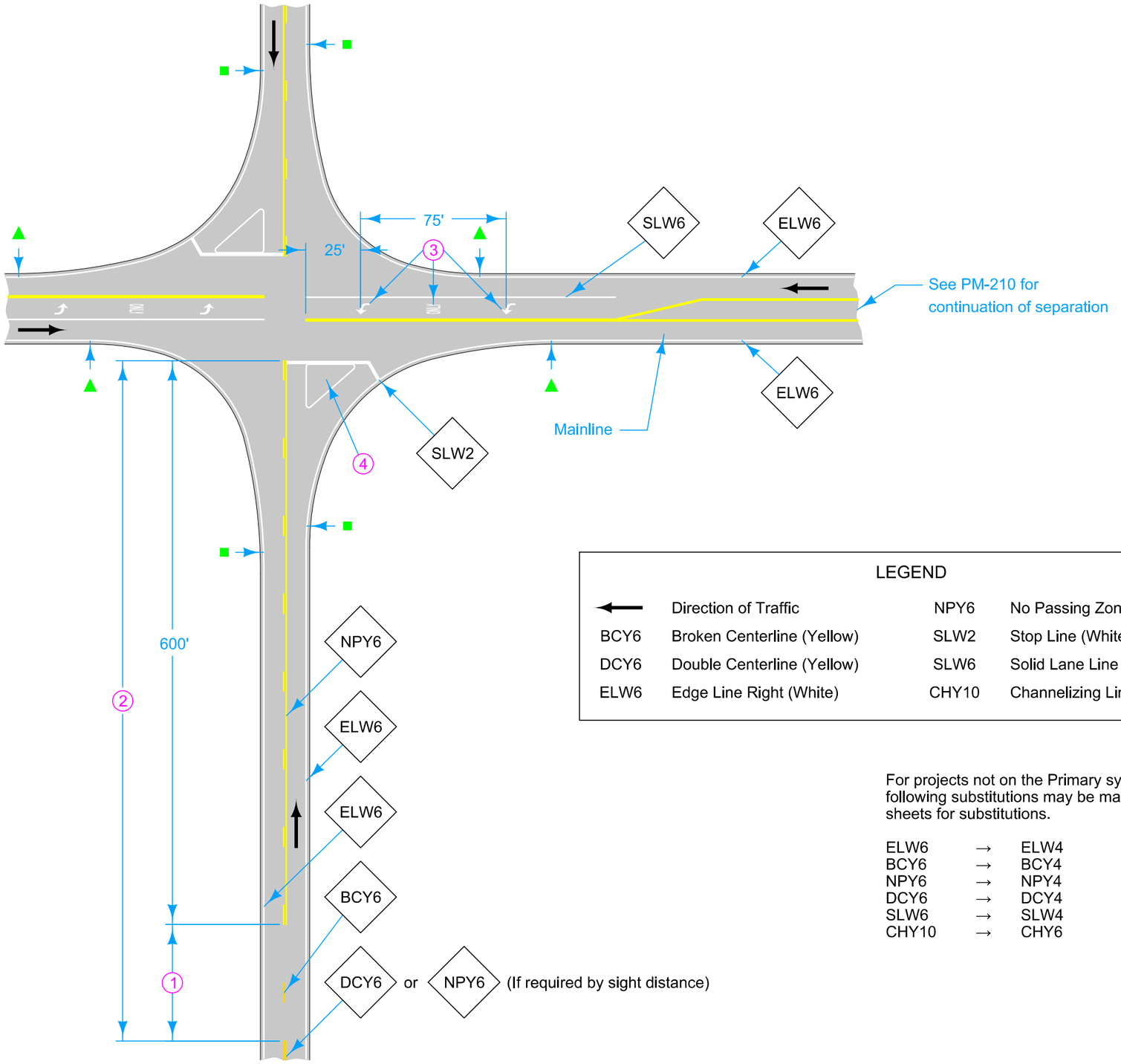
SHEET 1 of 1

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

TWO-LANE ROADWAY WITH RIGHT TURN LANES

DESIGNER INFORMATION



Roadways may or may not have edge lines. When the free flow roadway has edge lines but the stop controlled roadway does not, end edge lines at the end of returns (marked by ▲s). When the stop controlled roadway has edge lines but the free flow roadway does not, end edge lines at the end of returns (marked by ■s). If both roadways have edge lines, continue edge lines around the returns.

Terminate all mainline centerline markings at the edge of the thru lanes of the side road.

For line information, see PM-110.

For symbol and legend information, see PM-111.

LEGEND			
←	Direction of Traffic	NPY6	No Passing Zone Line (Yellow)
BCY6	Broken Centerline (Yellow)	SLW2	Stop Line (White)
DCY6	Double Centerline (Yellow)	SLW6	Solid Lane Line (White)
ELW6	Edge Line Right (White)	CHY10	Channelizing Line (Yellow)

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
BCY6	→	BCY4
NPY6	→	NPY4
DCY6	→	DCY4
SLW6	→	SLW4
CHY10	→	CHY6

(1) If less than 400 feet, join Yellow Lines.

(2) If less than 1000 feet, extend Yellow Line to Stop Line.

(3) Symbol and Legend (when listed in 108-29).

(4) For Island information, see PM-120.

Possible Contract Items:
- Pavement Marking Line Items
- Pavement Marking Symbol and Legend Items

Possible Tabulations:
- 108-22
- 108-29

IOWA DOT

STANDARD ROAD PLAN

REVISION	
3	10-15-24

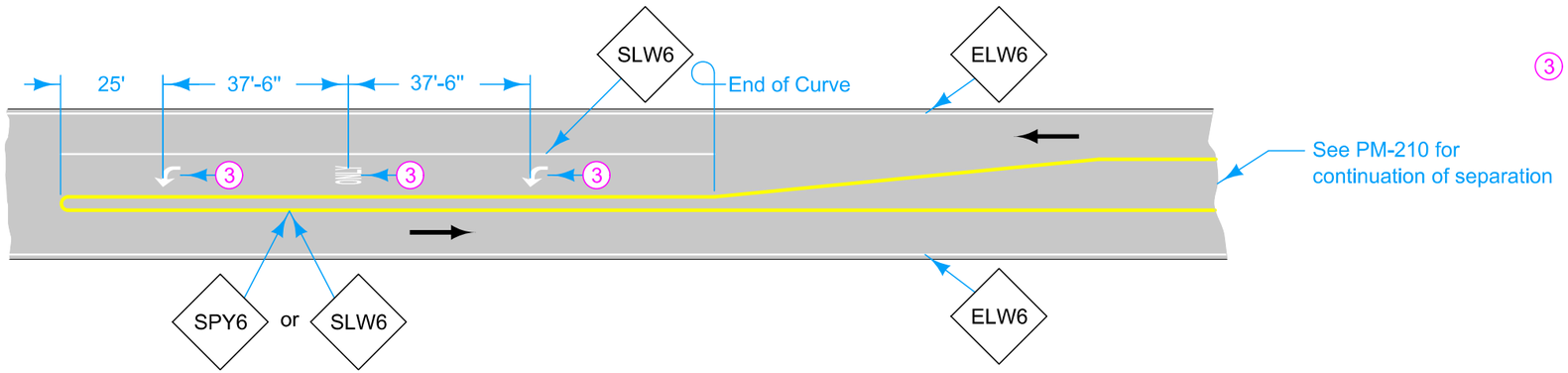
PM-522

SHEET 1 of 2

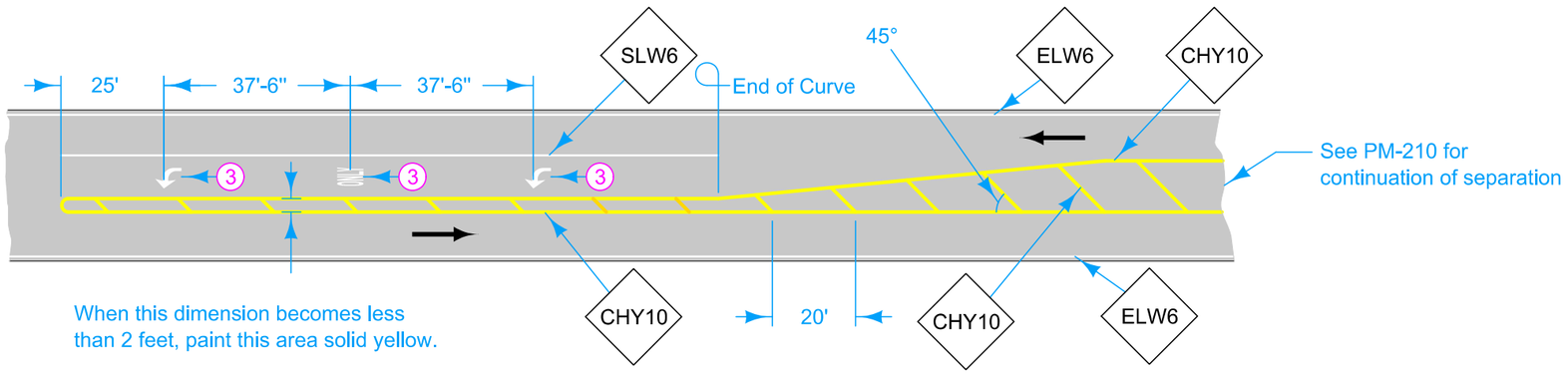
REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

TWO-LANE ROADWAY WITH LEFT TURN LANES



CURBED CHANNELIZED ISLAND



PAINTED CHANNELIZED ISLAND

3 Symbol and Legend (when listed in 108-29).

LEGEND

←	Direction of Traffic	NPY6	No Passing Zone Line (Yellow)
BCY6	Broken Centerline (Yellow)	SLW2	Stop Line (White)
DCY6	Double Centerline (Yellow)	SLW6	Solid Lane Line (White)
ELW6	Edge Line Right (White)	CHY10	Channelizing Line (Yellow)

IOWA DOT

STANDARD ROAD PLAN

REVISION 3 10-15-24

PM-522

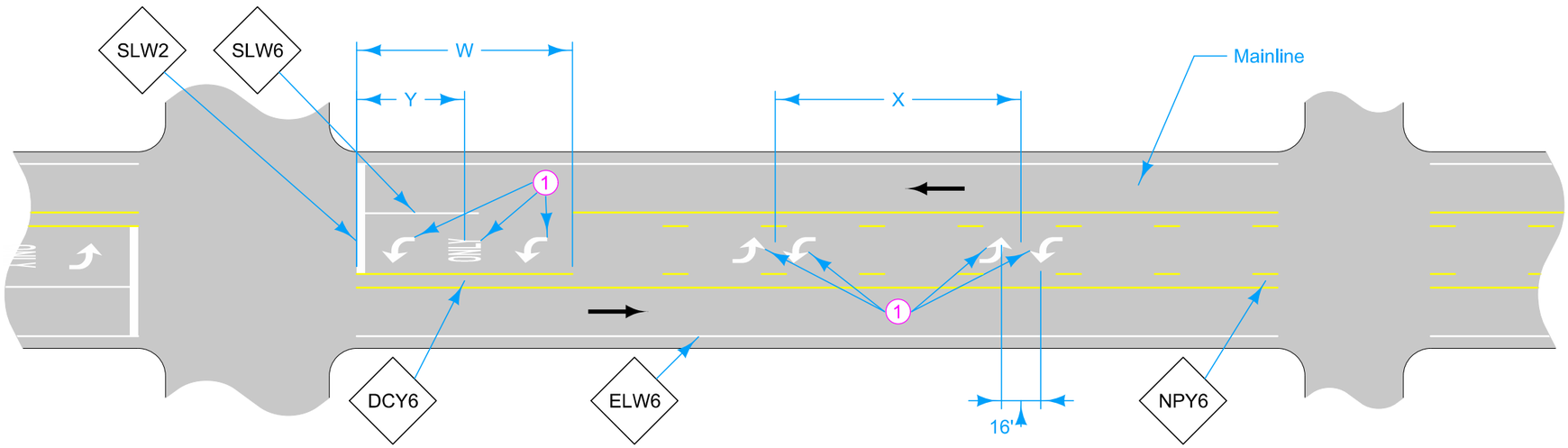
SHEET 2 of 2

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

TWO-LANE ROADWAY WITH LEFT TURN LANES

DESIGNER INFORMATION



Major Cross Street
Mainline Stop or Signalized Condition

Minor Cross Street
No Mainline Stop or Signalized Condition

Terminate all mainline centerline markings at the edge of the property line.

Spacing between center of Symbols and Legends used within Left Turn Only Storage Length is $37\frac{1}{2}$ feet.

For line information, see PM-110.

For symbol and legend information, see PM-111.

(1) Symbol and Legend (when listed in 108-29).

W Storage Length to be 150 feet minimum.

X Typical spacing (in feet) between sets of arrows should be approximately 10 times the speed limit (MPH) or one set located at mid-block.

Y Distance from lane line termination to center of Left Turn Only Symbol and Legend is $\frac{1}{2}$ the Storage Length.

LEGEND

←	Direction of Traffic	NPY6	No Passing Zone Line (Yellow)
DCY6	Double CenterLine (Yellow)	SLW2	Stop Line (White)
ELW6	Edge Line Right (White)	SLW6	Solid Lane Line (White)

Possible Contract Items:
- Pavement Marking Line Items
- Pavement Marking Symbol and Symbol Items

Possible Tabulations:
- 108-22
- 108-29

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
SLW6	→	SLW4
NPY6	→	NPY4
DCY6	→	DCY4

IOWA DOT

STANDARD ROAD PLAN

REVISION
2 | 10-15-24

PM-550

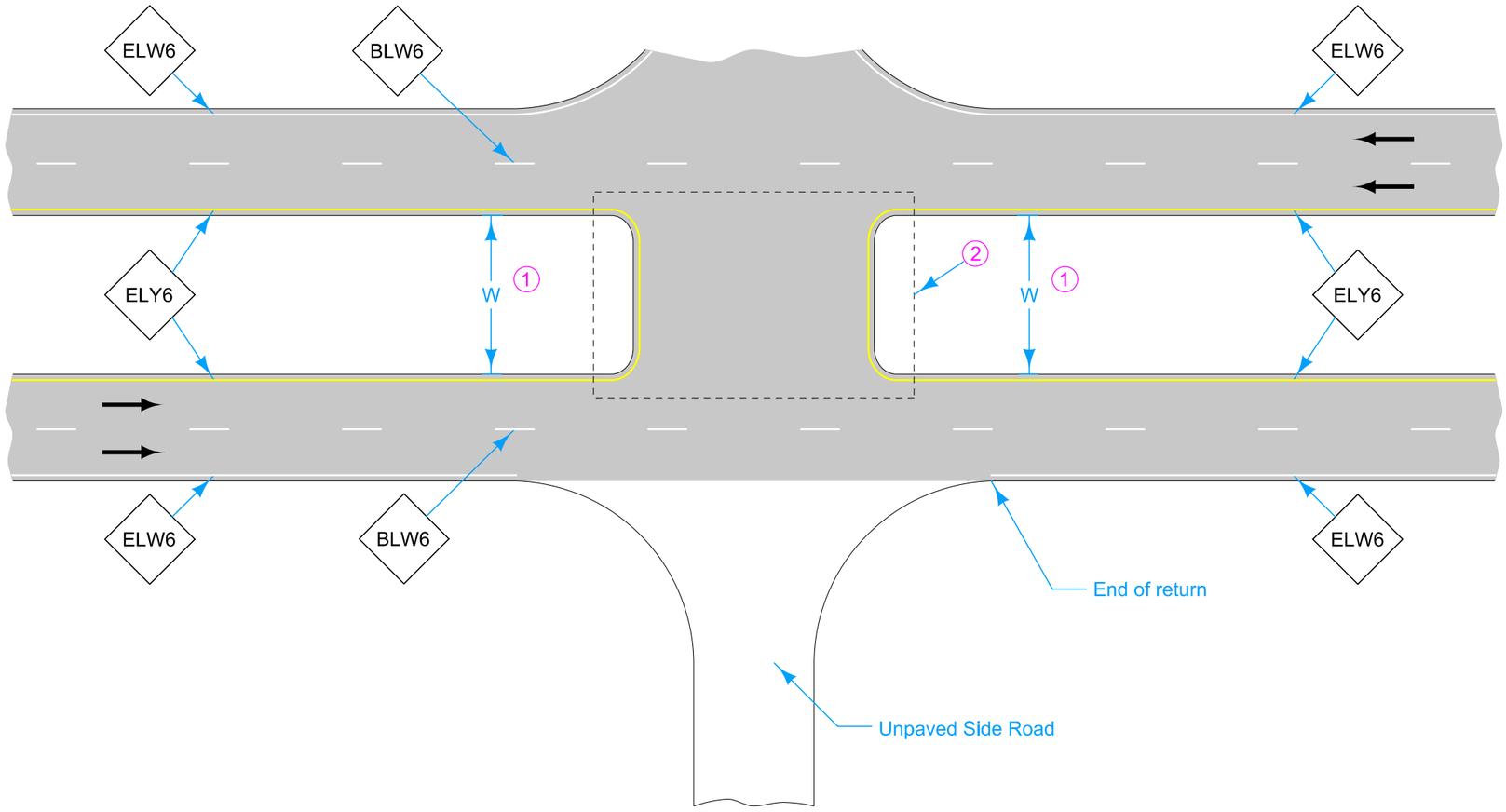
SHEET 1 of 1

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

TWO-LANE ROADWAY WITH TWO-WAY LEFT TURN LANE

DESIGNER INFORMATION



For line information, see PM-110.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
ELY6	→	ELY4
BCY6	→	BCY4
NPY6	→	NPY4
DCY6	→	DCY4
BLW6	→	BLW4

(1) W is the width between pavement edges. Measure W from pavement edge to pavement edge. When W values are different, use the smaller of the two.

(2) See PM-760 for markings placed in the median.

LEGEND

←	Direction of Traffic
BLW6	Broken Lane Line (White)
ELW6	Edge Line Right (White)
ELY6	Edge Line Left (Yellow)

UNPAVED SIDE ROAD

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-29

IOWA DOT

STANDARD ROAD PLAN

REVISION 2 10-15-24

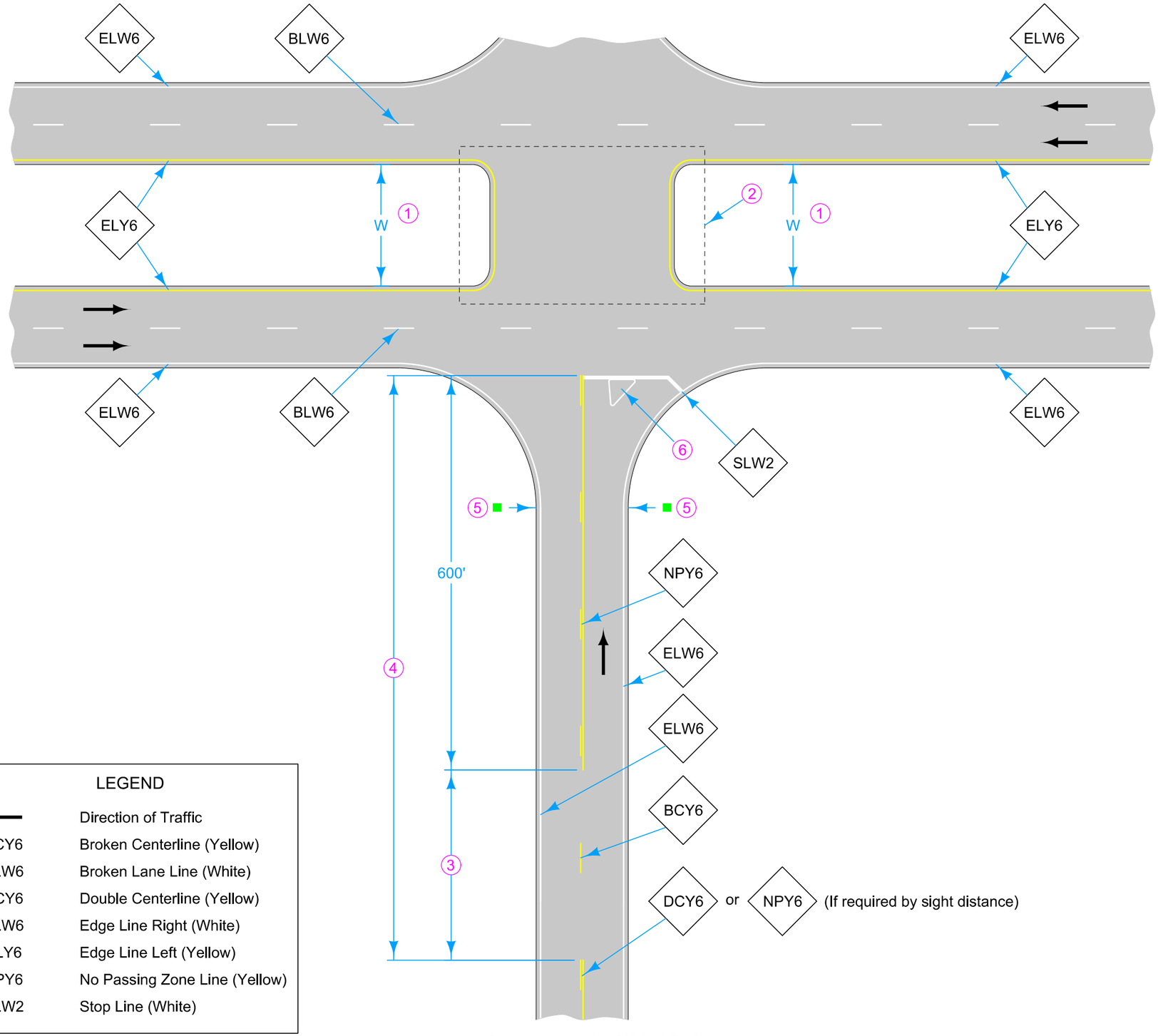
PM-560

SHEET 1 of 2

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

DIVIDED MULTI-LANE ROADWAY WITH NO TURN LANES



TWO-LANE PAVED SIDE ROAD

1. W is the width between pavement edges. Measure W from pavement edge to pavement edge. When W values are different, use the smaller of the two.
2. See PM-760 for markings placed in the median.
3. If less than 400 feet, join Yellow Lines.
4. If less than 1000 feet, extend Yellow Line to Stop Line.
5. When the free flow roadway has edge lines but the stop controlled roadway does not, end edge lines at the end of returns (marked by ■s). If both roadways have edge lines, continue edge lines around the returns.
6. If Island present, see PM-120.

LEGEND

←	Direction of Traffic
BCY6	Broken Centerline (Yellow)
BLW6	Broken Lane Line (White)
DCY6	Double Centerline (Yellow)
ELW6	Edge Line Right (White)
ELY6	Edge Line Left (Yellow)
NPY6	No Passing Zone Line (Yellow)
SLW2	Stop Line (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION 2 10-15-24

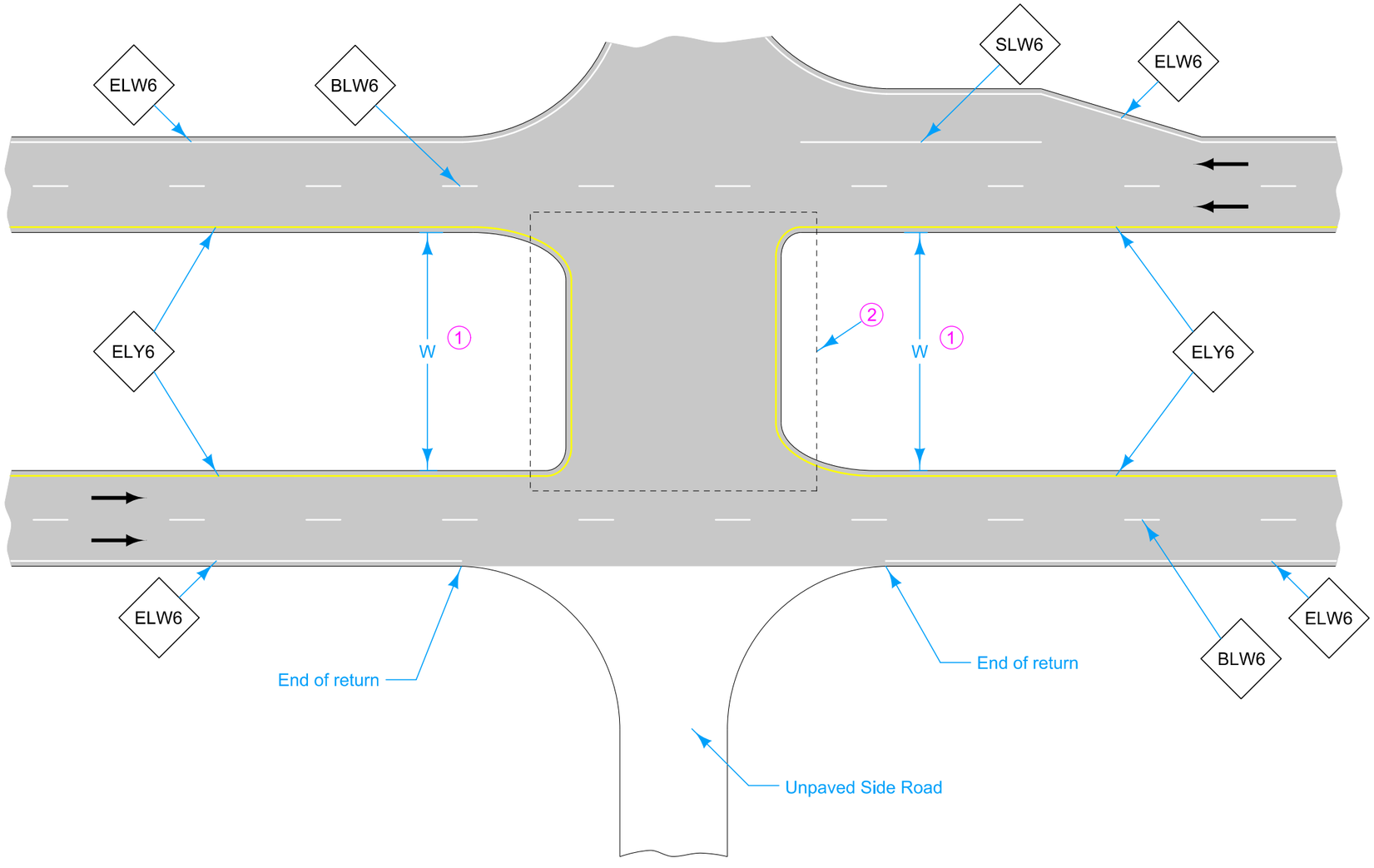
PM-560

SHEET 2 of 2

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

DIVIDED MULTI-LANE ROADWAY WITH NO TURN LANES



For line information, see PM-110.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
ELY6	→	ELY4
BCY6	→	BCY4
NPY6	→	NPY4
DCY6	→	DCY4
BLW6	→	BLW4
SLW6	→	SLW4

(1) W is the width between pavement edges. Measure W from pavement edge to pavement edge. When W values are different, use the smaller of the two.

(2) See PM-760 for markings placed in the median.

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-29

LEGEND

←	Direction of Traffic
BLW6	Broken Lane Line (White)
ELW6	Edge Line Right (White)
ELY6	Edge Line Left (Yellow)
SLW6	Solid Lane Line (White)

UNPAVED SIDE ROAD

IOWA DOT

STANDARD ROAD PLAN

REVISION 2 10-15-24

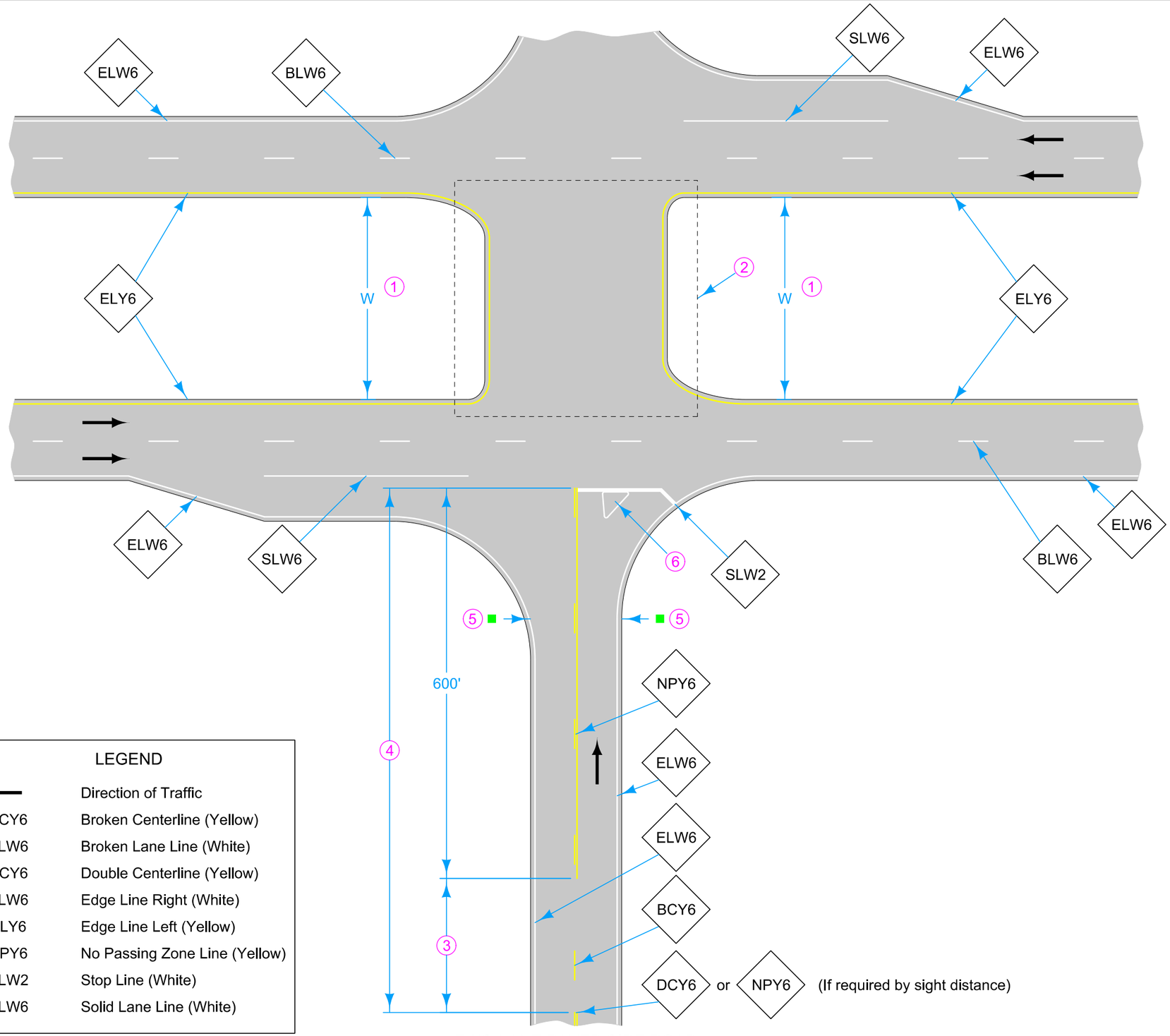
PM-561

SHEET 1 of 2

REVISIONS: Modified widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

DIVIDED MULTI-LANE ROADWAY WITH RIGHT TURN LANES



TWO-LANE PAVED SIDE ROAD

1. W is the width between pavement edges. Measure W from pavement edge to pavement edge. When W values are different, use the smaller of the two.
2. See PM-760 for markings placed in the median.
3. If less than 400 feet, join Yellow Lines.
4. If less than 1000 feet, extend Yellow Line to Stop Line.
5. When the free flow roadway has edge lines but the stop controlled roadway does not, end edge lines at the end of returns (marked by ■s). If both roadways have edge lines, continue edge lines around the returns.
6. If Island present, see PM-120.

LEGEND

←	Direction of Traffic
BCY6	Broken Centerline (Yellow)
BLW6	Broken Lane Line (White)
DCY6	Double Centerline (Yellow)
ELW6	Edge Line Right (White)
ELY6	Edge Line Left (Yellow)
NPY6	No Passing Zone Line (Yellow)
SLW2	Stop Line (White)
SLW6	Solid Lane Line (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION	
2	10-15-24

PM-561

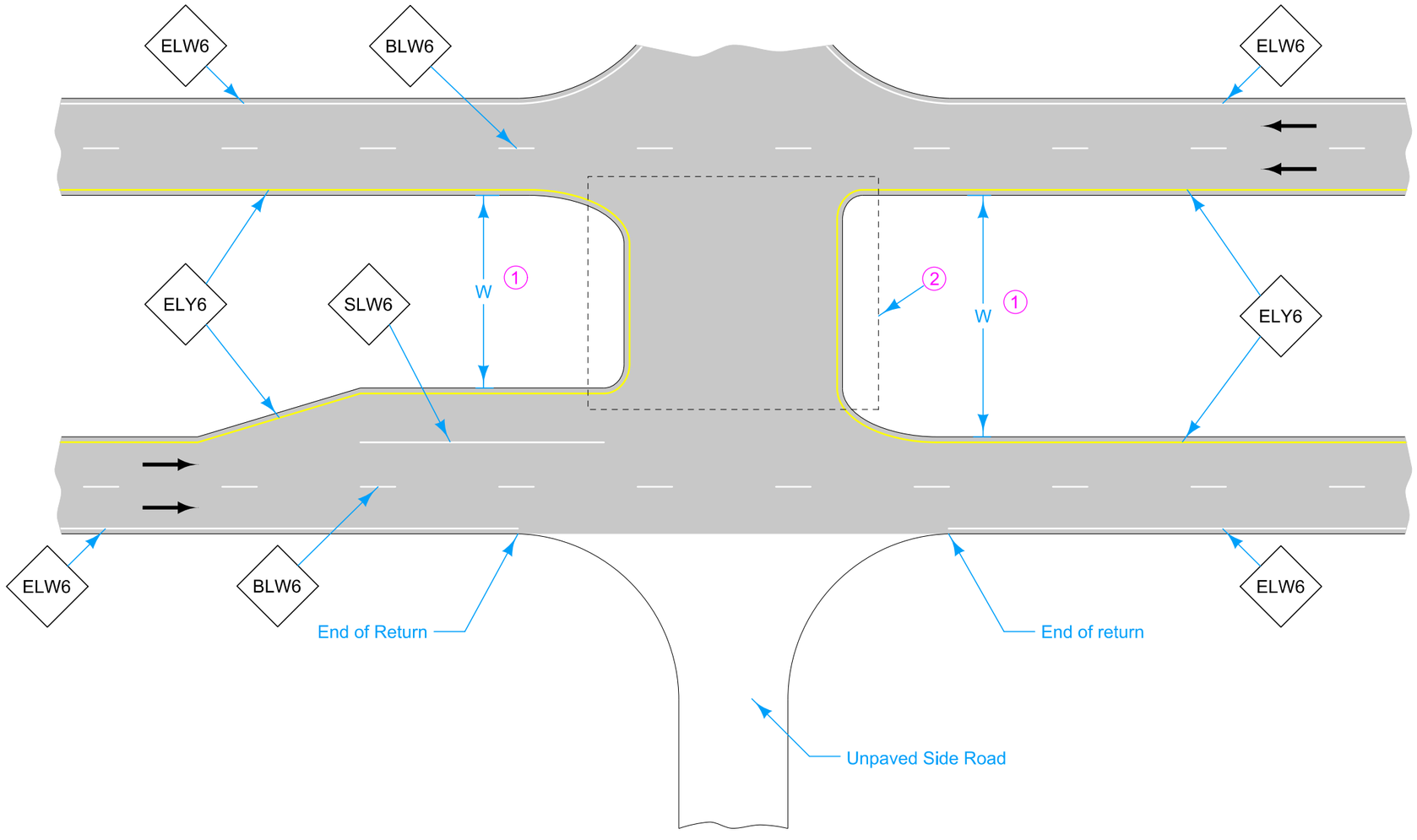
SHEET 2 of 2

REVISIONS: Modified widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

DIVIDED MULTI-LANE ROADWAY WITH RIGHT TURN LANES

DESIGNER INFORMATION



For line information, see PM-110.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
ELY6	→	ELY4
BCY6	→	BCY4
NPY6	→	NPY4
DCY6	→	DCY4
BLW6	→	BLW4
SLW6	→	SLW4

(1) W is the width between pavement edges. Measure W from pavement edge to pavement edge. When W values are different, use the smaller of the two.

(2) See PM-760 for markings placed in the median.

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-29

LEGEND	
←	Direction of Traffic
BLW6	Broken Lane Line (White)
ELW6	Edge Line Right (White)
ELY6	Edge Line Left (Yellow)
SLW6	Solid Lane Line (White)

UNPAVED SIDE ROAD

IOWA DOT

REVISION
1 10-15-24

STANDARD ROAD PLAN

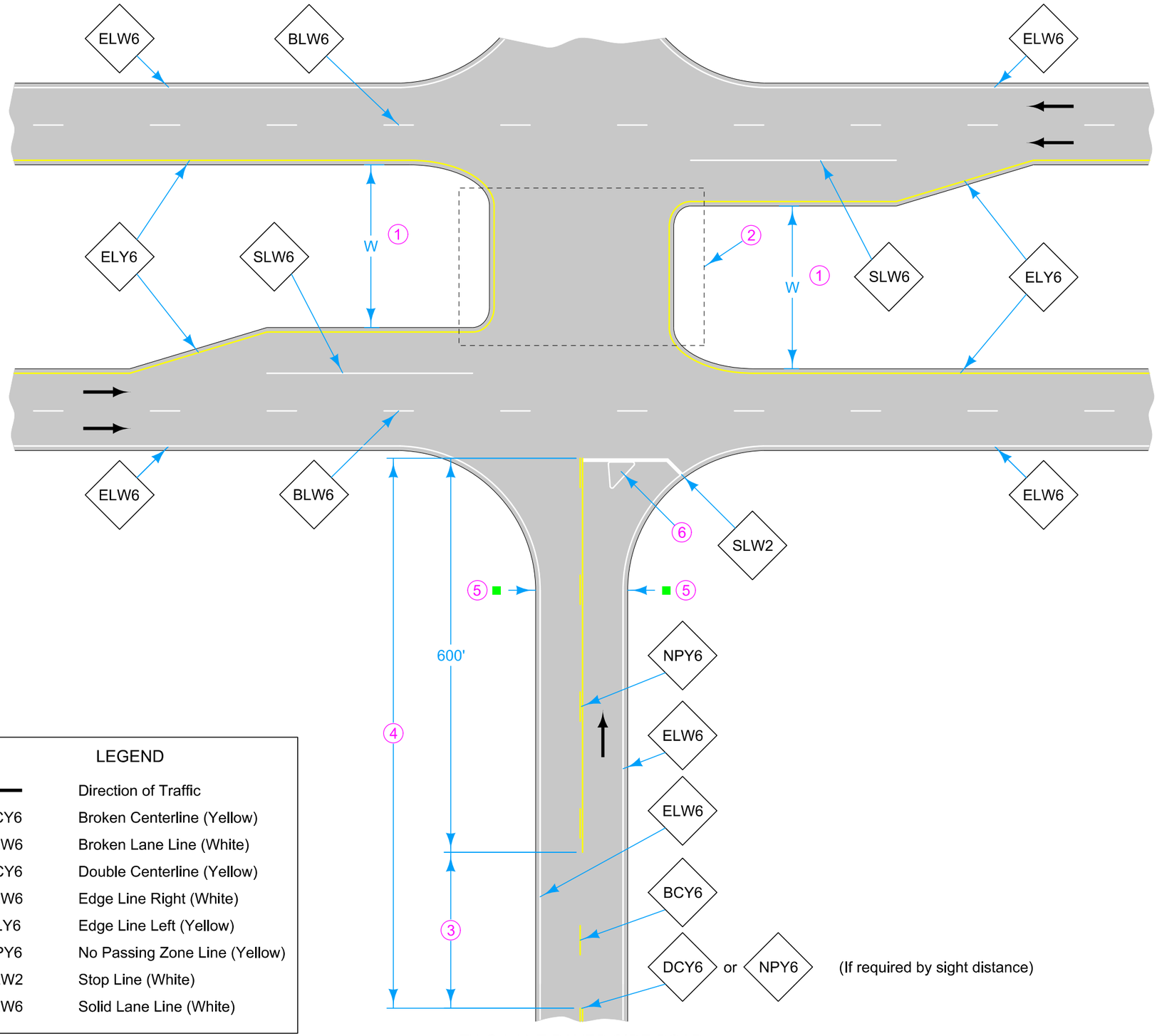
PM-562

SHEET 1 of 2

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

DIVIDED MULTI-LANE ROADWAY WITH LEFT TURN LANES



TWO-LANE PAVED SIDE ROAD

1. W is the width between pavement edges. Measure W from pavement edge to pavement edge. When W values are different, use the smaller of the two.
2. See PM-760 for markings placed in the median.
3. If less than 400 feet, join Yellow Lines.
4. If less than 1000 feet, extend Yellow Line to Stop Line.
5. When the free flow roadway has edge lines but the stop controlled roadway does not, end edge lines at the end of returns (marked by ■s). If both roadways have edge lines, continue edge lines around the returns.
6. If Island present, see PM-120.

LEGEND

←	Direction of Traffic
BCY6	Broken Centerline (Yellow)
BLW6	Broken Lane Line (White)
DCY6	Double Centerline (Yellow)
ELW6	Edge Line Right (White)
ELY6	Edge Line Left (Yellow)
NPY6	No Passing Zone Line (Yellow)
SLW2	Stop Line (White)
SLW6	Solid Lane Line (White)

IOWA DOT

STANDARD ROAD PLAN

REVISION 1 10-15-24

PM-562

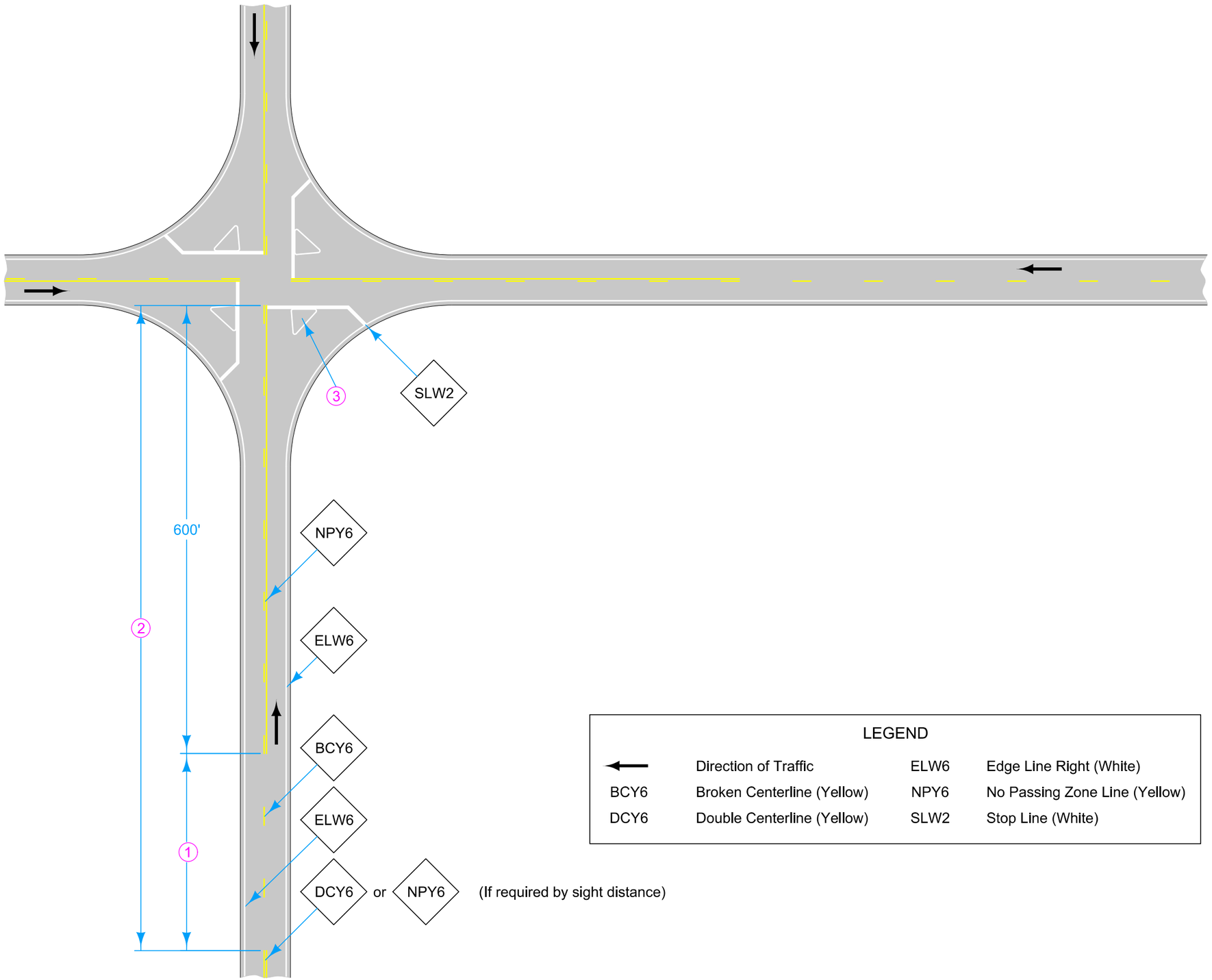
SHEET 2 of 2

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

DIVIDED MULTI-LANE ROADWAY WITH LEFT TURN LANES

DESIGNER INFORMATION



For line information, see PM-110.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6	→	ELW4
BCY6	→	BCY4
NPY6	→	NPY4
DCY6	→	DCY4

1. If less than 400 feet, join Yellow Lines.
2. If less than 1000 feet, extend Yellow Line to Stop Line.
3. If Island present, see PM-120.

LEGEND

←	Direction of Traffic	ELW6	Edge Line Right (White)
BCY6	Broken Centerline (Yellow)	NPY6	No Passing Zone Line (Yellow)
DCY6	Double Centerline (Yellow)	SLW2	Stop Line (White)

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-22

IOWA DOT

STANDARD ROAD PLAN

REVISION 3 10-15-24

PM-620

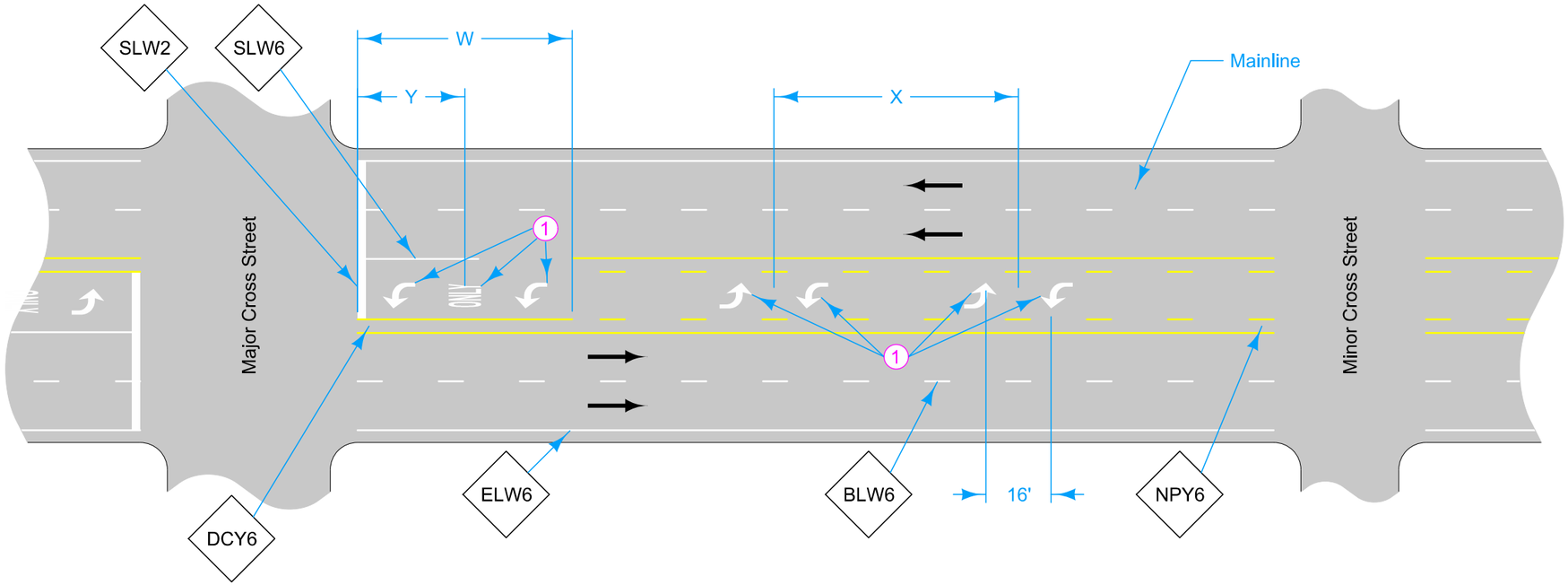
SHEET 1 of 1

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

TWO-LANE ROADWAY WITH NO TURN LANES (FOUR-WAY STOP CONDITION)

DESIGNER INFORMATION



Major Cross Street
Mainline Stop or Signalized Condition

Minor Cross Street
No Mainline Stop or Signalized Condition

Terminate all mainline centerline markings at the edge of the property line.

Spacing between center of Symbols and Legends used within Left Turn Only Storage Length is $37\frac{1}{2}$ feet.

For line information, see PM-110.

For symbol and legend information, see PM-111.

(1) Symbol and Legend (when listed in 108-29).

W Storage Length to be 150 feet minimum.

X Typical spacing (in feet) between sets of arrows should be approximately 10 times the speed limit (MPH) or one set located at mid-block.

Y Distance from lane line termination to center of Left Turn Only Symbol and Legend is $\frac{1}{2}$ the Storage Length.

LEGEND

←	Direction of Traffic	NPY6	No Passing Zone Line (Yellow)
BLW6	Broken Lane Line (White)	SLW2	Stop Line (White)
DCY6	Double Centerline (Yellow)	SLW6	Solid Lane Line (White)
ELW6	Edge Line Right (White)		

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELW6 → ELW4
NPY6 → NPY4
DCY6 → DCY4
BLW6 → BLW4
SLW6 → SLW4

Possible Contract Items:
- Pavement Marking Line Items
- Pavement Marking Symbol and Legend Items

Possible Tabulations:
- 108-22
- 108-29

IOWA DOT

STANDARD ROAD PLAN

REVISION	
2	10-15-24

PM-650

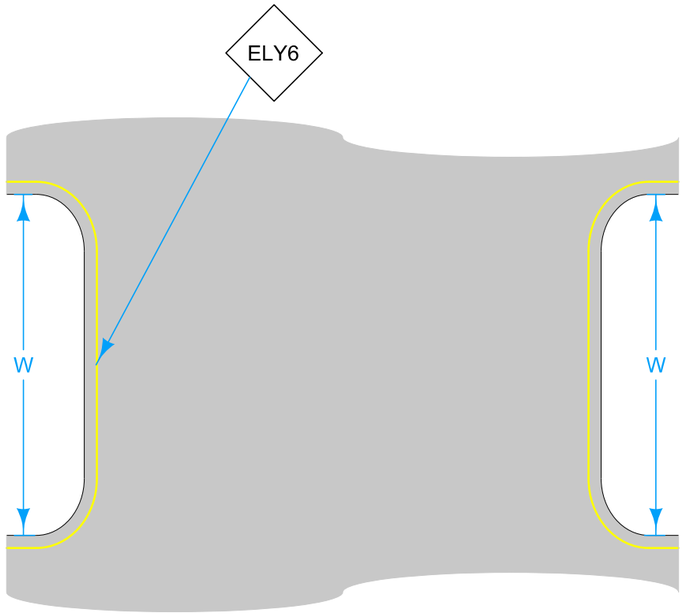
SHEET 1 of 1

REVISIONS: Modified line widths from 4 inches to 6 inches.

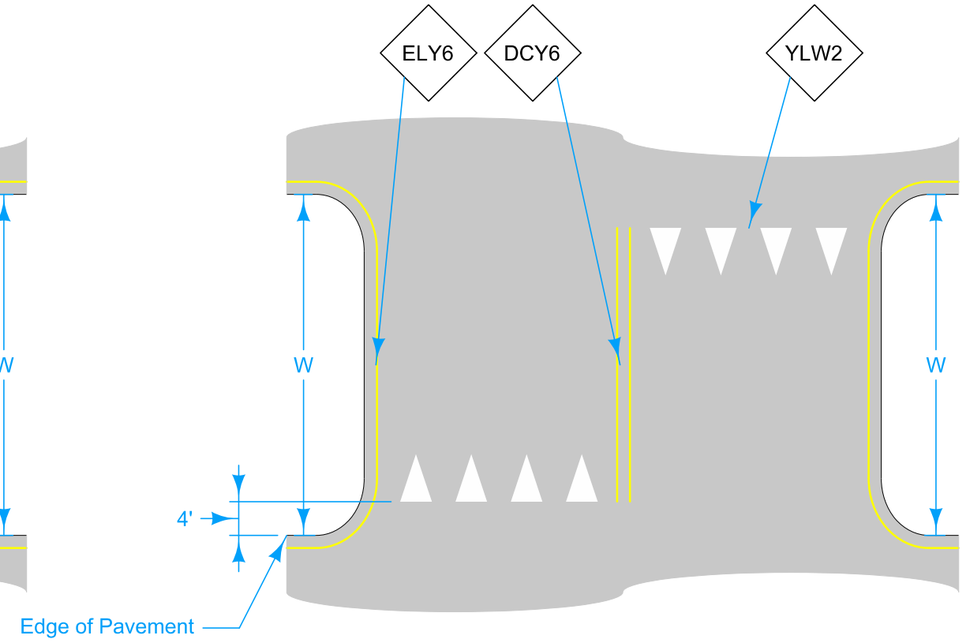
APPROVED BY DESIGN METHODS ENGINEER

MULTI-LANE ROADWAY WITH TWO-WAY LEFT TURN LANE

DESIGNER INFORMATION



W < 30 FEET
NO MARKINGS CONDITION



30 FEET < W < 80 FEET
YIELD MARKINGS CONDITION

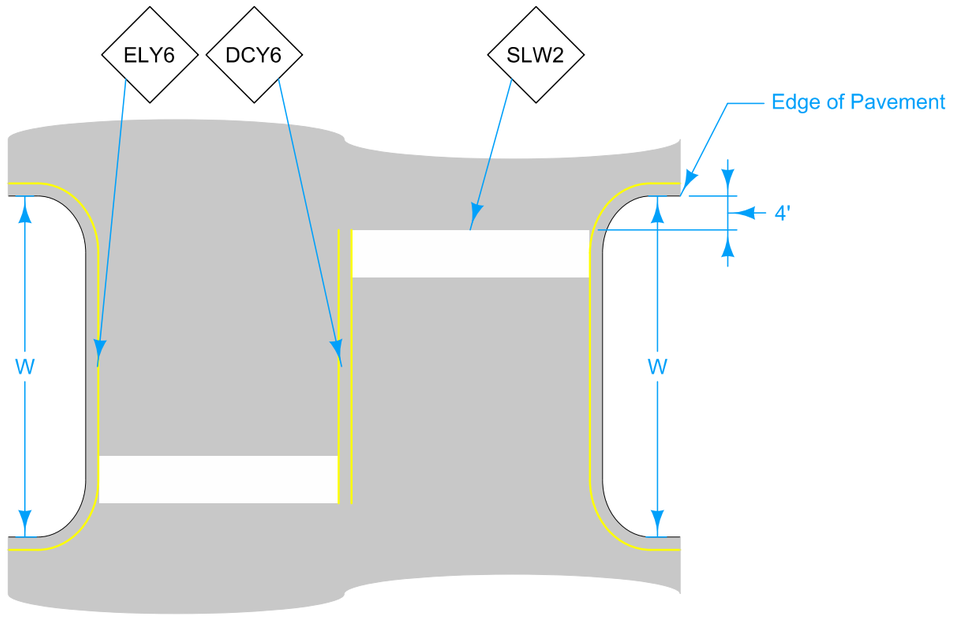
W is the width between pavement edges. Measure W from pavement edge to pavement edge. When W values are different, use the smaller of the two.

Omit median edge lines if neither connecting side road has painted edge lines.

For line information, see PM-110.

For projects not on the Primary system the following substitutions may be made. See plan sheets for substitutions.

ELY6	→	ELY4
DCY6	→	DCY4



W > 80 FEET
STOP MARKINGS CONDITION

LEGEND	
←	Direction of Traffic
DCY6	Double Centerline (Yellow)
ELY6	Edge Line Left (Yellow)
SLW2	Stop Line (White)
YLW2	Yield Line (White)

Possible Contract Item:
Pavement Marking Line Items

Possible Tabulation:
108-29

IOWA DOT

STANDARD ROAD PLAN

REVISION	
2	10-15-24

PM-760

SHEET 1 of 1

REVISIONS: Modified line widths from 4 inches to 6 inches.

APPROVED BY DESIGN METHODS ENGINEER

DIVIDED MULTI-LANE ROADWAY MEDIAN