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06-14-2024 LETTING ITEM 144

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**STANDARDS**

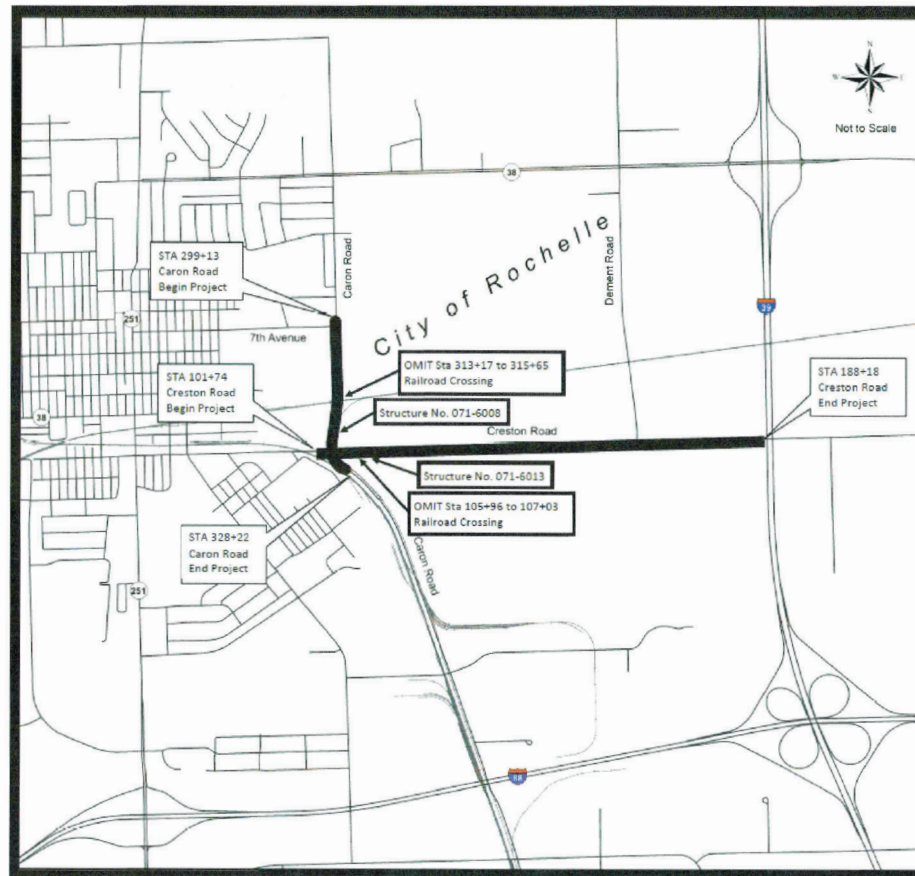
NUMBER	TITLE
280001-07	Temporary Erosion Control Systems
424000-11	Perpendicular Curb Ramps for Sidewalks
606001-08	Concrete Curb Type B and Combination Concrete Curb and Gutter
701006-05	Off-Rd Operations, 2L, 2W, 15'(4.5 m) to 24" (600 mm) from Pavement Edge
701201-05	Lane Closure, 2L, 2W, Day Only for Speeds • 45 MPH
701301-04	Lane Closure, 2L, 2W, Short Time Operations
701306-04	Lane Closure, 2L, 2W, Slow Moving Operations Day Only, for Speeds • 45 MPH
701311-03	Lane Closure, 2L, 2W Moving Operations - Day Only
701701-10	Urban Lane Closure, Multilane Intersection
701801-06	Sidewalk, Corner or Crosswalk Closure
701901-09	Traffic Control Devices
720011-01	Metal Post for Signs, Markers & Delineators
728001-01	Telescoping Steel Sign Support
729001-01	Application of Types A & B Post
780001-05	Typical Pavement Markings
BLR 21-9	Typical Application of Traffic Control Devices for Construction on Rural Highways

**CARON ROAD:**  
 ADT = 3600 (2030) 10% TRUCKS  
 URBAN MINOR ARTERIAL  
 LAFO POLICY

**CRESTON ROAD:**  
 ADT = 3600 (2030) 10% TRUCKS  
 URBAN MAJOR COLLECTOR  
 LAFO POLICY

Gross Length of Improvements = 11,816 Feet or 2.24 Miles  
 Net Length of Improvements = 11,461 Feet or 2.17 Miles

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PROPOSED**  
**HIGHWAY PLANS**  
**STREET RESURFACING PROJECT**  
**FAU 5447 (CRESTON RD) - CARON RD TO I-39**  
**FAU 5458 (CARON ROAD) - CRESTON RD. TO 7TH AVE**  
**SECTION: 20-00116-00-RS**  
**PROJECT: V0FE(671)**  
**JOB NO: C-92-047-21**  
**CITY OF ROCHELLE**  
**OGLE COUNTY**  
**CONTRACT NO: 85760**



Location Map  
Not to Scale

Route No.	Section	County	Total Sheets	Sheet No.
5447/5458	20-00116-00-RS	OGLE	17	1
Federal Project: V0FE(671)				
Contract No: 85760				



Full sized plans have been prepared using standard engineering scales. Reduced sized plans will not conform to standard scales. In making measurements on reduced plans, the above scale may be used

I, SAMUEL C. TESREAU, A FULLY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS, HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION

Signed: *Samuel C. Tesreau*  
 SAMUEL C. TESREAU, P.E.  
 CITY ENGINEER  
 LICENSE EXPIRES 11/30/2025  
 Date: *4/18/2024*

AGENCY RESPONSIBLE FOR LETTING

Approved: *4-18*, 2024  
 City Manager, City of Rochelle

Passed: *April 22*, 2024  
 District 2 Engineer of Local Roads

Released for Bid Based on Limited Review: *4/22*, 2024  
 Deputy Director of Highways Region 2 Engineer



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**City of Rochelle**  
**Engineering Department**  
 1030 S. 7th Street, Rochelle, IL 61068

PROJECT ENGINEER: SAM TESREAU, (815) 561-2023  
FIELD TECHNICIAN: CURT WARD, (815) 561-2025

**SUMMARY OF QUANTITIES  
CONSTRUCTION TYPE CODE: 0005**

Item No	Items	Unit	Quantity
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	191.00
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4,800.00
25000110	SEEDING, CLASS 1A	ACRE	0.04
25000210	SEEDING, CLASS 2A	ACRE	0.94
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	88.00
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	88.00
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	88.00
25100115	MULCH, METHOD 2	ACRE	0.98
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	1,063.00
35101400	AGGREGATE BASE COURSE, TYPE B	TON	3,353.00
40200900	AGGREGATE SURFACE COURSE, TYPE B	TON	134.00
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	13,178.00
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	15,753.00
40600385	HMA BINDER COURSE, IL 19.0, N70	TON	3,341.00
40604162	P HMA SURFACE COURSE, IL 9.5, MK "D", N70	TON	5,128.00
42400300	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	SQ FT	603.00
42400500	DETECTABLE WARNINGS	SQ FT	20.00
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"	SQ YD	11,979.00
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	17,170.00
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	480.00
44000600	SIDEWALK REMOVAL	SQ FT	228.00
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	5,537.00
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	320.00
60604400	COMB CONC CURB & GUTTER, TYPE B-6 18	FOOT	480.00
67100100	MOBILIZATION	L SUM	1.00
X7010218	TRAFFIC CONT & PROT, SPECIAL	L SUM	1.00
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	300.00
70300100	SHORT TERM PAVEMENT MARKING	FOOT	581.00
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	192.00
* 78000100	THPL PVT MARKING - LTR & SYM	SQ FT	491.00
* 78000200	THPL PVT MARKING - LINE 4"	FOOT	33,423.00
* 78000400	THPL PVT MARKING - LINE 6"	FOOT	712.00
* 78000600	THPL PVT MARKING - LINE 12"	FOOT	1,518.00
* 78000650	THPL PVT MARKING - LINE 24"	FOOT	83.00
* 78001100	PAINT PVT MARKING - LTR & SYM	SQ FT	84.00
* 78001110	PAINT PVT MARKING - LINE 4"	FOOT	1,606.00
* 78001130	PAINT PVT MARKING - LINE 6"	FOOT	368.00
* 78001150	PAINT PVT MARKING - LINE 12"	FOOT	362.00
* 78001180	PAINT PVT MARKING - LINE 24"	FOOT	36.00
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	1,379.00
X0300037	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	44,848.00
X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	1,213.00

\* SPECIALTY ITEMS

**GENERAL NOTES:**

Specifications for this project shall be IDOT "Standard Specifications for Road and Bridge Construction", latest edition, IDOT "Recurring Special Provisions", latest edition, and City of Rochelle Special Provisions unless otherwise approved by the Engineer. All reference to "Engineer" shall mean the City Engineer or his authorized representative.

Any construction or work indicated in the plans or specified in the proposal shall be completed by the Contractor. Any construction or work not included in a pay item shall be incidental to the project contract cost. Quantities shown are estimates and for information only. The contractor shall verify all quantities.

Call J.U.L.I.E. (1-800-892-0123) for utility location information prior to excavation. The location for existing utilities as shown on the plans are approximate and based on best information available, but not guaranteed. It shall be the Contractor's responsibility to ascertain their exact location from the utility companies and by field inspection. The contractor shall verify all underground utility locations in the field. The Contractor shall be responsible for "potholing" or locating utilities both vertical and horizontal, within the project limits or along any sewer trench, before installation of any proposed improvements to determine if conflicts exist with said improvements. The contractor shall be responsible for contacting the utility company for any adjustments. This item shall be considered incidental to the project contract.

Protect all overhead and underground utility lines during construction. All Electric, Utility pole or street light, Water, and Sanitary Sewer adjustments and/or relocations will be performed by Rochelle Municipal Utilities unless otherwise directed by the Engineer.

Right-of-way line and property lines indicated on the plans are approximate. The contractor shall carefully preserve all existing property markers until an authorized surveyor has referenced their location. Property markers damaged by the contractor shall be replaced at the expense of the contractor. All property corner monumentation shall be restored to the condition existing before construction began.

Top of curb (TOC) elevations indicated on the plans are to the top back of curb.

**EARTHWORK, TRENCHBACKFILL, SUBGRADE AND PAVEMENT PREPARATION NOTES:**

All excess earth excavation or unsuitable material shall be disposed of by the contractor off-site in accordance with IDOT requirements. This item shall be considered incidental to applicable pay items.

The upper 12 inches of subgrade below pavements, or new fills shall be brought to within ±2% of optimum moisture and compacted to not less than 90% of maximum density. Optimum moisture is estimated to be in the range of 8% to 9% during cool or wet seasons, therefore it may be necessary to disk and aerate the existing upper 12 inches of soil to achieve optimum moisture content.

No fill or backfill material shall be placed over frozen, muddy, or otherwise unstable material.

All fill or backfill shall be placed beneath exterior paved areas shall be compacted to not less than 90% of maximum density.

All fill and backfill shall be placed in lifts not greater than 8 inches in thickness, loose measurement, prior to compaction.

Areas of unsuitable and unstable subgrade and aggregate base course shall be removed, disposed of and treated in accordance with the Special Provisions and as directed by the Engineer.

All density measurements referenced above shall be in accordance with ASTM designation D1557-79 modified proctor method.

Contractor is responsible for maintaining a final grade that is suitable for drainage, seeding and landscaping (minimum of 6" of topsoil). Contractor shall restore all disturbed areas to preconstruction conditions or better as directed by the Engineer.

Contractor shall protect and prevent damage to existing trees which are not indicated on the plans to be removed.

The contractor shall catalog, document and remove existing street signs and posts and stockpile them at a safe location to prevent damage and theft. This work shall be considered incidental to the project.

If existing brick or other pavement base course is encountered during HMA surface removal operations the depth and quantity of HMA surface removal shall be adjusted in accordance with section 440 of the IDOT Standard Specifications.

**EROSION AND SEDIMENTATION CONTROL NOTES:**

Erosion control practices shall be constructed in accordance with the IDOT Standard Specifications, the Standards for Soil Erosion and Sediment Control as contained in IEPA/WPC/ 87-012 or current edition and according to Procedures and Standards for Urban Soil Erosion and Sedimentation Control in Illinois, latest edition, and according to the Standards of the City of Rochelle.

A temporary sediment barrier of straw bales, filter fabric, or other approved barrier shall be placed around each storm sewer inlet potentially impacted by work. This work shall be considered incidental to the project contract cost. Fabric filter fences or straw bales shall be placed around any stock pile with more than 10 cu. yd. of material. At the end of each work day, the contractor shall sweep or clean (not flush) and dispose of any construction soil material and debris from the street.

The Engineer shall determine the adequacy of the contractor's erosion control efforts. The Engineer or his designated representative shall have full authority to suspend or limit the contractor's operations pending adequate performance of erosion control methods.

The contractor shall inspect erosion control structures daily and immediately after any major storm. All mud and debris shall be swept clean from roadways at the end of each working day or as directed by the Engineer. This item shall be considered incidental to the contract.

Refer to the Special Provisions for further requirements of contract pay items.

Location and Mixture Use(s)	HMA Chart		
	Surface	Binder	Shoulders
PG:	SBS PG 70-22	PG 64-22	SBS PG 70-22
Design Air Voids	4.0 @ N70	4.0 @ N70	4.0 @ N70
Mixture Composition	IL 9.5	IL 19.0	IL 19.0
Fric Agg	D	NA	NA
Mix Weight	112 lbs/sy/in	NA	NA
Quality Management Program	QC/QA	QC/QA	QC/QA
Sublot Size	NA	NA	NA
Material Transfer Device	NA	NA	NA

Station	SCHEDULE OF QUANTITY			
	Remove & Dispose Unsuitable Materials (Cubic Yard)	Subbase Granular Material (Ton)	Aggregate Base Course, Type B (Ton)	Pavement Removal Special (Square Yard)
103+00 - 104+25	55	104	105	167
165+39 - 166+50	49	92	93	148
183+66 - 186+34	NA	703	NA	715
299+70 - 300+25	24	45	46	73
305+00 - 300+23	10	19	19	30
327+20 327+80	53	100	50	80
HMA Shoulder Agg Base Crse	NA	NA	3040	NA
<b>Total</b>	<b>191</b>	<b>1063</b>	<b>3353</b>	<b>1213</b>

\*Limits of Pavement Removal and Removal and Disposal of Unsuitable Materials subject to change per the direction of the Engineer.



City of Rochelle  
Engineering Department  
1030 S. 7th Street, Rochelle, IL 61068

PROJECT:

Caron Road & Creston Road Improvements  
MFT. Section #20-00116-00-RS  
2024

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	Per IDOT Comments	3/15/2024	ST
2	Per IDOT Comments	4/4/2024	ST
3	Per IDOT Comments	4/12/2024	ST
4	Per IDOT Comments	4/18/2024	ST

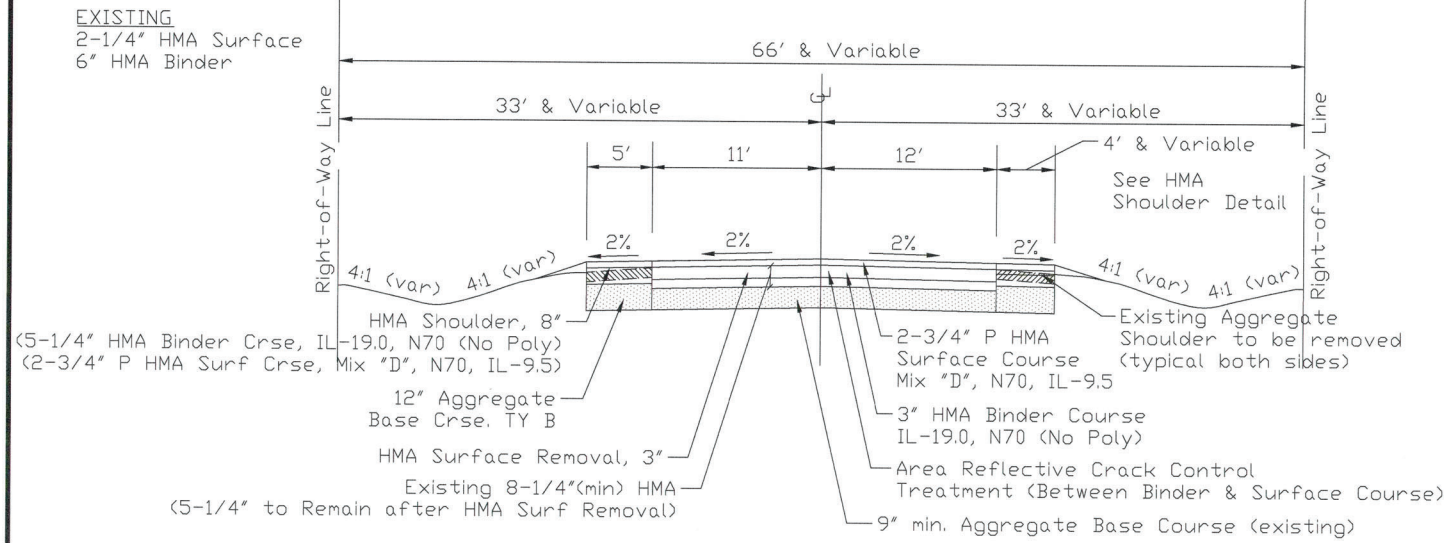
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General Notes/Summary of Quantities

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CHECKED BY: ST	HORIZ SCALE: NA	2 of 17
DATE: 12/5/2023	VERT SCALE: NA	

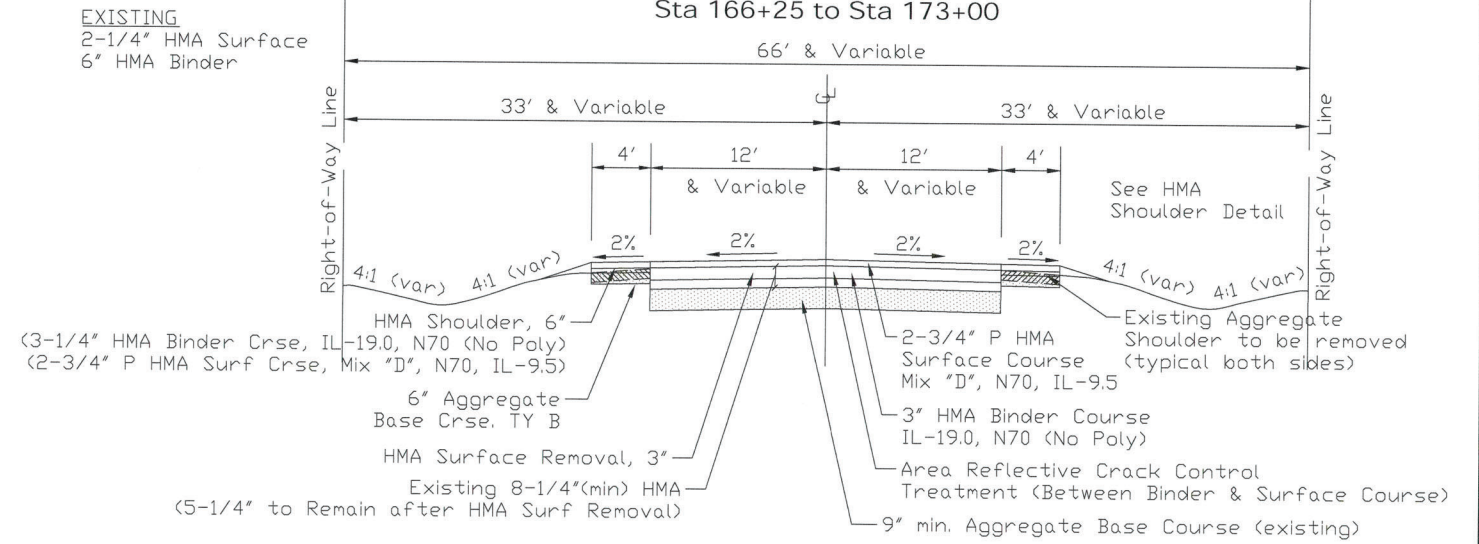
Proposed Typical Section  
Creston Road

Sta 101+74 to Sta 104+70



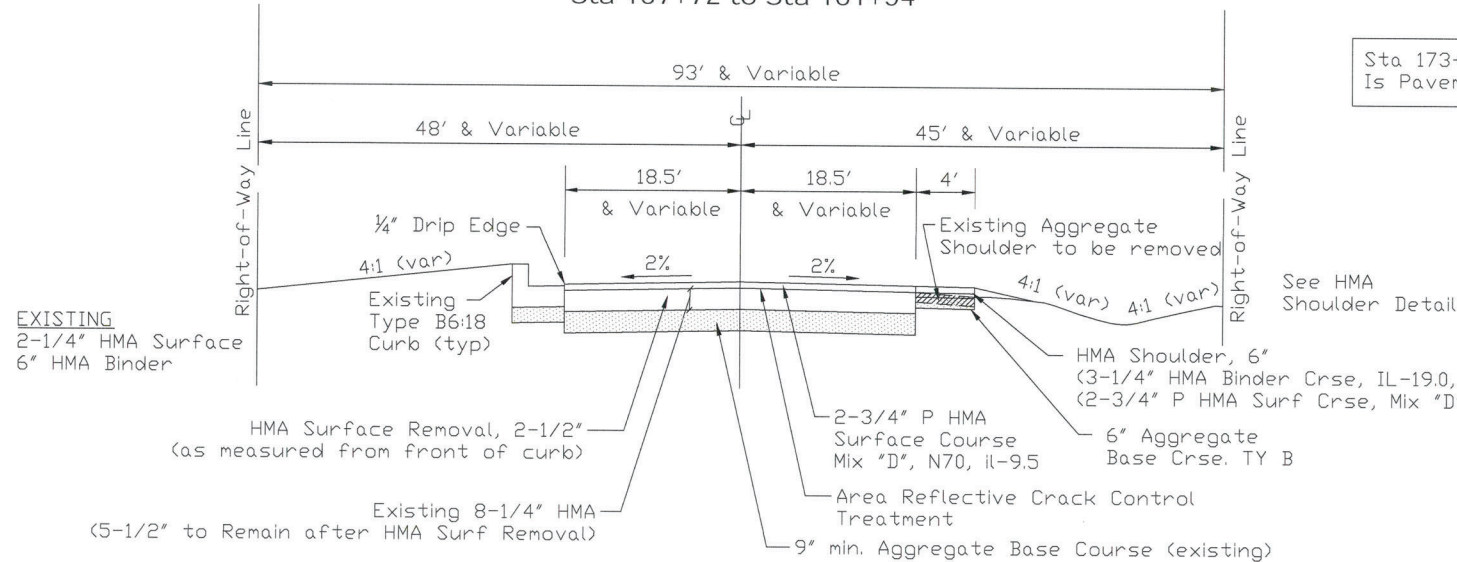
Proposed Typical Section  
Creston Road

Sta 108+24 to Sta 157+72  
Sta 166+25 to Sta 173+00



Proposed Typical Section  
Creston Road

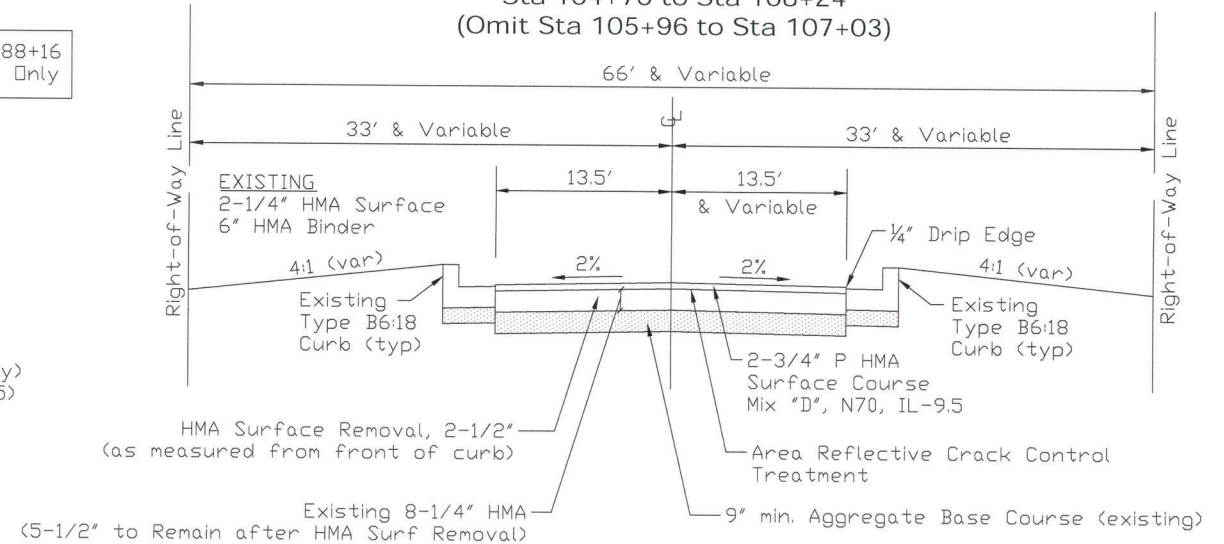
Sta 157+72 to Sta 161+94



Sta 173+00 To Sta 188+16  
Is Pavement Marking Only

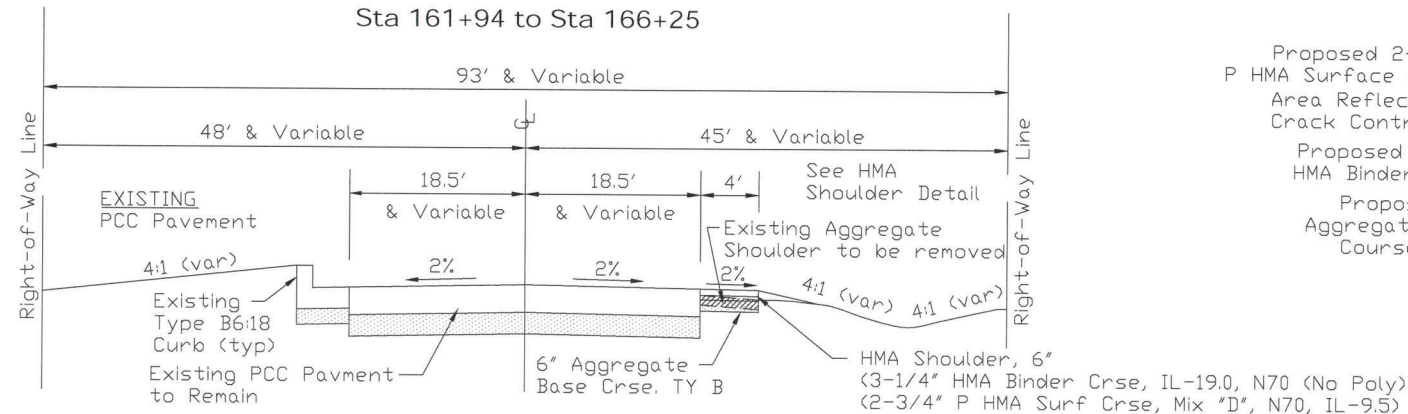
Proposed Typical Section  
Creston Road

Sta 104+70 to Sta 108+24  
(Omit Sta 105+96 to Sta 107+03)

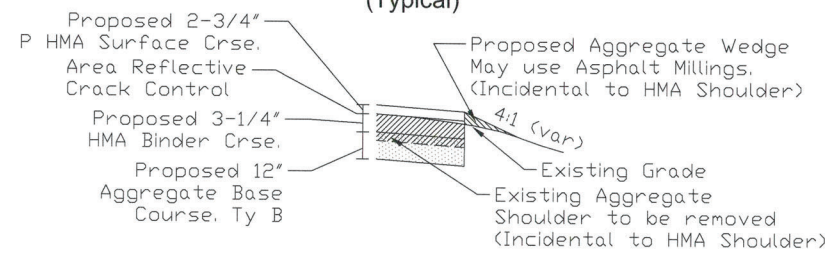


Proposed Typical Section  
Creston Road

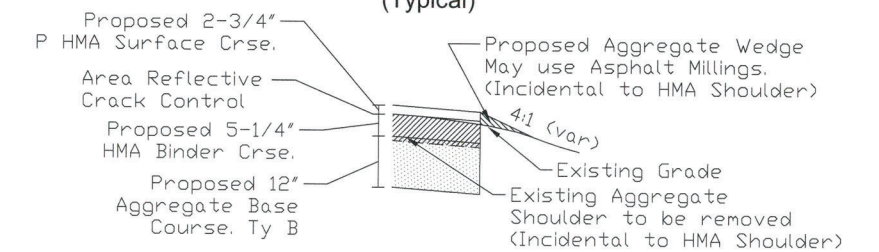
Sta 161+94 to Sta 166+25



Proposed HMA Shoulder, 6"  
(Typical)



Proposed HMA Shoulder, 8"  
(Typical)

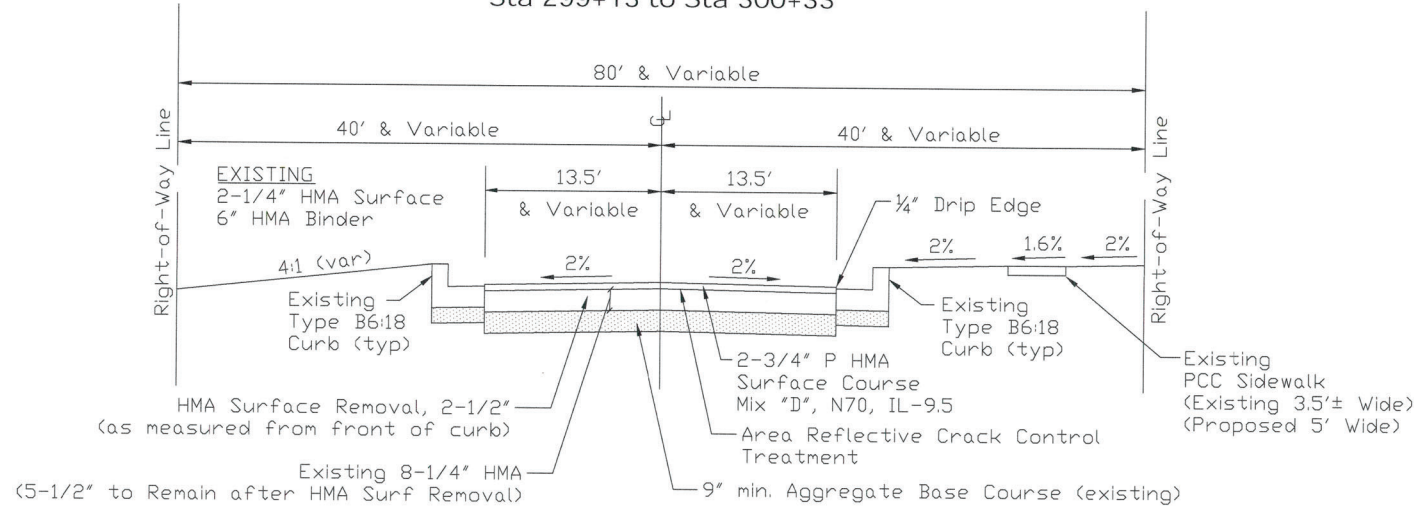


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	Per IDOT Comments	1/30/2024	ST
2	Per IDOT Comments	3/19/2024	ST

DRAWING: Typical Sections - Creston Road		SCALE:	SHEET:
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DATE: 12/5/2023		VERT SCALE: NA	

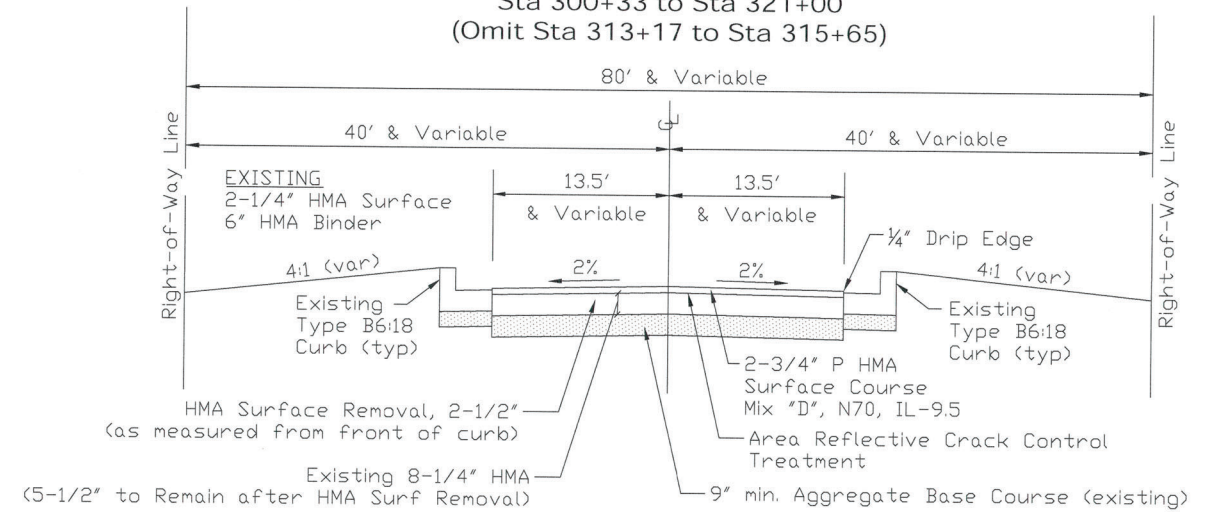
Proposed Typical Section

Caron Road  
Sta 299+13 to Sta 300+33



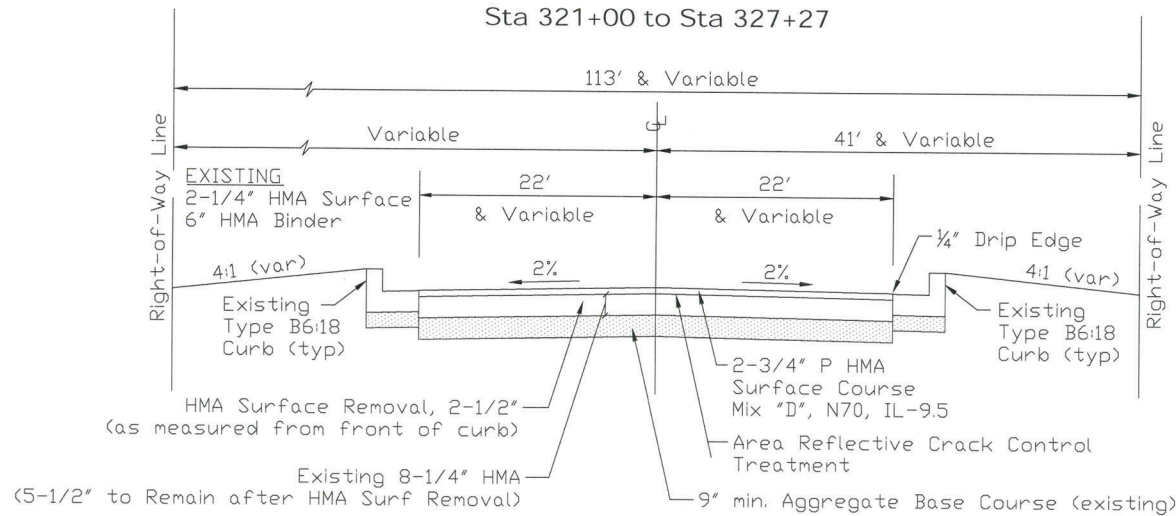
Proposed Typical Section

Caron Road  
Sta 300+33 to Sta 321+00  
(Omit Sta 313+17 to Sta 315+65)



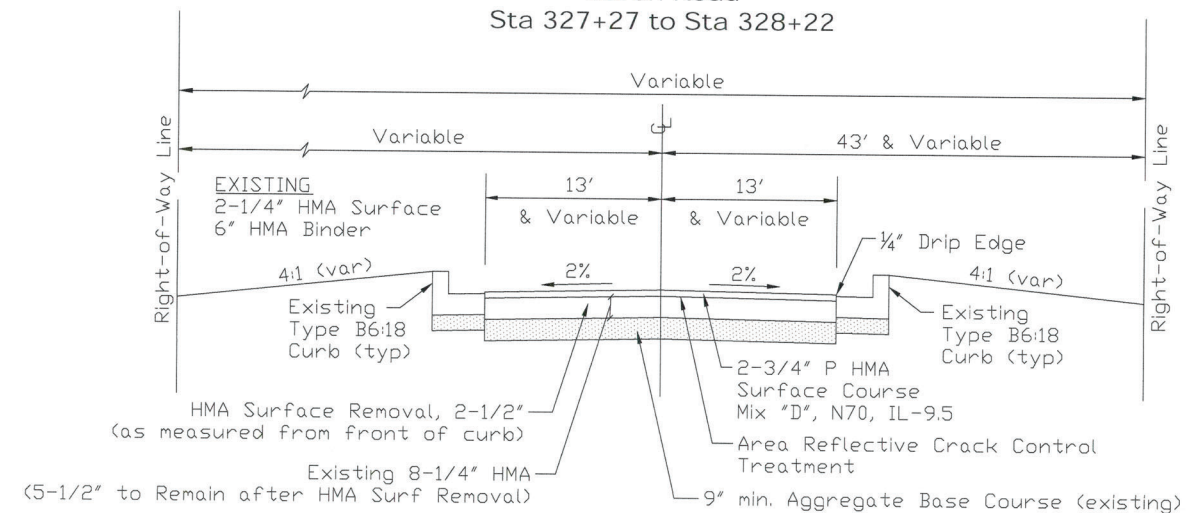
Proposed Typical Section

Caron Road  
Sta 321+00 to Sta 327+27

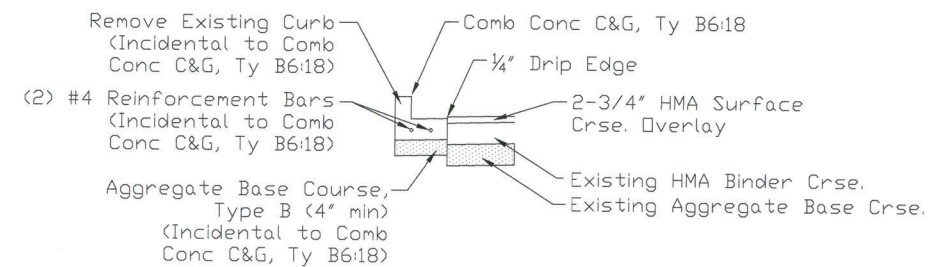


Proposed Typical Section

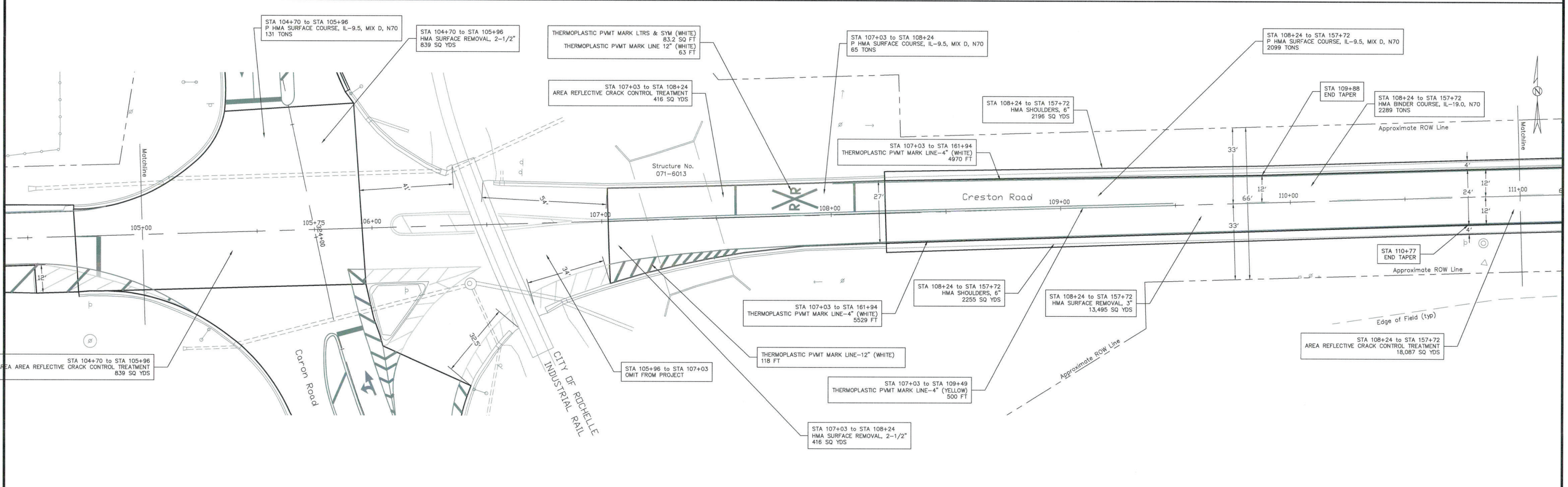
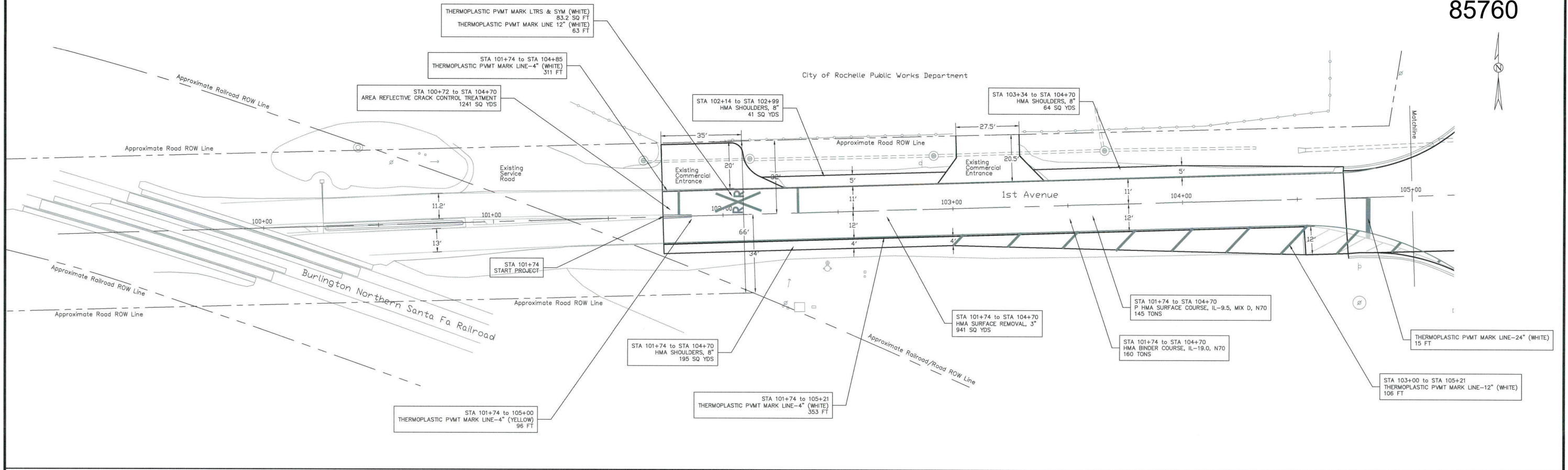
Caron Road  
Sta 327+27 to Sta 328+22



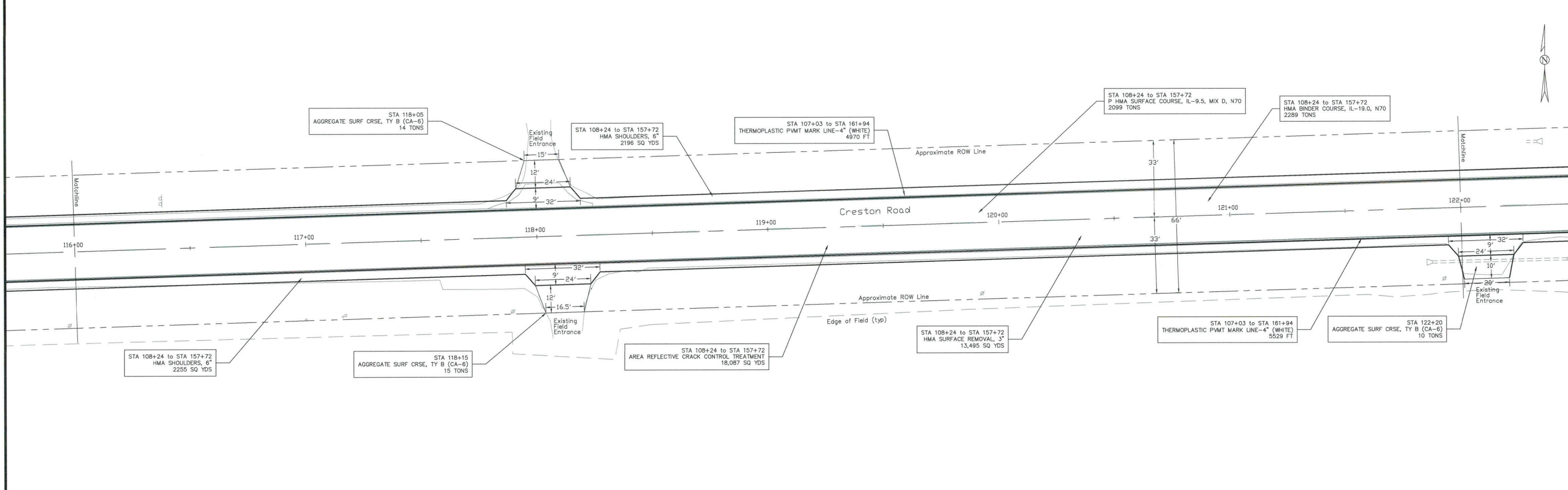
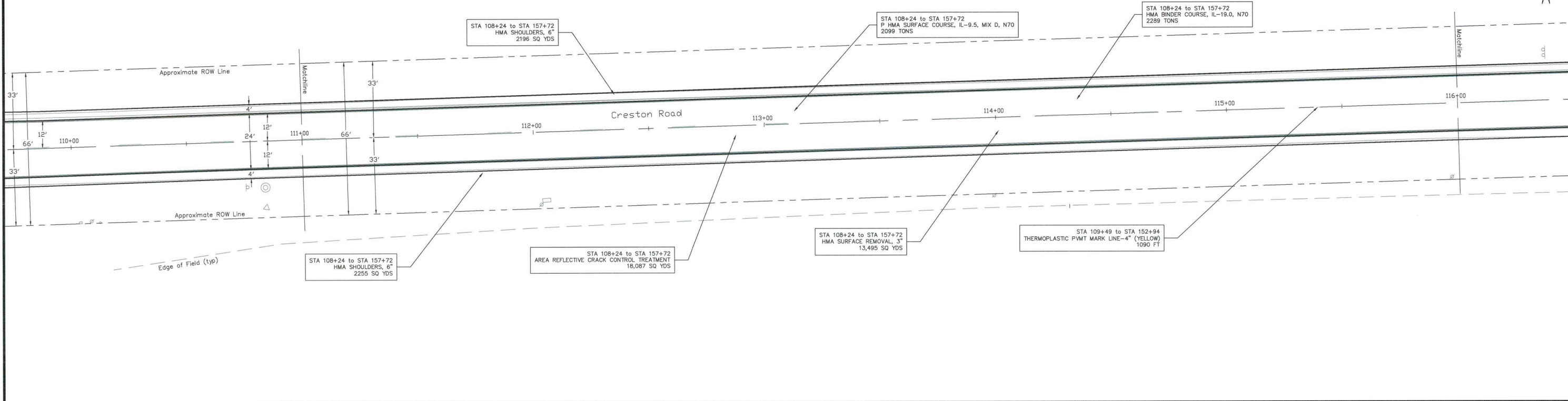
Typical Curb Replacement Detail  
(see plan sheets for locations)



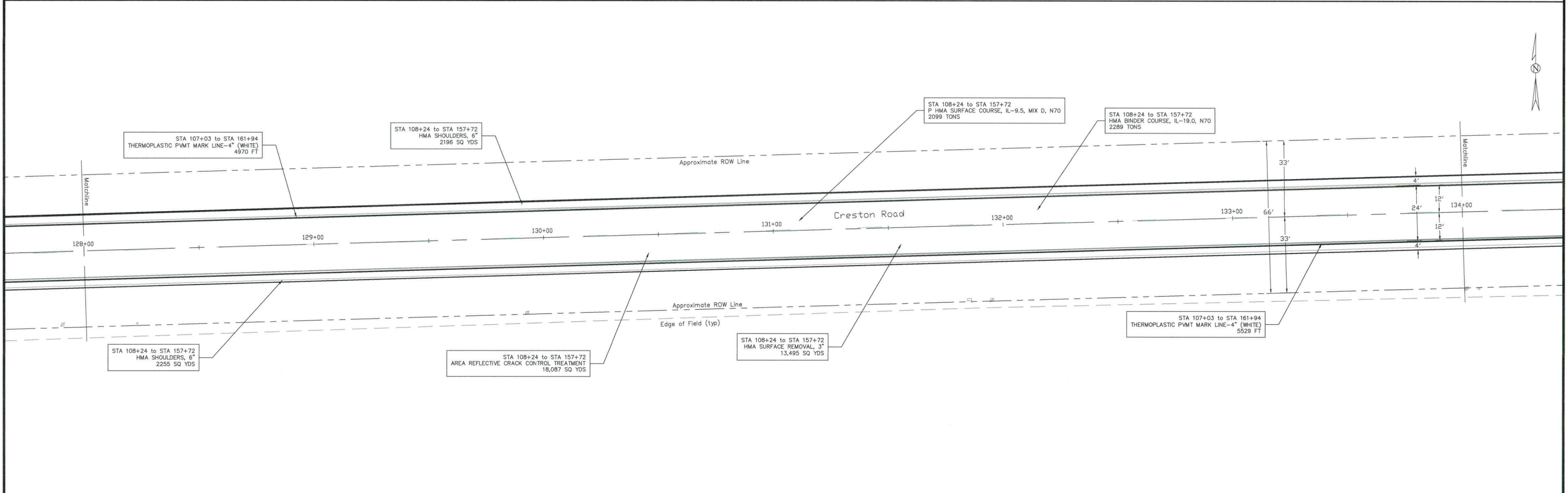
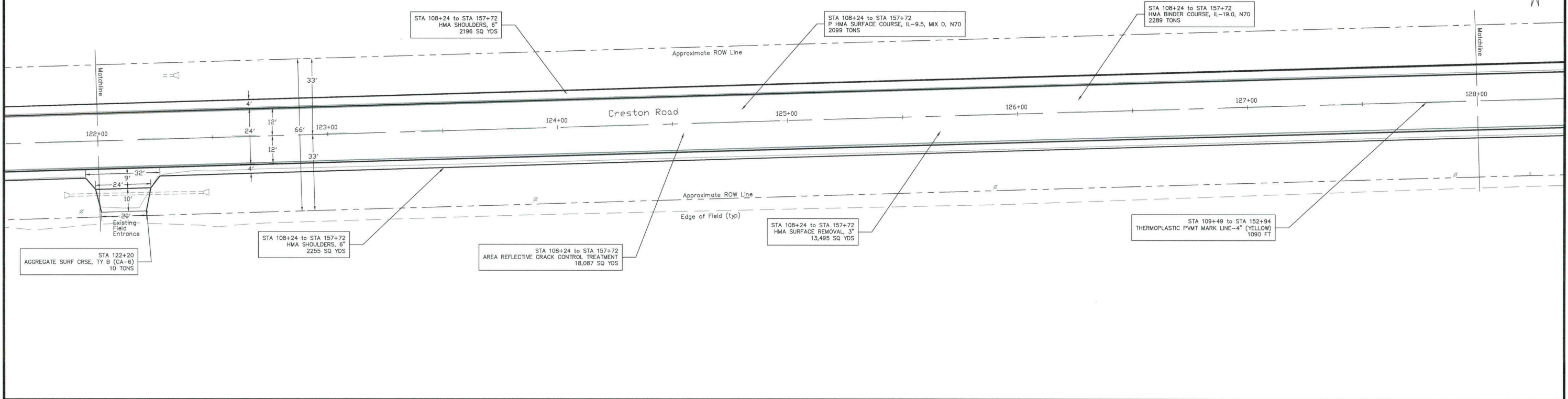
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2	Per IDOT Comments	2/7/2024	ST
3	Per IDOT Comments	3/19/2024	ST



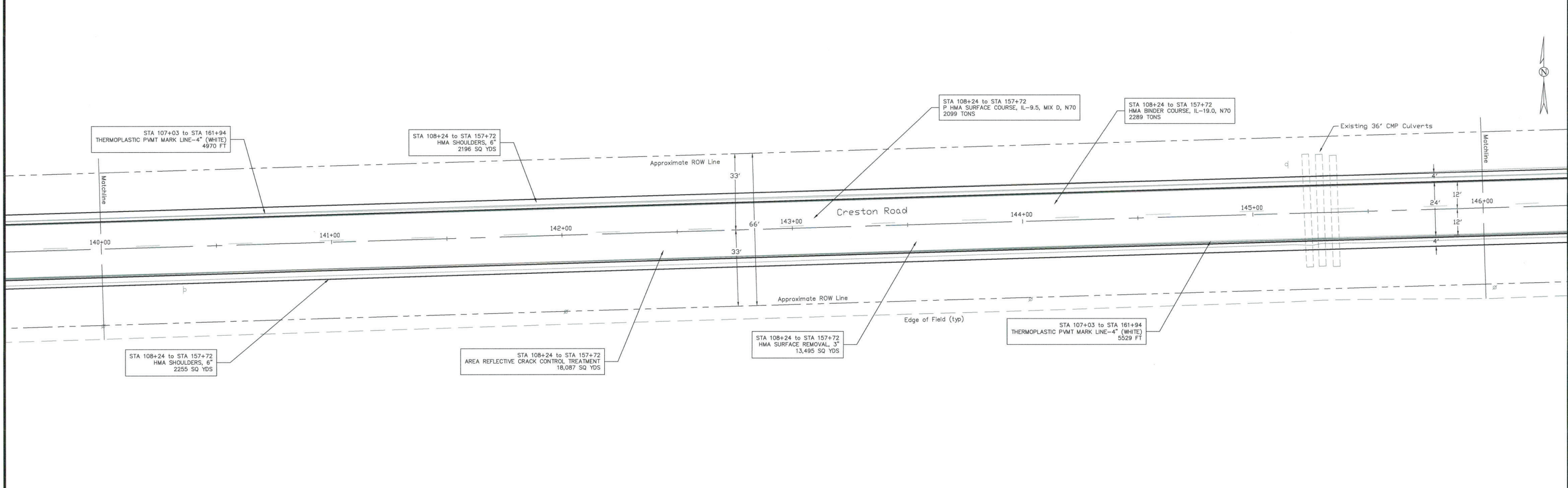
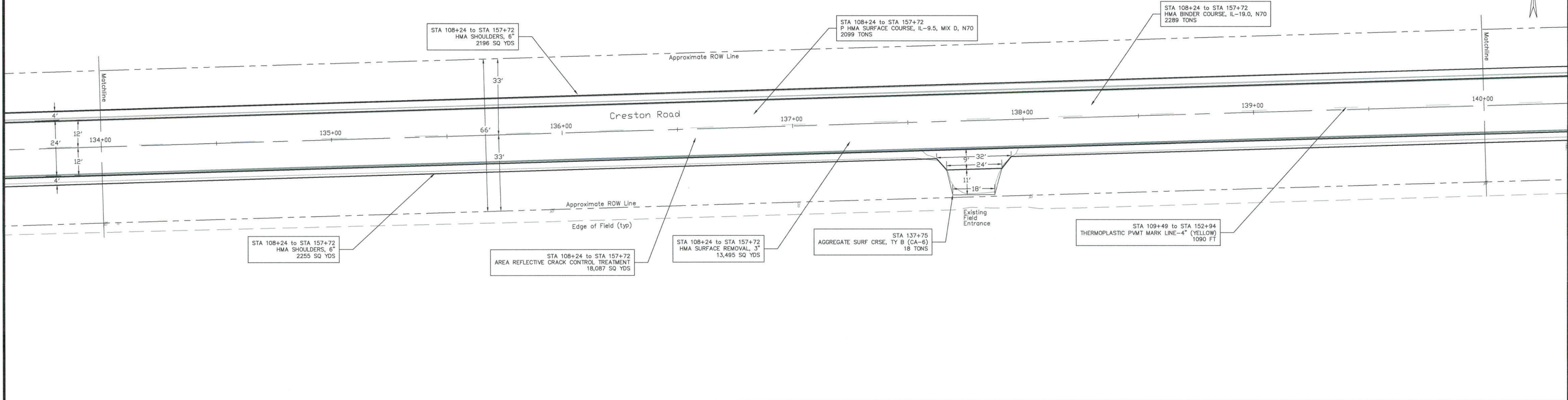
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2	Per IDOT Comments	4/4/2024	ST



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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2	Per IDOT Comments	4/4/2024	ST

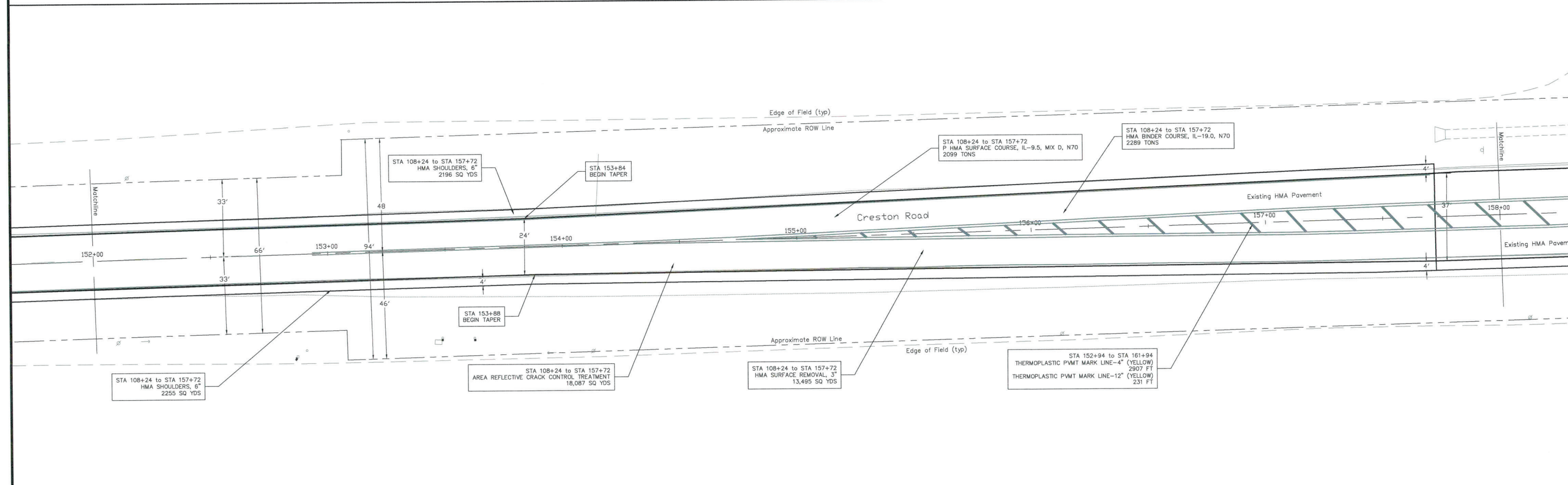
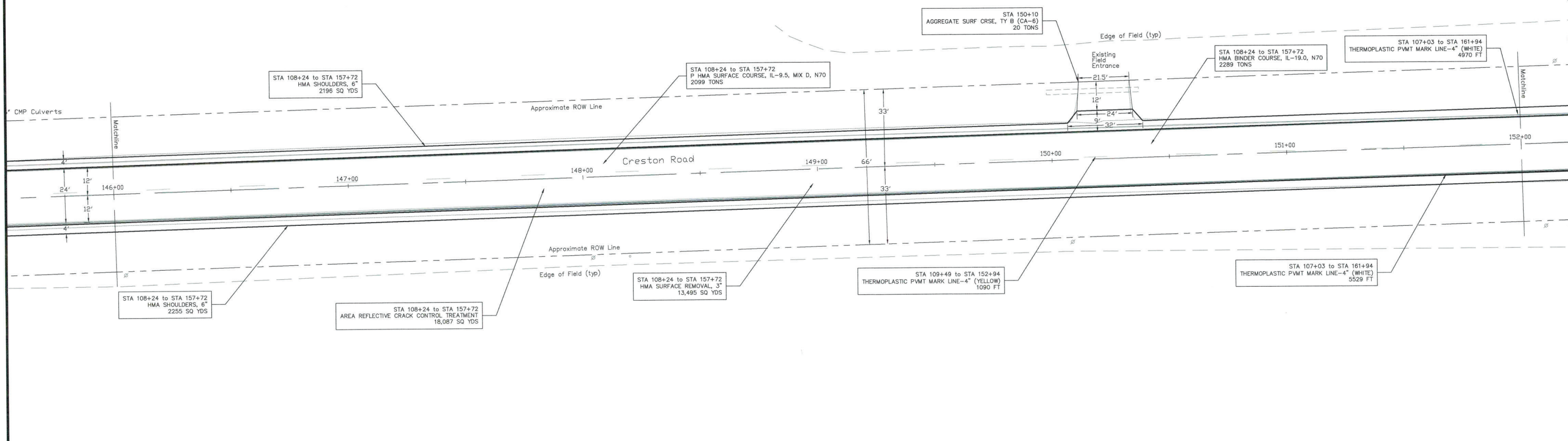


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2	Per IDOT Comments	4/4/2024	ST



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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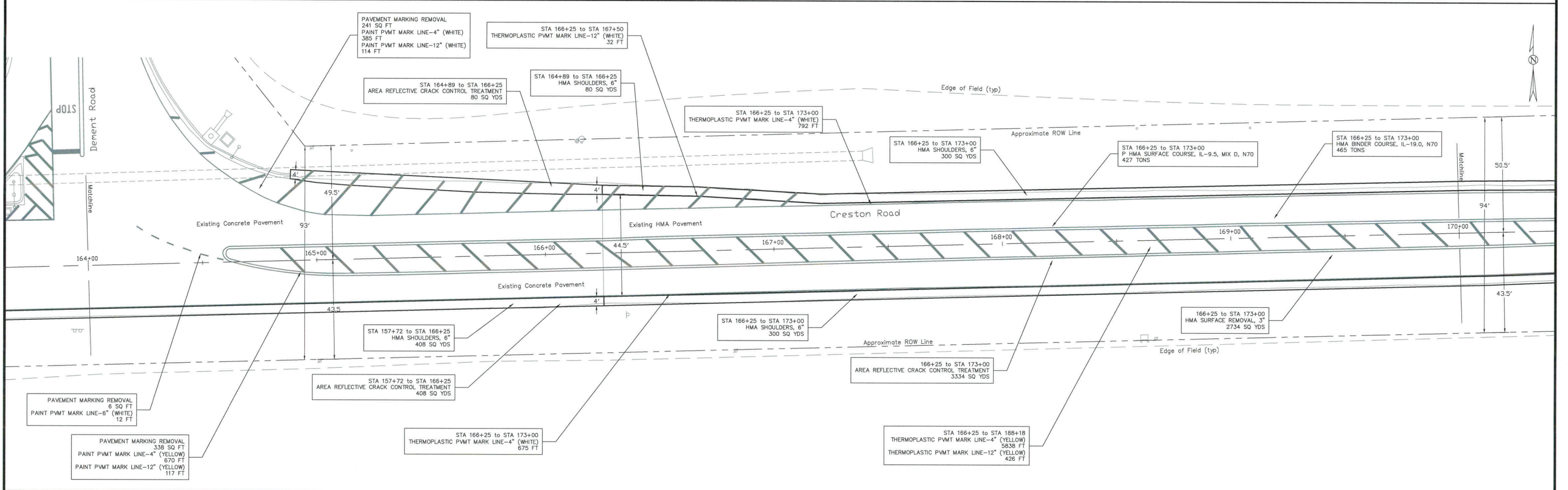
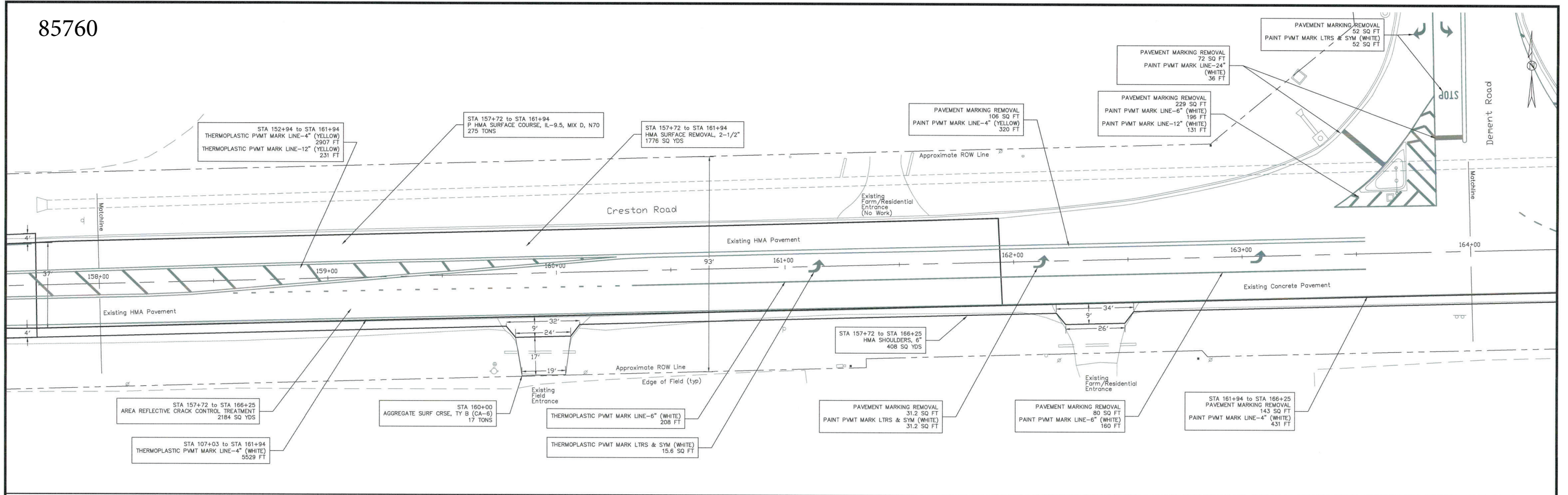
City of Rochelle  
Engineering Department  
1030 S. 7th Street, Rochelle, IL 61068

PROJECT:  
**Caron Road & Creston Road Improvements**  
MFT Section #20-00116-00-RS  
2024

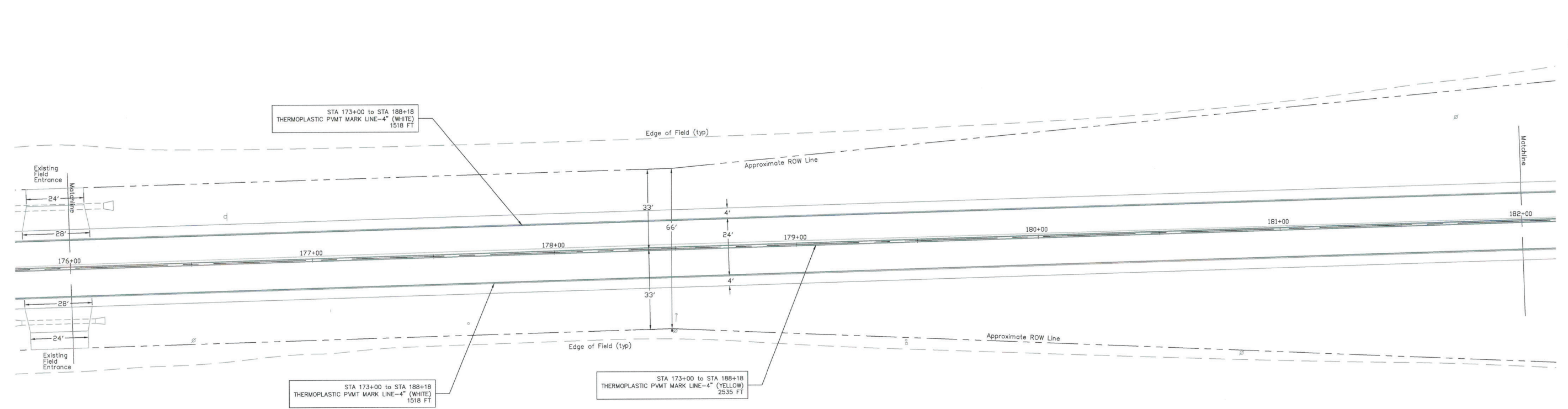
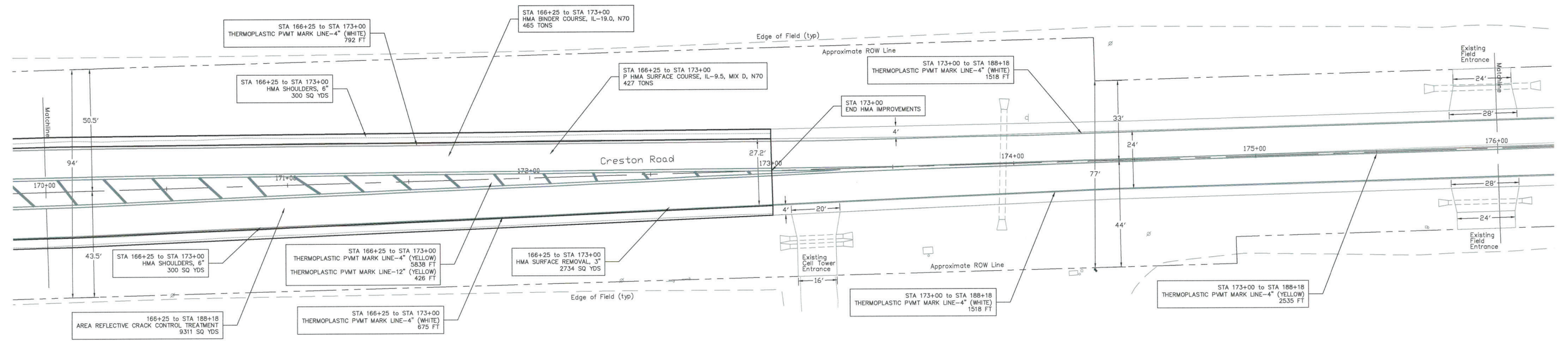
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	Per IDOT Comments	3/19/2024	ST
2	Per IDOT Comments	4/4/2024	ST

DRAWING: **Creston Rd - Sta 146+00 - Sta 158+00**

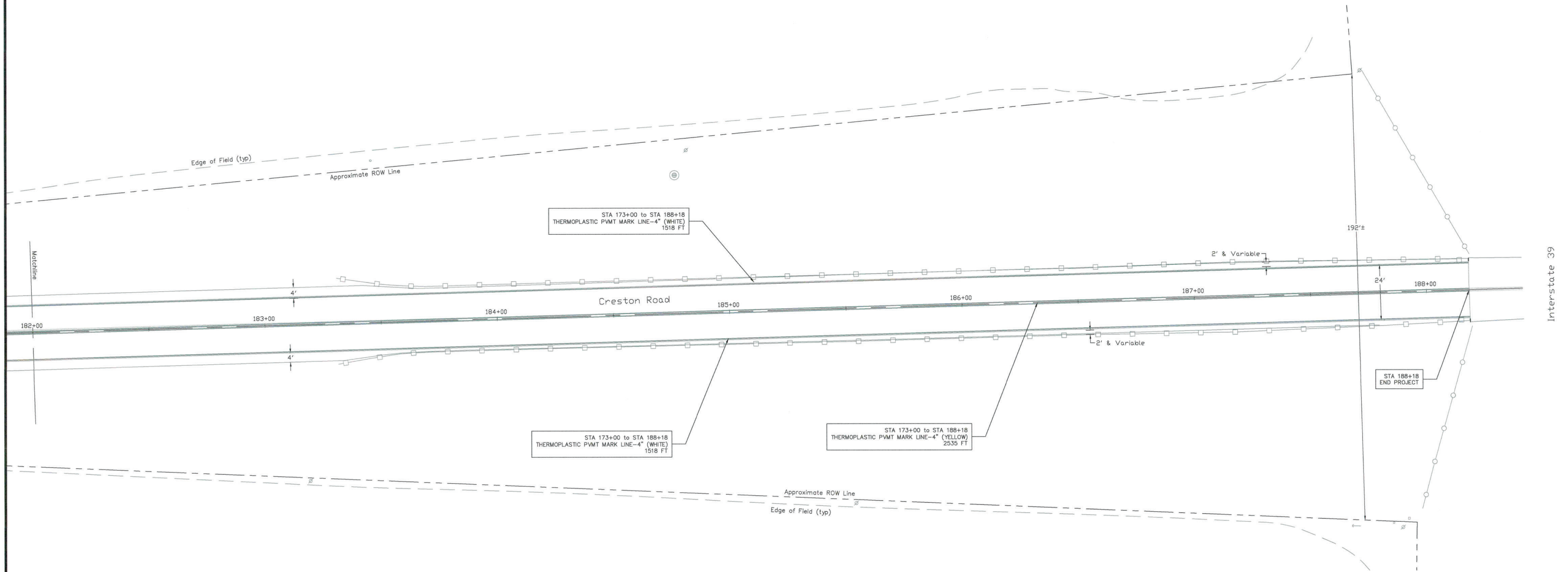
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CHECKED BY: ST	HORZ SCALE: 1" = 20'	
DATE: 12/5/2023	VERT SCALE: NA	



REVISIONS			
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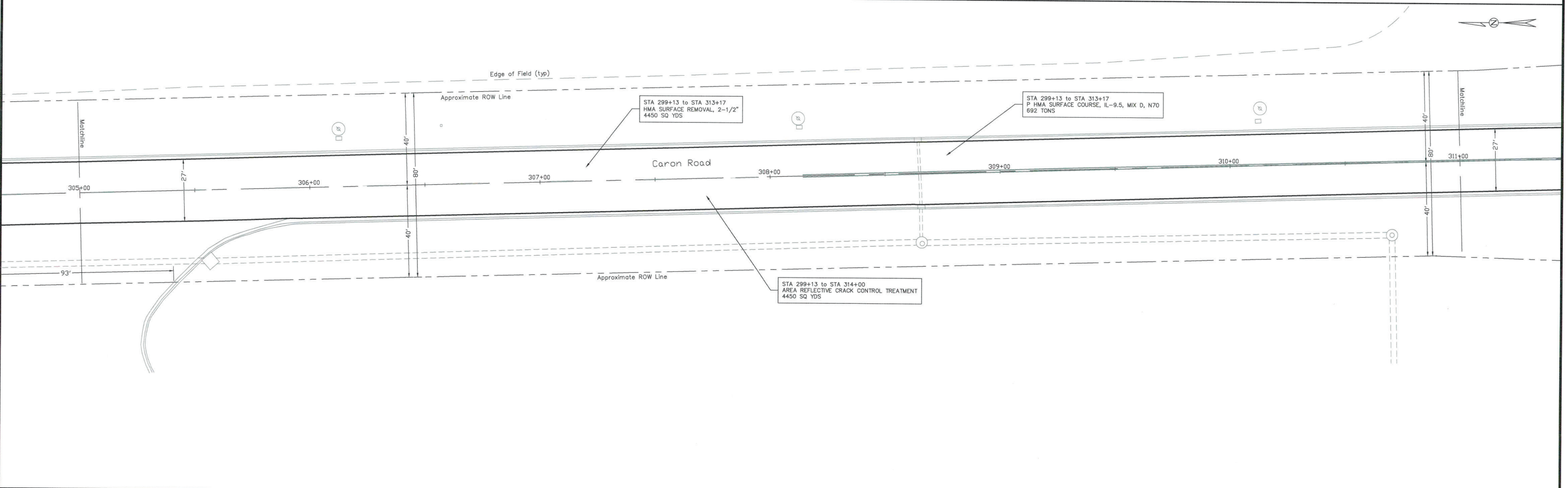
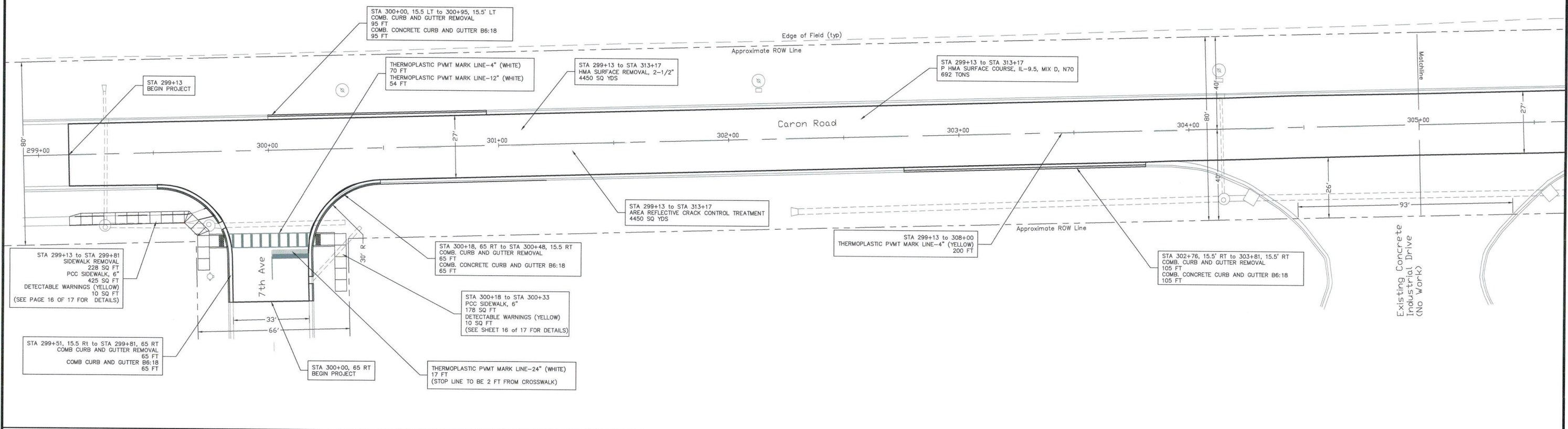
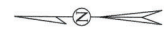


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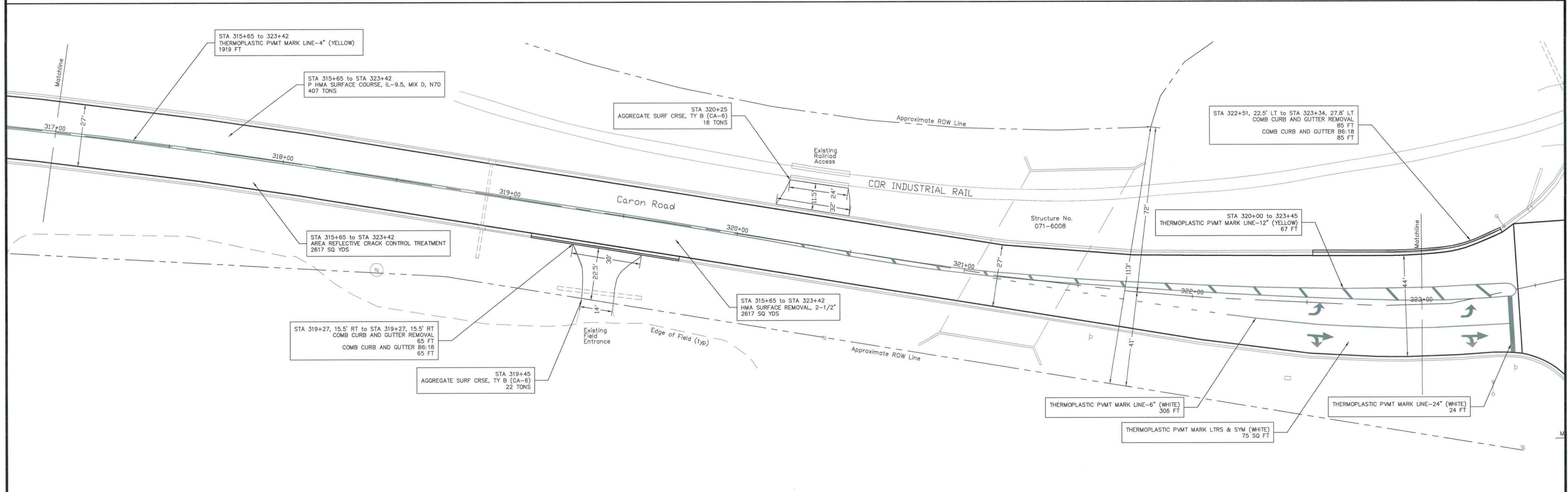
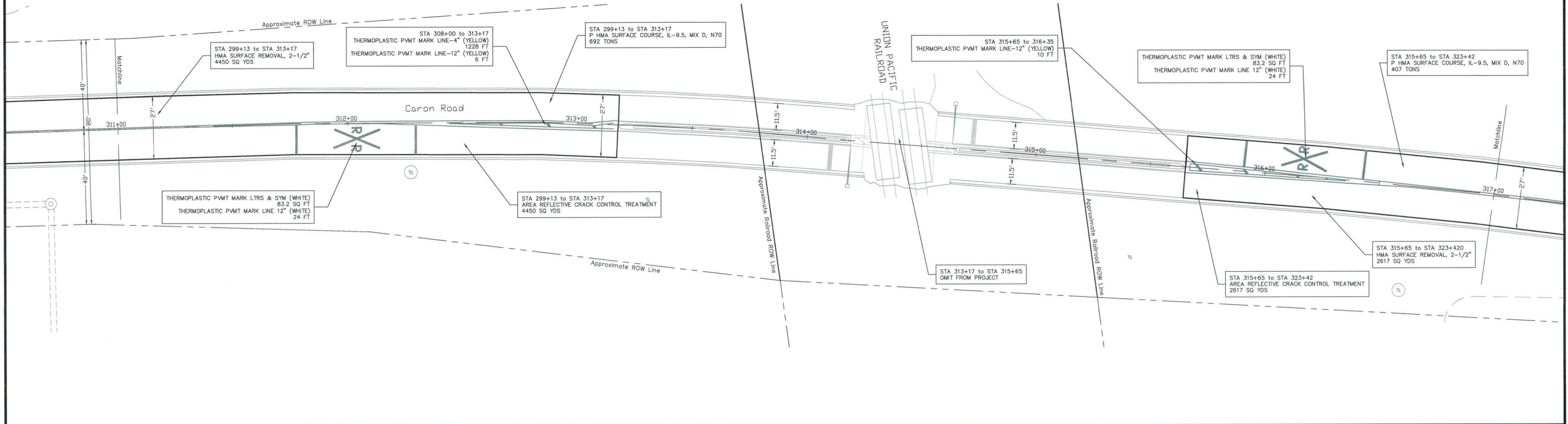


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	Per IDOT Comments	3/19/2024	ST

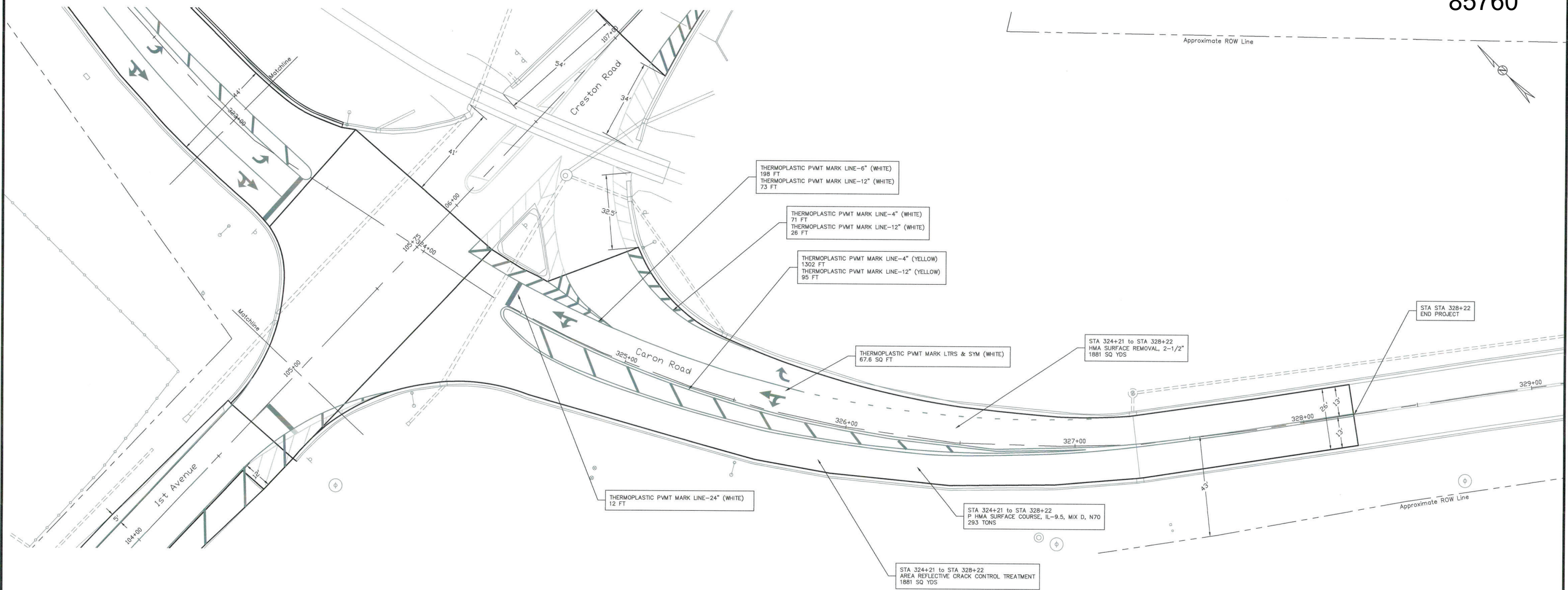
DRAWING:	
<b>Creston Rd - Sta 182+00 - Sta 188+18</b>	
DRAWN BY: CW	SCALE
CHECKED BY: ST	HORZ SCALE: 1" = 20'
DATE: 12/5/2023	VERT SCALE: NA



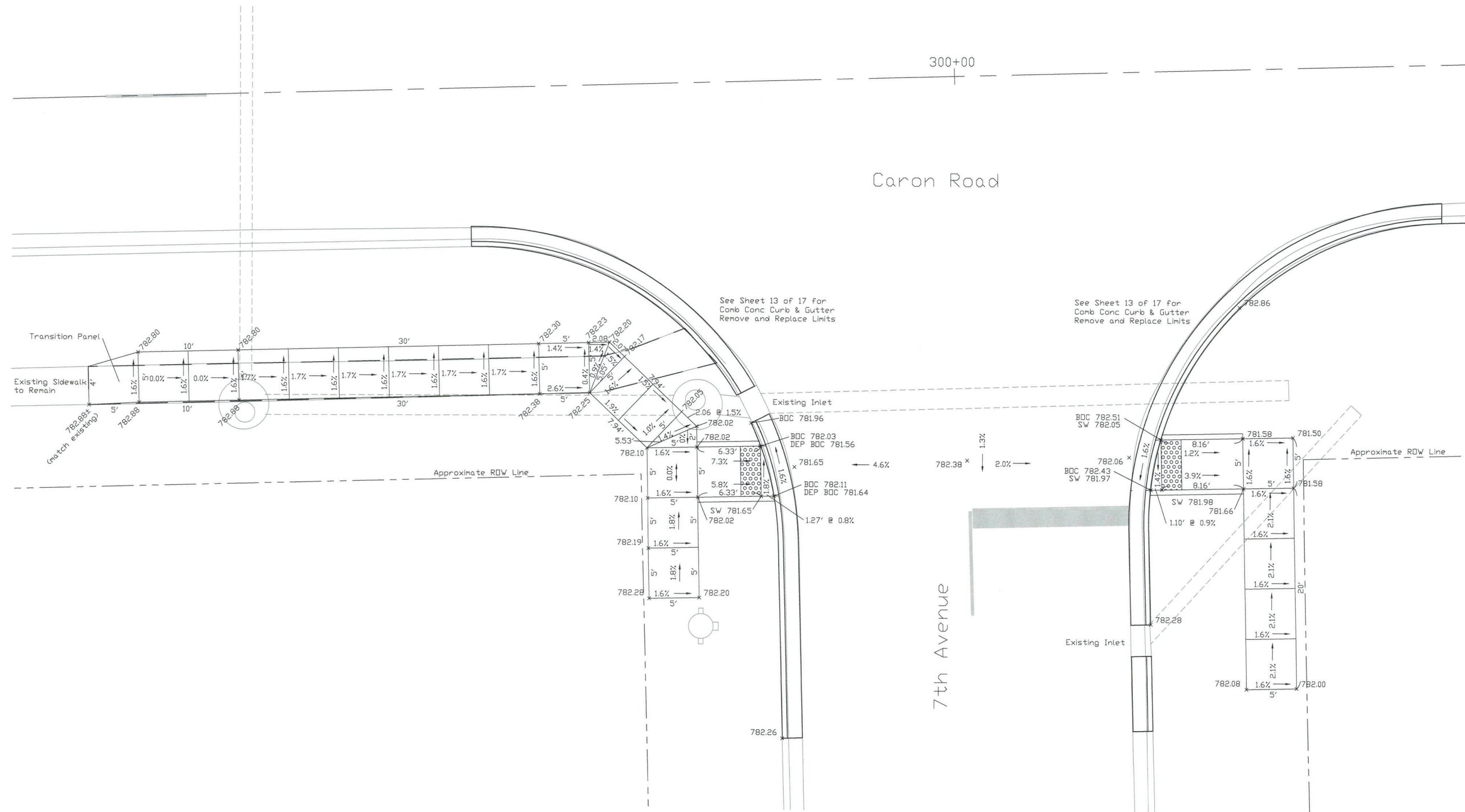
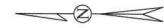
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	Per IDOT Comments	3/19/2024	ST
2	Per IDOT Comments	4/4/2024	ST



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	Per IDOT Comments	3/19/2024	ST
2	Per IDOT Comments	4/4/2024	ST



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	Per IDOT Comments	3/19/2024	ST
2	Per IDOT Comments	4/4/2024	ST



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	Per IDOT Comments	2/7/2024	ST
2	Per IDOT Comments	3/19/2024	ST

DRAWING:		SCALE HORZ SCALE: 1" = 5' VERT SCALE: NA
DRAWN BY: CW		
CHECKED BY: ST		
DATE: 12/5/2023		

**Sidewalk Detail**



Notes:

The contractor shall furnish, install, and maintain all temporary traffic control devices as required by the latest editions of the Manual for Uniform Traffic Control Devices (MUTCD), Illinois Supplement to the MUTCD, Illinois Department of Transportation Standard Specifications and Details, Special Provisions, and as directed by the Engineer.

The contractor shall have all temporary traffic control devices installed prior to road closures.

Changeable Message Signs shall be installed 7 calendar days (min) prior to road closures.

Flaggers, signs, and other devices shall be required when construction activities encroach on adjacent Street right-of-way or as directed by the Engineer. See Traffic Control and Protection Special Provisions and applicable standards for further information and requirements.

The Contractor shall make the require notifications as outlined in the Special Provisions for Traffic Control and Protection a minimum of 48 hours prior to closing roadways.

The Contractor shall be responsible for all utility locates that may be required for the installation of any temporary traffic control devices.

All Construction Traffic shall utilize established Truck Routes. No construction traffic shall be routed on residential street.

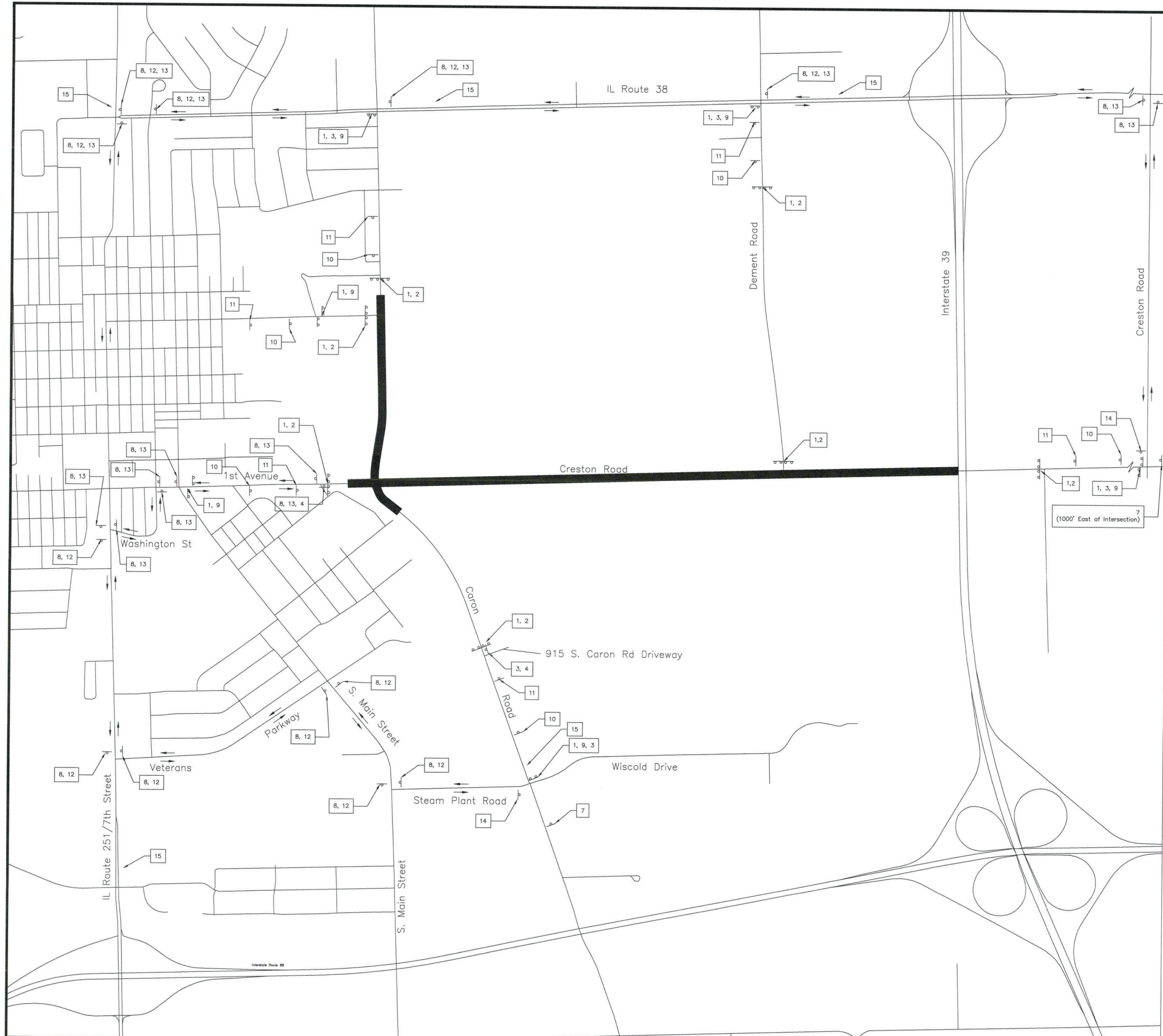
Special attention is called to article 107.09 and 107.14 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition, and Standard 701901 and BLR 21-9. The presence of temporary traffic control shown on this drawing or standards in the project plans or specifications, whether a pay item or not, does not relieve the Contractor of their obligation to provide protection to the public in accordance to Article 107.14 of the Standard Specifications. This article stipulates that the Contractor shall provide to the satisfaction of the Engineer, all protection deemed necessary beyond that shown in the plans or specifications.

The Contractor shall contact the Engineer prior to installation of any temporary traffic control device.

The Contractor shall promptly remove or cover all temporary traffic control devices immediately after Creston Road and/or Caron Road is open to traffic. All temporary traffic control devices shall be removed from the project within 3 calendar days of the completion of the project.

All labor, materials, and equipment required to furnish, install, maintain, and remove temporary traffic control devices to the satisfaction of the Engineer shall be paid for at the contract unit price Lump Sum for TRAFFIC CONTROL AND PROTECTION, SPECIAL.

LEGEND		
No	Description	MUTCD No.
1	Type III Barricades	NA
2	Road Closed	R11-2
3	Detour Arrow	M4-10
4	No Right Turn	R3-1
5	No Left Turn	R3-2
6	Road Construction Ahead	W20-1103
7	Detour Ahead	W20-2
8	Detour w/arrow	M4-9
9	Road Close to Thru Traffic	R11-4
10	Road Closed Ahead	W20-3
11	Road Closed 500 FT	W20-3
12	Caron Rd Plaque	NA
13	Creston Rd Plaque	NA
14	End Detour	M4-8a
15	Message Board	NA
16	Right Arrow	W1-6
17	Left Arrow	W1-6



REV	DESCRIPTION	DATE	APPROVED
1	Per IDOT Comments	3/19/2024	ST
2	Per IDOT Comments	4/4/2024	ST
3	Per IDOT Comments	4/8/2024	ST