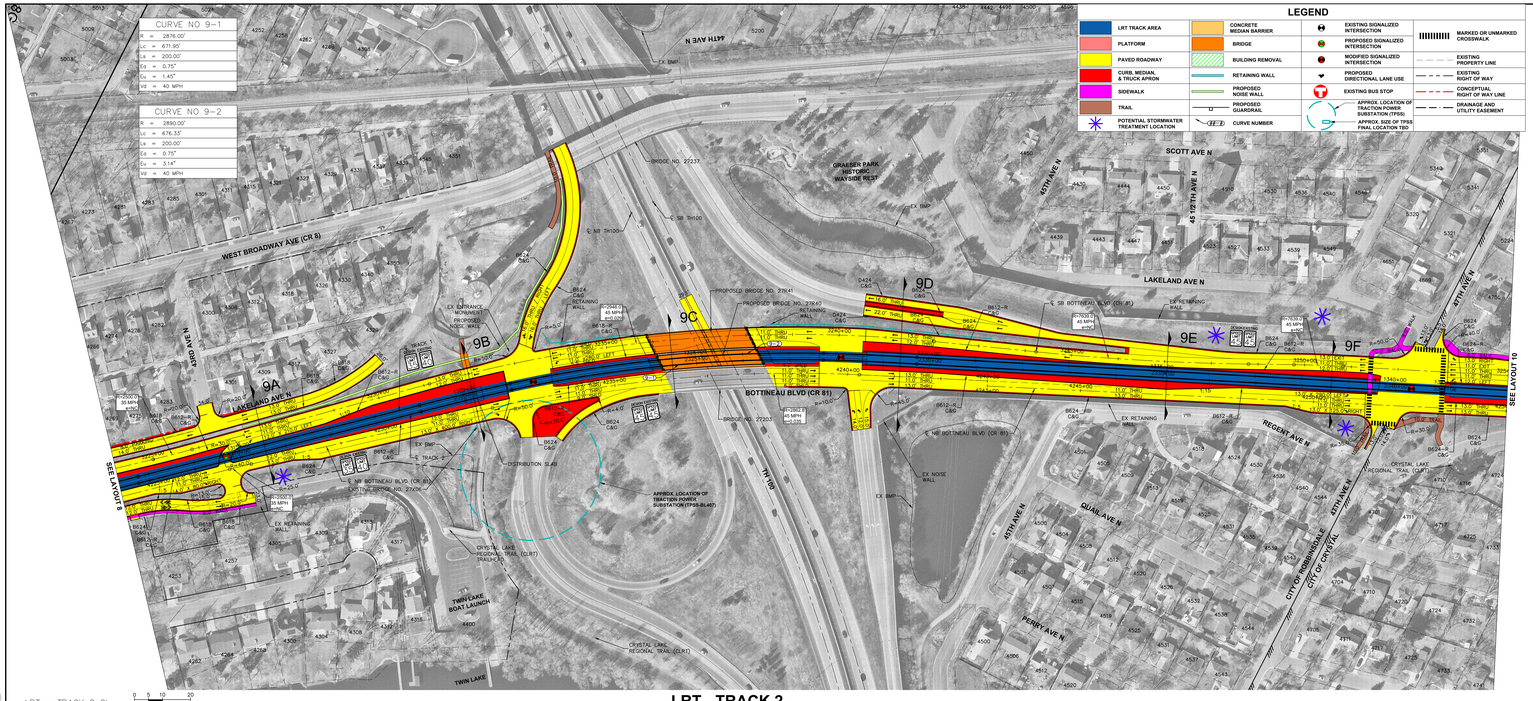
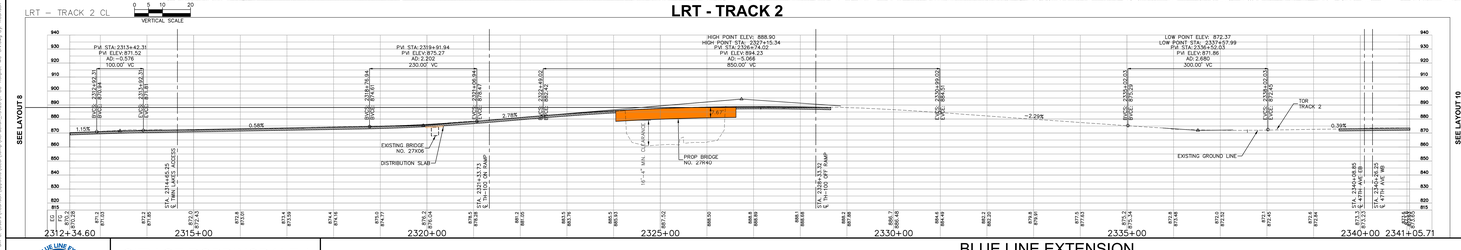


LRT - TRACK 2



LAYOUT HISTORY

DATE	DESCRIPTION
05/PA/2024	FIRST SUBMITTAL – 30% DESIGN LAYOUT/DRAFT MUNICIPAL CONSENT LAYOUT
07/26/2024	SECOND SUBMITTAL – MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT NOTES

1. THIS LAYOUT IS A DRAFT WORK IN PROCESS AND IS SUBJECT TO CHANGE.
2. ALIGNMENT, PROFILE, AND ROADWAY ELEMENTS ARE PROVIDED TO DEFINE ROADWAY CENTERLINE PROFILES ARE PROVIDED TO DEFINE GRADES.
3. ROADWAY CENTERLINE PROFILES ARE PROVIDED TO DEFINE GRADES. PEDESTRIAN AND TRAFFIC WARNINGS ARE SHOWN FOR CLARIFICATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL PAVEMENT MARKINGS.

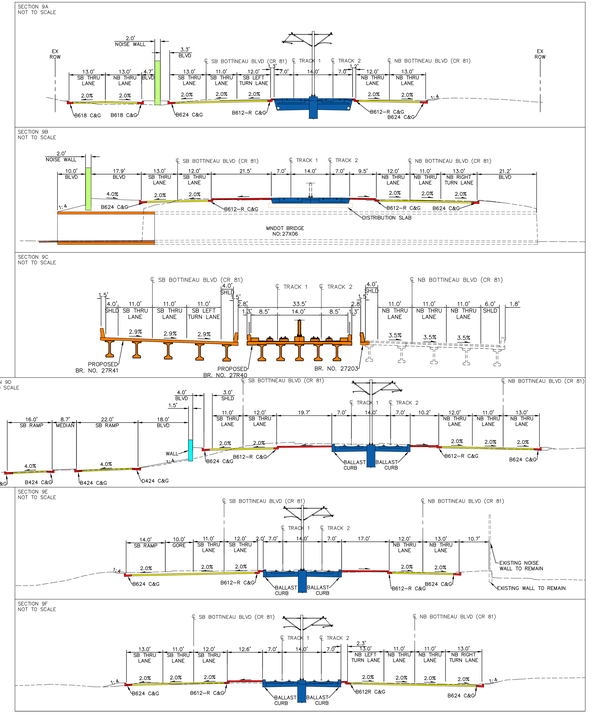
POTENTIAL DESIGN EXCEPTIONS

NONE ANTICIPATED AT THIS TIME.

KEY MAP

IMPORTANT NOTE

MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS TO BE ACCEPTED BY THE MINNEAPOLIS SYSTEM, NOT ATTEMPT.
ALL DESIGN ELEMENTS WERE UPDATED FROM 30% DESIGN LAYOUTS TO REFLECT ITEMS IDENTIFIED FOR INCLUSION IN MUNICIPAL CONSENT APPROVAL.



DRAFT-WORK IN PROCESS

CITY OF ROBBINSDALE / CITY OF CRYSTAL

BLUE LINE EXTENSION
CITY OF ROBBINSDALE / CITY OF CRYSTAL
MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT 9 OF 23

07/26/2024
R00

0 30 60 120
SCALE

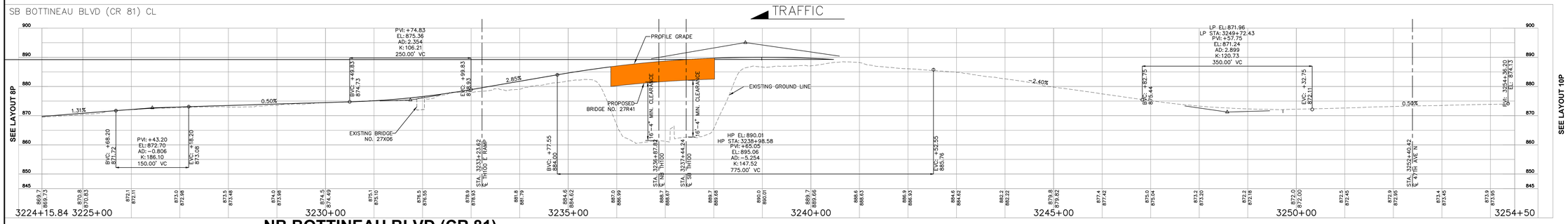
METROPOLITAN COUNCIL

Kimley»Horn
SRF

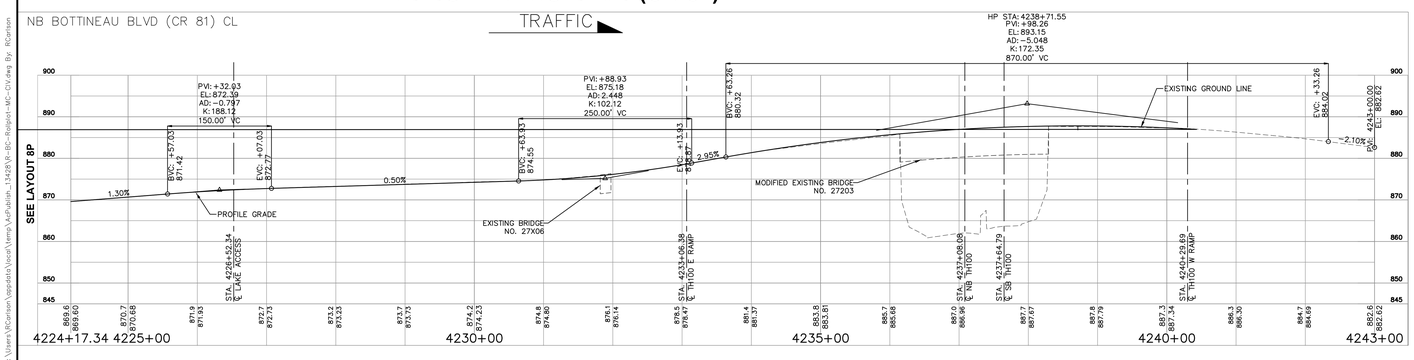
IMPORTANT NOTE

- MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS IN ACCORDANCE WITH MINNESOTA STATUTE SEC. 473.3994.
- THESE LAYOUTS HAVE BEEN UPDATED FROM 30% DESIGN LAYOUTS TO REFLECT ITEMS IDENTIFIED FOR INCLUSION IN MUNICIPAL CONSENT APPROVAL.

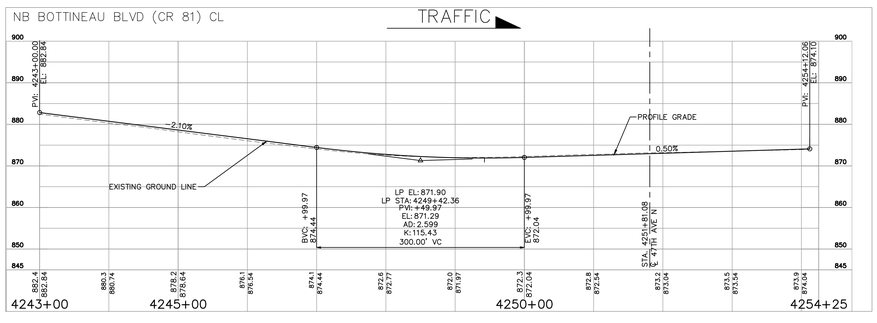
SB BOTTINEAU BLVD (CR 81)



NB BOTTINEAU BLVD (CR 81)



NB BOTTINEAU BLVD (CR 81)



DRAFT-WORK IN PROCESS

METRO BLUE LINE EXTENSION	CITY OF ROBBINSDALE / CITY OF CRYSTAL	BLUE LINE EXTENSION CITY OF ROBBINSDALE / CITY OF CRYSTAL MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS	LAYOUT 9P OF 23	07/26/2024 R00	0 5 10 20 VERTICAL SCALE 0 30 60 120 SCALE

METROPOLITAN COUNCIL · Kimley»Horn · SRF

Jul. 10, 2024 11:42 am C:\Users\RCarlsen\Appdata\Local\Temp\AcPublish_13428\01-BC-Ropiqui-MC-CV.dwg By: RCarlsen

LEGEND

LRT TRACK AREA	CONCRETE MEDIAN BARRIER	EXISTING SIGNALIZED INTERSECTION	MARKED OR UNMARKED CROSSWALK
PLATFORM	BRIDGE	PROPOSED SIGNALIZED INTERSECTION	
PAVED ROADWAY	BUILDING REMOVAL	MODIFIED SIGNALIZED INTERSECTION	EXISTING PROPERTY LINE
CURB, MEDIAN, & TRUCK APRON	RETAINING WALL	PROPOSED DIRECTIONAL LANE USE	EXISTING RIGHT OF WAY
SIDEWALK	PROPOSED NOISE WALL	EXISTING BUS STOP	CONCEPTUAL RIGHT OF WAY LINE
TRAIL	PROPOSED GUARDRAIL	APPROX. LOCATION OF TRACTION POWER SUBSTATION (TPSS)	DRAINAGE AND UTILITY EASEMENT
POTENTIAL STORMWATER TREATMENT LOCATION	CURVE NUMBER	APPROX. SIDE OF TPSS/ FINAL LOCATION TBD	

CURVE NO 10-1	CURVE NO 10-2	CURVE NO 10-3	CURVE NO 10-4	CURVE NO 10-5
R = 4014.00'	R = 8014.00'	R = 9000.00'	R = 4014.00'	R = 18000.00'
Lc = 291.54'	Lc = 190.17'	Lc = 158.72'	Lc = 192.54'	Lc = 187.20'
La = 120.00'	La = 70.00'	La = 30.00'	La = 70.00'	La = 45.00'
Ea = 1.25"	Ea = 0.50"	Ea = 0.00"	Ea = 0.75"	Ea = 0.00"
Cu = 1.73"	Cu = 0.99"	Cu = 0.14"	Cu = 1.25"	Cu = 0.67"
Vd = 55 MPH	Vd = 55 MPH	Vd = 55 MPH	Vd = 45 MPH	Vd = 55 MPH

CURVE NO 10-6	CURVE NO 10-7	CURVE NO 10-8	CURVE NO 10-9	CURVE NO 10-10
R = 4000.00'	R = 8000.00'	R = 9014.00'	R = 4000.00'	R = 18014.00'
Lc = 290.10'	Lc = 189.71'	Lc = 156.06'	Lc = 149.25'	Lc = 187.38'
La = 120.00'	La = 70.00'	La = 30.00'	La = 70.00'	La = 45.00'
Ea = 1.25"	Ea = 0.50"	Ea = 0.00"	Ea = 0.75"	Ea = 0.00"
Ev = 1.74"	Cu = 1.00"	Ev = 0.11"	Cu = 1.25"	Ev = 0.66"
Vd = 55 MPH	Vd = 55 MPH	Vd = 55 MPH	Vd = 45 MPH	Vd = 55 MPH

LAYOUT HISTORY

DATE	DESCRIPTION
05/14/2024	FIRST SUBMITTAL – 30% DESIGN LAYOUT/DRAFT MUNICIPAL CONSENT LAYOUT
07/26/2024	SECOND SUBMITTAL – MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT NOTES

1. TRACK LAYOUT IS A CONCEPTUAL REPRESENTATION OF CHORD.
2. ALL PROPOSED ROADWAY AND BRIDGE WIDTHS ARE MEASURED FROM BACK OF 18" CHAIN CURB TO HIGHWAY 100 IN 4th CHOW ROUTE, 5 CHOW MOVING ROUTE, AND 6 CHOW ROUTE.
3. ROADWAY SUPERCHOW PROFILES ARE PROVIDED ON SEPARATE SHEET.
4. PEDESTRIAN AND BICYCLE FACILITIES ARE SHOWN FOR CONCEPTUAL PURPOSES ONLY PEDESTRIAN AND TRAFFIC WARNING ARE SHOWN FOR CLARIFICATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL PAVEMENT MARKING.

POTENTIAL DESIGN EXCEPTIONS

NONE ANTICIPATED AT THIS TIME.

KEY MAP

IMPORTANT NOTE

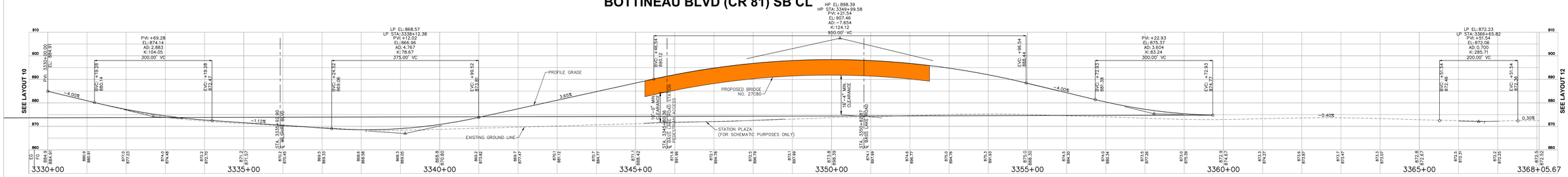
– MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS ARE SUBMITTED WITH AN ANNEXATION STATUS OF RELATIVE TO CRYSTAL.
– THESE PLANS HAVE BEEN UPDATED FROM 30% DESIGN LAYOUTS TO REFLECT ITEMS IDENTIFIED FOR INCLUSION IN MUNICIPAL CONSENT APPROVAL.

W BROADWAY AVE (CSAH 8)
LAKELAND AVE N
LAKELAND AVE N
LAKELAND AVE N
BOTTINEAU BLVD (CR 81)
NB BOTTINEAU BLVD (CR 81)
LRT TRACK 1
LRT TRACK 2
EXISTING BMP
APPROX TPSS AREA SEE 408
KILLMER ELECTRIC CO.
INTERIORS INC
CRYSTAL CHRISTIAN CHURCH
CRYSTAL LAKES REGIONAL TRAIL
CRYSTAL LAKES REGIONAL TRAIL
CRYSTAL LAKES REGIONAL TRAIL

BOTTINEAU BLVD (CR 81) SB CL / 1" = 60H:10V

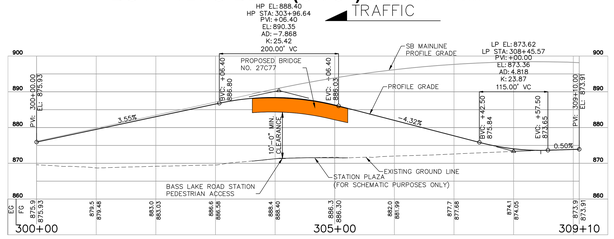
TRAFFIC

BOTTINEAU BLVD (CR 81) SB CL



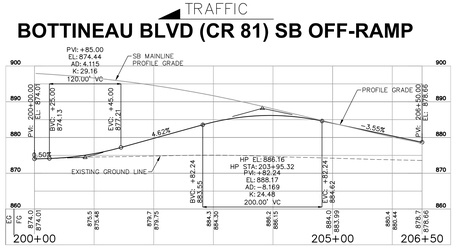
BOTTINEAU BLVD (CR 81) SB ON-RAMP

TRAFFIC



BOTTINEAU BLVD (CR 81) SB OFF-RAMP

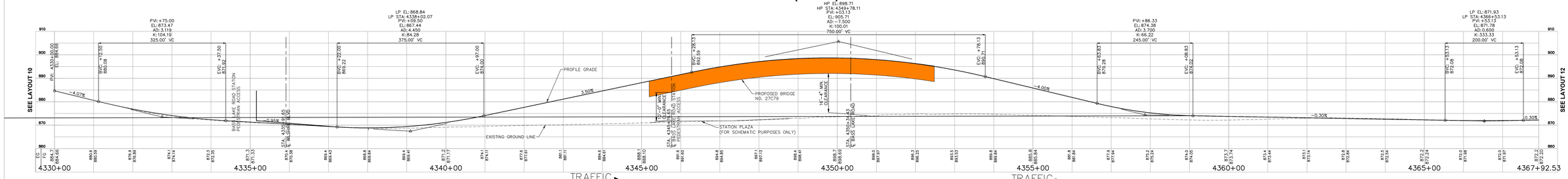
TRAFFIC



BOTTINEAU BLVD (CR 81) NB CL / 1" = 60H:10V

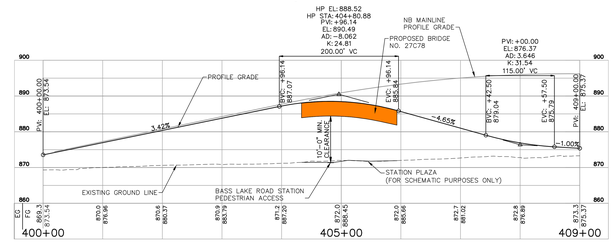
TRAFFIC

BOTTINEAU BLVD (CR 81) NB CL



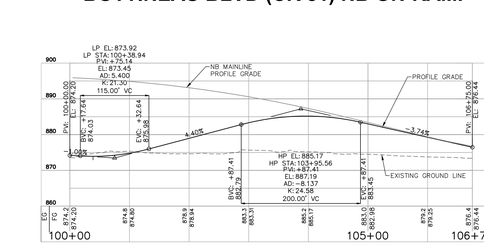
BOTTINEAU BLVD (CR 81) NB OFF-RAMP

TRAFFIC



BOTTINEAU BLVD (CR 81) NB ON-RAMP

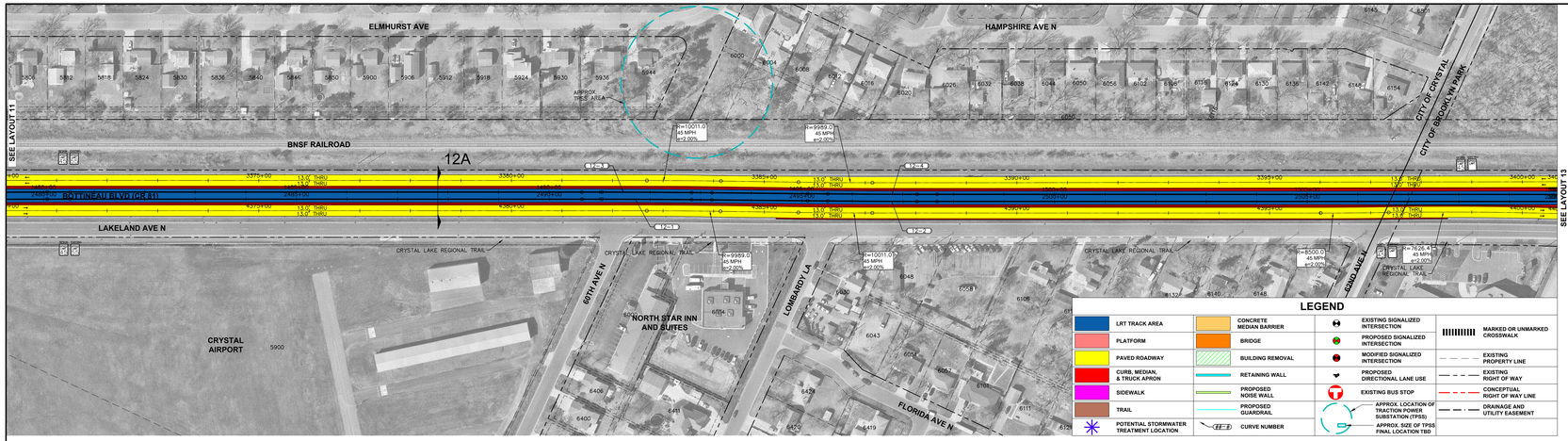
TRAFFIC



IMPORTANT NOTE

- MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS IN ACCORDANCE WITH MINNESOTA STATUTE SEC. 473.3994.
- THESE LAYOUTS HAVE BEEN UPDATED FROM 30% DESIGN LAYOUTS TO REFLECT ITEMS IDENTIFIED FOR INCLUSION IN MUNICIPAL CONSENT APPROVAL.

DRAFT-WORK IN PROCESS



CURVE NO 12-1	
R	= 22000.00'
Lc	= 177.11'
Ls	= 40.00'
Eo	= 0.00"
Eu	= 0.54"
Vd	= 55 MPH

CURVE NO 12-2	
R	= 22014.00'
Lc	= 176.31'
Ls	= 40.00'
Eo	= 0.00"
Eu	= 0.54"
Vd	= 55 MPH

CURVE NO 12-3	
R	= 22014.00'
Lc	= 177.24'
Ls	= 40.00'
Eo	= 0.00"
Eu	= 0.54"
Vd	= 55 MPH

CURVE NO 12-4	
R	= 22000.00'
Lc	= 176.18'
Ls	= 40.00'
Eo	= 0.00"
Eu	= 0.54"
Vd	= 55 MPH

IMPORTANT NOTE

- MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS IN ACCORDANCE WITH MINNESOTA STATUTE 473.3994.
- THESE LAYOUTS HAVE BEEN UPDATED FROM 30% DESIGN LAYOUTS TO REFLECT ITEMS IDENTIFIED FOR INCLUSION IN MUNICIPAL CONSENT APPROVAL.

LAYOUT HISTORY

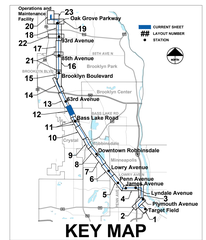
DATE	DESCRIPTION
02/14/2024	FIRST SUBMITTAL – 30% DESIGN LAYOUT/DRAFT MUNICIPAL CONSENT LAYOUT
07/26/2024	SECOND SUBMITTAL – MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT NOTES

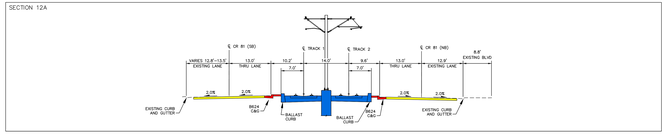
- THIS LAYOUT IS A DRAFT WORK IN PROCESS AND IS SUBJECT TO CHANGE.
- ALL DIMENSIONS ARE TO THE CENTERLINE OF TRACK UNLESS OTHERWISE NOTED.
- OR BI FROM LOMBY TO HIGHWAY 100 IS AN 2SOM ROUTE, A HOUSE MOVING ROUTE, AND SUPERLOAD CORRIDOR.
- TRACK AND PLATFORM PROFILES ARE PROVIDED ON SEPARATE SHEET.
- TRACK OPERATING SPEED IS 45MPH OR LESS THROUGH INTERSECTIONS.
- PEDESTRIAN AND TRAFFIC MARKINGS ARE SHOWN FOR CLARIFICATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL PAVEMENT MARKINGS.

POTENTIAL DESIGN EXCEPTIONS

NONE ANTICIPATED AT THIS TIME.



KEY MAP

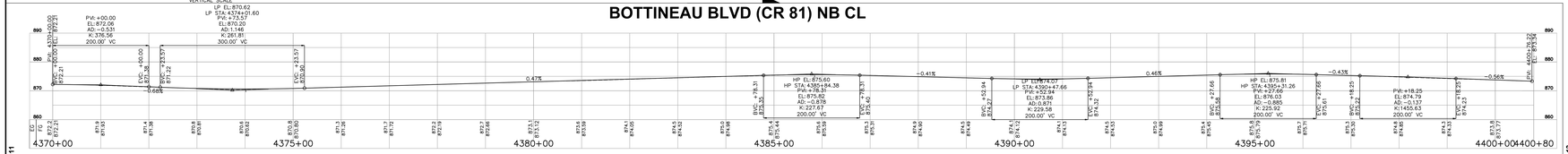


BOTTINEAU BLVD (CR 81) NB CL

VERTICAL SCALE 0 5 10 20

TRAFFIC

BOTTINEAU BLVD (CR 81) NB CL

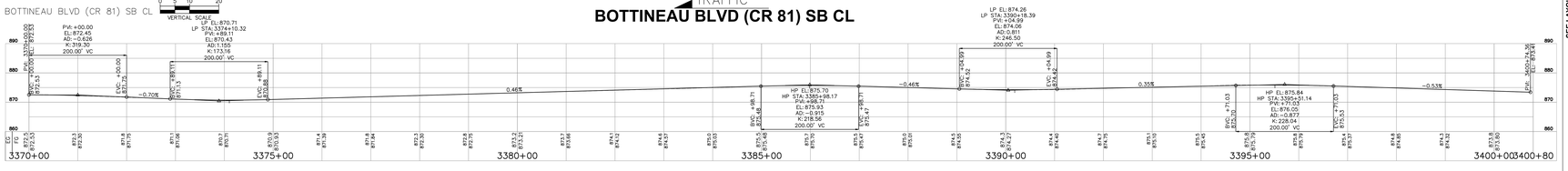


BOTTINEAU BLVD (CR 81) SB CL

VERTICAL SCALE 0 5 10 20

TRAFFIC

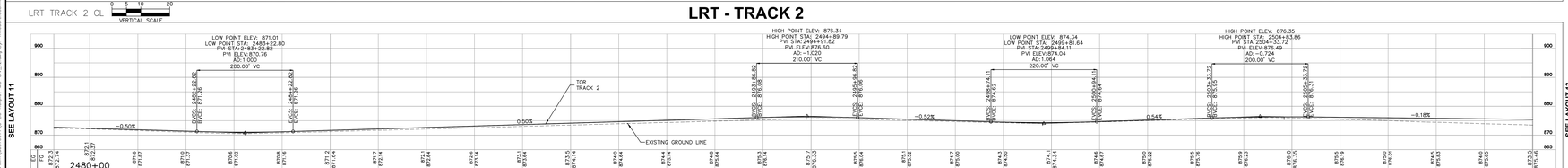
BOTTINEAU BLVD (CR 81) SB CL



LRT TRACK 2 CL

VERTICAL SCALE 0 5 10 20

LRT - TRACK 2



SEE LAYOUT 11

SEE LAYOUT 13

DRAFT-WORK IN PROCESS

CITY OF CRYSTAL/CITY OF BROOKLYN PARK

BLUE LINE EXTENSION

CITY OF CRYSTAL/CITY OF BROOKLYN PARK

MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT 12 OF 23

07/26/2024

R00

VERTICAL SCALE 0 5 10 20

SCALE 0 30 60 120

METROPOLITAN COUNCIL

Kimley»Horn

Jul. 17, 2024 - 09:39 am - C:\Users\kyle.hutchinson\Documents\ACCDocs\Kimley-Horn\Blue Line Extension\Project Files\Municipal Consent\Layouts\Layout 12.dwg By: Theodore Gutchow