

STATE OF ILLINOIS



ILLINOIS COMMERCE COMMISSION TRANSPORTATION DIVISION / RAIL SAFETY SECTION

Michael E. Stead

Rail Safety Program Administrator

(Filed in E-Docket and e-mailed to Judge Kirkland-Montaque and as attached)

August 22, 2008

Latrice Kirkland-Montaque
Administrative Law Judge
Review and Examination
Illinois Commerce Commission
160 N. LaSalle Street
Chicago, IL

RE: T08-0006

Dear Judge Kirkland-Montaque:

The attached Agreed/Proposed Order is respectfully submitted for your approval and submittal to the Commission for the September 10, 2008 bench session. The proposed Order was prepared by Staff in coordination with the parties.

Also, while preparing the Agreed Order the project schedule was slightly modified, and Staff requested the parties provide a detailed construction cost estimate so that it could be made part of the record. To this end, the following are included with this filing:

1. Updated Exhibit C from the County's Petition providing an updated Project Schedule.
2. Construction Cost Estimate

If you have any questions, or require additional information, please contact me at (217) 557-1285 or mstead@icc.illinois.gov, or Brian Vercruysse, Railroad Safety Specialist, at (630) 424-8750 or bvercruy@icc.illinois.gov.

Very truly yours,

A handwritten signature in black ink, appearing to read "Michael E. Stead".

Michael E. Stead
Rail Safety Program Administrator

Certificate of Service

I, Brian Vercruysse, Senior Rail Safety Specialist for the Illinois Commerce Commission, hereby certify that the AGREED ORDER for T08-0006 was docketed on e-Docket and e-mailed to the parties listed below.

RAIL SAFETY SECTION STAFF
ILLINOIS COMMERCE COMMISSION

By: 
Brian Vercruysse, P.E.
Senior Rail Safety Specialist

<p>Robert E. Douglas Assistant State's Attorney DuPage County State's Attorney Office 503 North County Farm Road Wheaton, IL 60187 robert.douglas@dupageco.org</p> <p>Lawrence Parrish Special Assistant Chief Counsel Illinois Department of Transportation 300 W. Adams - 2nd floor Chicago, Illinois 60606 (312) 793-2255 Lawrence.Parrish@illinois.gov</p> <p>Michael J. Dow Lisle Township Road District 4719 Indiana Ave. Lisle, IL 60532 highway@lisletownship.com</p>	<p>Robert J. Prendergast Daley Mohan Groble, P.C. 55 West Monroe Street, Suite 1600 Chicago, IL 60603 rprendergast@daleymohan.com</p> <p>Enza I. Petrarca Staff Attorney Village of Downers Grove Civic Center 801 Burlington Avenue Downers Grove, IL 60515-4776 epetrarca@downers.us</p> <p>Sally W. Mimms Attorney Locke Lord Bissell & Liddell LLP 111 South Wacker Drive Chicago, IL 60606 smimms@lockelord.com</p>
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**STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION**

County of DuPage,
Petitioner,

Vs.

BNSF Railway Company, Illinois Department of Transportation,
Village of Downers Grove, Township of Lisle, and the
Commuter Rail Division of the Regional Transportation
Authority,
Respondents.

T08-0006

Petition for the construction of new highway-rail and pedestrian-rail grade separation structures to replace the existing Belmont Road (DuPage County Highway 2) highway-rail grade crossing of the BNSF Railway Company's tracks, located in Downers Grove, DuPage County, designated as AAR/DOT #079 537J, railroad milepost 22.61 and the existing pedestrian-rail grade crossing designated as AAR/DOT #078 996B, railroad milepost 22.70.

AGREED PROPOSED ORDER

By the Commission:

On January 4, 2008, the County of DuPage ("County" or "Petitioner") filed the above-captioned verified Petition with the Illinois Commerce Commission ("Commission") naming as Respondents the BNSF Railway Company ("Company" or "BNSF"), the Illinois Department of Transportation ("Department"), the Village of Downers Grove ("Village"), the Township of Lisle ("Township"), and the Commuter Rail Division of the Regional Transportation Authority ("Metra"), seeking authority for the construction of new highway-rail and pedestrian-rail grade separation structures to replace the existing Belmont Road (DuPage County Highway 2) highway-rail grade crossing of the BNSF Railway Company's tracks, located in Downers Grove, DuPage County, designated as AAR/DOT #079 537J, railroad milepost 22.61 and the existing pedestrian-rail grade crossing designated as AAR/DOT #078 996B, railroad milepost 22.70. No party contested the requests of the Petition.

Pursuant to notice, the matter came on for hearing before a duly authorized Administrative Law Judge ("ALJ") of the Commission at the Commission's Chicago office on June 12, 2008. Petitioner was represented by counsel. Respondents, Company, Department, and Village were represented by counsel. An appearance was also entered by Brian Vercruysse, Senior Railroad Safety Specialist, representing the Commission's Transportation Bureau, Railroad Section ("Staff"). At the conclusion of the June 12, 2008, hearing, the record was marked "Heard and Taken."

PROCEDURAL HISTORY

Subsequent to the June 12, 2008 Hearing, on August 22, 2008, Staff filed an Agreed/Proposed Order, the terms of which have been agreed to by all the parties. Also included with this filing was the detailed cost estimate and updated project schedule for the various project components.

PETITIONER AND RESPONDENTS DEPARTMENT, VILLAGE & METRA POSITION

With its Petition, the County is seeking authority for the construction of new highway-rail and pedestrian-rail grade separation structures to replace the existing Belmont Road highway-rail grade crossing of the BNSF Railway Company's tracks (collectively referred to hereinafter as "the Project"). Metra has agreed to perform the design, permitting, land acquisition, and construction of the Project, which will be constructed in accordance with the plans and specifications (identified as Section Number 99-00173-03-GS) incorporated into the County's Petition. Also included with the petition, and entered into evidence were Exhibits A to E, that provided geometric data for the Belmont Road and pedestrian crossings, a summary of project costs, an "Allocation of Project Costs" table, as well as various agreements entered into by the Parties for funding, construction, maintenance and other obligations. As indicated in the Petition's Allocation of Project Costs table, the County is also requesting that the Commission authorize the use of the Grade Crossing Protection Fund ("GCPF") toward the Project in an amount of \$12,000,000.

The County provided the testimony of Mr. Chuck Tokarski, County Engineer; Mr. Donald Yetter of URS Corporation, design consultant and manager for the Project; and Ms. Christine Reed, Director of Highways for the Department.

Mr. Tokarski testified that in 1998 a study was completed that highlighted the need for the Project, as Belmont Road carries approximately 23,000 vehicles per day and the BNSF operates approximately 160 trains per day (80 commuter/80 freight). Also, with the presence of the Belmont commuter station adjacent to the crossing there is a need to improve pedestrian access.

Mr. Yetter testified that Belmont Road will be lowered under the three (3) mainline tracks of the Company, as will the existing pedestrian crossing which is located approximately 500 feet west of the roadway crossing. To maintain east-west access parallel to and north of the tracks, a third bridge will be constructed carrying Warren Avenue/Burlington Avenue over Belmont Road. During construction, to allow for pedestrian and vehicle access, a temporary two (2) lane runaround will be constructed east of the existing crossing.

Mr. Yetter further testified that the Project will take approximately three (3) years to complete, and that various utility companies are currently relocating their facilities

prior to the Project, which will consist of an Advance Contract and a Main Contract. The Advance Contract is ready to advertise, and the work which will take approximately one (1) year to complete will consist of site preparation, relocation of public utilities, parking lot construction, and drainage improvements. It is anticipated that the letting for the Advance Contract will take place late in 2008, with work beginning at the start of the 2009 construction season. Upon completion of the Advance Contract, the Main Contract should begin in the fourth quarter of 2009 with expected completion at the end of 2012. The work associated with the Main Contract will include the construction of the BNSF bridges over Belmont Road and the pedestrian crossing to the east, construction of the Warren Avenue/Burlington Bridge over Belmont Road, a pump station to allow for drainage of the new underpass, and BNSF track and signal modifications (force account work) to allow for the Project. In addition to the force account work, to help facilitate the Project the BNSF will limit their operations from three (3) tracks to two (2) for a three month period from the beginning of April to the end of June, 2011.

Ms. Christine Reed testified that the Department had initially executed a 2002 agreement with the County, Metra, BNSF, and Village committing approximately \$8,700,000 toward the Project. With estimated costs for the Project now at \$52,700,000, the Department will provide up to an additional \$8,300,000 to help cover the funding shortfall from the original estimate of \$36,200,000.

RESPONDENT TOWNSHIP POSITION

Subsequent to the June 12, 2008 Hearing, the Township filed a letter of support for the Project on June 13, 2008.

COMMISSION STAFF ANALYSIS AND CONCLUSION

Commission Staff is of the opinion that the Project is beneficial and in the public interest. Staff supports the County's Petition, and recommends that the Grade Crossing Protection Fund be utilized to help pay for eligible work items that are a part of the Main Contract for the Project in an amount not to exceed \$12,000,000.

COMMISSION FINDINGS AND CONCLUSIONS

The Commission, having reviewed the entire record, finds that:

- (1) The Commission has jurisdiction over the parties and the subject matter of this proceeding;
- (2) The Petitioner, County of DuPage, is a political subdivision of the State of Illinois;
- (3) Respondent, Illinois Department of Transportation is a Department of the State of Illinois which exists by virtue of the laws of the State of Illinois;
- (4) Respondent, BNSF Railway Company is a rail carrier engaged in the

transportation of either or both property and passengers for hire in the State of Illinois, as defined by the ICTL, 625 ILCS 5/18/c-1104(30);

- (5) Respondents, Village of Downers Grove and the Township of Lisle, are political subdivisions of the State of Illinois;
- (6) the recitals of fact and conclusions of law contained in the prefatory portion of this order are supported by the record and are hereby adopted as findings of fact and conclusions of law;
- (7) it is in the interest of public safety and convenience that the County of DuPage construct new highway-rail and pedestrian-rail grade separation structures to replace the existing Belmont Road (DuPage County Highway 2) highway-rail grade crossing of the BNSF Railway Company's tracks, located in Downers Grove, DuPage County, designated as AAR/DOT #079 537J, railroad milepost 22.61 and the existing pedestrian-rail grade crossing designated as AAR/DOT #078 996B, railroad milepost 22.70.
- (8) The total estimated cost for the Project is \$52,700,069. The parties agree to the project costs, cost division, and future maintenance costs as provided in the "Project Funding, Cost Division & Maintenance Responsibilities" Tables included below. The total amount of GCPF assistance is not to exceed \$12,000,000, which will be utilized for eligible work items included within the Main Contract of the Project slated for the fourth quarter of 2009 (Fiscal Year 2010).

- PROJECT COSTS TABLE -

PROJECT PHASE	COST
Environmental Assessment & Preliminary Design	\$1,500,000
Final Design	\$650,000
Property Acquisition & Relocation	\$12,297,649
Construction	
<i>Advance Contract</i>	\$6,687,847
Site preparation, relocation of public utilities, parking lot construction, and drainage improvements	
<i>Main Contract</i>	\$31,564,573
Belmont Road Bridge	
Pedestrian Bridge	
Warren/Burlington Bridge	
Pump Station	
BNSF track and signal modifications (force account	
	\$38,252,420

work)	
	TOTAL <u>\$52,700,069</u>
LESS Metra, Congestion, Mitigation & Air Quality Grant (Towards Property Acquisition & Relocation)	-\$5,250,000
REMAINING COSTS	\$47,450,069

- OVERALL COST DIVISION TABLE -

ESTIMATED COSTS	GCPF	METRA	IDOT	BNSF
	(~ 25%)	(~ 35%)	(~35%)	(5%)
\$47,450,069	\$12,000,000 ¹	\$16,538,783	\$16,538,783	\$2,372,503

Notes:

¹ Total Grade Crossing Protection Fund (GCPF) assistance not to exceed \$12,000,000. GCPF assistance shall be utilized for reimbursement of eligible MAIN CONTRACT construction costs identified above.

- MAINTENANCE RESPONSIBILITIES -

County	<p>Belmont Road Pavement</p> <p>All components of the bridge that carries Warren Avenue/Burlington Avenue over Belmont Road below the bridge deck.</p> <p>All components of the structure that carries the BNSF over Belmont Road, except the track structure that includes the ballast and all items above the ballast as well as boarding platforms and associated appurtenances</p>
Village	<p>The Warren Avenue/Burlington Avenue bridge deck and all components above the bridge deck, approach pavement and any access roads constructed as part of the Project.</p> <p>All components of the structure that carries the BNSF over the pedestrian underpass, including without limitation, all approach sidewalks, railings and ramps, except the track structure that includes the ballast and all items above the ballast.</p> <p>Boarding platforms, railings and walking surfaces on the structure that carries the BNSF over Belmont Road, including without limitation, all approach sidewalks, railings, stairs and ramps.</p>
BNSF	<p>All track structure including the ballast and items above the ballast at the new Belmont Road and pedestrian bridges.</p>

- (9) the County of DuPage and the BNSF Railway shall provide for Staff review and approval, the detailed roadway and warning device plans for the proposed temporary runaround to be located east of the existing Belmont Road crossing during construction.
- (10) all work herein should be completed by December 31, 2012;
- (11) Chapter 625 ILCS 5/18c-1701 and 5/18c-1704 of the Law require each "person" as defined by 5/18c-1104 to comply with every regulation or order of the Commission; these sections further provide that any person who fails to comply with a Commission regulation or order shall forfeit to the State not more than \$1,000 for each such failure, with each day's continuance of the violation being considered a separate offense; while the Commission expects all parties to comply with this Order in all matters addressed herein and in a timely manner, the Commission advises that any failure to comply may result in the assessment of such sanctions.
- (12) Any person making a Request for an Extension of Time up to 30 days to complete a project ordered by the Commission must file a request with the Director of Processing and Information no later than 14 days in advance of the scheduled deadline. An Administrative Law Judge will consider and decide the request.
- (13) Any person making a Request for an Extension of Time that exceeds 30 days must file a Petition for Supplemental Order with the Director of Processing and Information no later than 21 days in advance of the scheduled deadline. The Commission will decide Petitions for Supplemental Orders.
- (14) Requests for Extension of Time and Petitions for Supplemental Orders must include the reason(s) the additional time is needed to complete the work and the time within which the Project will be completed. Prior to submitting a Request for Extension of Time or a Petition for Supplemental Order, the person must notify the Commission's Rail Safety Program Administrator that it is unable to complete the Project within the ordered timeframe.
- (15) The Commission or its Administrative Law Judge reserves the right to deny Petitions for Supplemental Orders and Requests for Extension of Time, if the reason(s) supporting the request is (are) insufficient or where it appears the person has not made a good faith effort to complete the Project within the allotted time. Failure of the Commission or Administrative Law Judge to act on a pleading prior to the deadline means the originally ordered completion date remains in effect.

IT IS THEREFORE ORDERED by the Illinois Commerce Commission, that the Petitioner, County of DuPage, is authorized to construct in accordance with the plans

and specifications incorporated into the County's Petition, new highway-rail and pedestrian-rail grade separation structures to replace the existing Belmont Road (DuPage County Highway 2) highway-rail grade crossing of the BNSF Railway Company's tracks, and to the west, the existing pedestrian-rail grade crossing located in Downers Grove. The Project shall be completed by the County in accordance with Findings (6) through (14).

IT IS FURTHER ORDERED that the County of DuPage shall complete the construction of the Project by December 31, 2012.

IT IS FURTHER ORDERED that the cost to construct the new structures shall be paid for as outlined in Finding (8) above.

IT IS FURTHER ORDERED that the parties shall share maintenance responsibilities for the new structures as outlined in Finding (8) above.

IT IS FURTHER ORDERED that the County of DuPage, shall at six (6) month intervals from the date of this Order until the Project has been completed, submit written reports to the Director of Processing, Transportation Division of the Commission stating the progress it has made toward completion of the work herein required. Each progress report shall include the Commission Order number, the Order date, the Project completion date as noted in the Order, crossing information (inventory number and railroad milepost), type of improvement, and project manager information (name, title, mailing address, telephone number, and facsimile number) of the employee responsible for management of the Project.

IT IS FURTHER ORDERED that County of DuPage shall file written notice with the Director of Processing of the date this project is completed. This notice shall be filed within five days after the completion date.

IT IS FURTHER ORDERED that the County of DuPage in coordination with the BNSF Railway Company shall file with the Transportation Bureau's Director of Processing and Information within five (5) days after the completion of the work required under this order, a United States Department of Transportation Inventory Form (#6180.71).

IT IS FURTHER ORDERED that any person making a Request for Extension of Time up to thirty (30) days to complete a project ordered by the Commission must file a request with the Director of Processing no later than fourteen (14) days in advance of the scheduled deadline. An Administrative Law Judge will consider and decide the request.

IT IS FURTHER ORDERED that any person requesting an Extension of Time which exceeds thirty (30) days must file a Petition for Supplemental Order with the Director of Processing no later than twenty-one (21) days in advance of the scheduled deadline. The Commission will decide Petitions for Supplemental Orders.

IT IS FURTHER ORDERED that Requests for Extension of Time and Petitions for Supplemental Orders must include the reason(s) the additional time is needed to complete the work and the time within which the Project will be completed. Prior to submitting a Request for Extension or a Petition for Supplemental Order, the person must notify the Commission's Rail Safety Program Administrator that it is unable to complete the Project within the ordered timeframe.

IT IS FURTHER ORDERED that the Administrative Law Judge reserves the right to deny Requests for Extension of Time and Petitions for Supplemental Orders if the reason(s) supporting the request is insufficient or where it appears the person has not made a good faith effort to complete the Project within the allotted time. Failure of the Administrative Law Judge to act on a pleading prior to the deadline means the originally ordered completion date remains in effect.

IT IS FURTHER ORDERED that the Commission shall retain jurisdiction for the purpose of issuing any supplemental order or orders as it may deem necessary.

IT IS FURTHER ORDERED that in accordance with Chapter 625 ILCS 5/18c-2201 and 5/18c-2206 of the Illinois Commercial Transportation Law, this is a final Order subject to the Administrative Review Law.

By Order of the Commission this ____th day of September 2008.

CHARLES E. BOX
Chairman

PROJECT COSTS

Estimated Costs (Year 2007)

EA and preliminary design	\$ 1,500,000	
Final design	\$ 650,000	
Property acquisition and relocation	\$12,297,649	
Construction Contracts	\$38,252,420	(\$6,687,847 Advance) (\$31,564,573 Main)

Total =	\$52,700,069	

ALLOCATION OF PROJECT COSTS

Overall Project Cost	Metra/CMAQ ⁽¹⁾	Estimated Remaining Project Cost	GCPF	BNSF	IDOT ⁽²⁾	Metra ⁽²⁾
\$52,700,069	\$5,250,000	\$47,450,069	60% (\$12,000,000 maximum)	5% (Est. \$2,372,503)	50% of un-funded portion of remaining project cost (not to exceed \$16,538,783)	50% of un-funded portion of remaining project cost (not to exceed \$16,538,783)

⁽¹⁾ R-O-W acquisition and relocation

⁽²⁾ Remaining project cost = (Cost – GCPF – BNSF)

PROJECT SCHEDULE

Design Completion	3 rd Quarter 2008
Private Utility Relocation begins	1 st Quarter 2008
Contract Award – Advance Contract	3 rd Quarter 2008
Construction Begins – Advance Contract	3 rd Quarter 2008
Construction Complete – Advance Contract	3 rd Quarter 2009
Contract Award – Main Contract	3 rd Quarter 2009
Construction Begins – Main Contract	4 th Quarter 2009
BNSF Two Track Operation	04/01/2011 to 06/29/2011
Project Completion	3 rd Quarter 2012

**Summary of Advance + Main Construction Contracts - Belmont Road Grade Separation Project
Construction Cost Estimate**

Total for Advance Construction Contract	\$6,687,847
Total for Main Construction Contract	\$31,564,573
Grand Total for Project	\$38,252,420

**Advance Construction Contract - Belmont Road Grade Separation Project
Construction Cost Estimate**

System	Item	Project Component	Unit	Quantity	Unit Price	Cost
Runaround		Earth Excavation	CY	-	18	-
		Embankment	CY	3,940	25	98,500
		Temporary Sidewalk	LF	1,240	5	6,200
		8" Aggregate Base	SY	3,037	10	30,367
		8" Bituminous Pavement	SY	3,037	23	69,843
		Combination Curb & Gutter Removal	LF	1,190	5	5,950
		Temporary Concrete Barrier	LF	1,600	18	28,800
	Utilities	Mainline Storm	Trench Backfill	CY	4,180	30
15" Diameter Storm Sewer			LF	277	34	9,418
24" Diameter Storm Sewer			LF	546	42	22,932
30" Diameter Storm Sewer			LF	1,267	50	63,350
48" Diameter Manhole			EA	6	1,500	9,000
60" Diameter Manhole			EA	8	2,100	16,800
Jacking 48" Steel Casing Pipe			LF	122	600	73,200
Connection to Existing Manhole or Sewer			EA	2	520	1,040
Detention 8'x6' Box Culvert in Parking Lots			CY	3,328	640	2,129,920
Sanitary			Trench Backfill	CY	8,345	30
		8" Diameter PVC Sanitary Sewer	LF	364	21	7,644
		10" Diameter PVC Sanitary Sewer	LF	918	30	27,540
		12" Diameter PVC Sanitary Sewer	LF	371	40	14,840
		14" Diameter PVC Sanitary Sewer	LF	16	52	832
		4' Diameter Manhole	EA	8	2,100	16,800
		Jacking 36" Steel Casing Pipe	LF	122	500	61,000
		Connection to Existing Manhole or Sewer	EA	5	520	2,600
Water		Trench Backfill	CY	2,888	30	86,640
		6" Diameter DIP Water Main	LF	240	26	6,240
		8" Diameter DIP Water Main	LF	735	40	29,400
		12" Diameter DIP Water Main	LF	1,913	52	99,476
		3" Diameter Water Main Service	LF	180	21	3,780
		Fire Hydrant Complete	EA	3	2,100	6,300
		Domestic Water Service Box	EA	3	520	1,560
		5' Diameter Valve Vault	EA	4	2,100	8,400
		6" x 6" Pressure Connection	EA	1	2,100	2,100
		8" x 8" Pressure Connection	EA	1	3,100	3,100
		12" x 12" Pressure Connection	EA	3	4,200	12,600
	Jacking 24" Steel Casing Pipe	LF	122	400	48,800	
Parking Lot		4" Bituminous Pavement	SY	3,215	15	48,222
		8" Aggregate Base	SY	3,215	10	32,148
		Combination Concrete Curb & Gutter	LF	3,261	12	39,132
		Lighting	EA	9	7,000	63,000
MOT		Temporoary Signal, Pedestrian Crossing	EA	1	100,000	100,000
		MOT	LS	1	250,000	250,000
Other		Driveway removal	SY	304	3	912
		Remove Existing Traffic Signal	EA	1	1,100	1,100
SUB-TOTAL						3,915,235
MISCELLANEOUS & VARIOUS OTHER ITEMS (15%)						587,285
TOTAL						4,502,520
Mobilization (4%)						180,101
Unforeseen Conditions (5%)						225,126
General Site Conditions (2%)						90,050
Bonding and Insurance (2 %)						90,050
SUB-TOTAL FOR ADVANCE CONTRACT						5,087,847
BNSF Froce Account Work						1,000,000
Construction Mangerment						600,000
GRAND TOTAL FOR ADVANCE CONTRACT						6,687,847

**Main Construction Contract - Belmont Road Grade Separation Project
Construction Cost Estimate**

System	Item	Project Component	Unit	Quantity	Unit Price	Cost
STRUCTURAL RELATED						
	Concrete structures	Hwy Bridge	CY	338	700	236,600
		RR Bridge	CY	902	900	1,111,800
		Pedestrian Tunnel Walls	CY	1,262	700	883,610
		Stairwells	CY	710	700	497,000
		Retaining Walls	CY	704	700	492,800
	Concrete Superstructure		CY	150	750	112,500
	Furnishing and Erecting Structural Steel	Hwy Bridge	LB	93,000	2.31	214,830
		RR Bridge	LB	537,248	2.86	1,759,439
		RR Bridge Ballast PL	LB	109,152	2.86	312,175
	Elastomeric Expansion Bearing Assembly, Type I	Hwy Bridge	EACH	7	700	4,900
		RR Bridge	EACH	15	1000	15,000
	Pedestrian Fence Railing	Hwy Bridge	FT	187	40	7,480
		RR Bridge	FT	154	40	6,160
	Reinforcing Bars, Epoxy Coated	Hwy Bridge Superstruct	LB	25,000	0.75	18,750
		Hwy Bridge Substruct	LB	59,150	0.75	44,363
		RR Bridge Substruct	LB	157,850	0.75	118,388
		Pedestrian Tunnel Walls	LB	220,900	0.75	165,675
		Stairwell	LB	124,250	0.75	93,188
		Retaining Walls	LB	119,075	0.75	89,306
	Con-Span Unit		LS		1.00	234,000
	Bridge Deck Grooving	Hwy Bridge	SY	203	3	609
	Protective Coat	Hwy Bridge	SY	430	1.2	516
	Stud Shear Connectors	Hwy Bridge	EACH	1,491	3	4,473
	Drilled Shaft in Soil	Hwy Bridge	CY	389	750	291,450
		RR Bridge	CY	732	1571	1,149,344
		Pedestrian Tunnel	CY	129	1571	202,973
	Drilled Shaft in Rock	Hwy Bridge	CY	26	1150	29,325
		RR Bridge	CY	56	2400	134,160
		Pedestrian Tunnel	CY	6	2400	14,160
	Excavation Bracing System	RR Bridge& Pedestrian Tunnel	SF	21,966	88.01	1,933,228
	Canopy Wall	Ramp Canopy	SF	5,103	50	255,150
		Stairwell Canopy	SF	6,600	50	330,000
	Canopy Roof	Ramp Canopy	SF	6,894	35	241,290
		Stairwell Canopy	SF	3,654	35	127,904
	Permanent Casing	Hwy Bridge	FT	1,484	30	44,520
		RR Bridge	FT	1,242	50	62,100
		Pedestrian Tunnel	FT	1,110	25	27,756
	PUMP STATION	Strutural, Mechanical & Electrical Systems	LS	1	3,317,250	3,317,250
	Temp Timber Platforms (furnish, install, relocate, remove)		EA	10	7500	75,000
	New Permanent South Platform System		SF	8350	35	292,250
	New Traffic Signal at Haddow Ave.		EA	1	150000	150,000
	Lighting Systems (Bridges, Tunnel, Stairwells, Platforms)		LS			275,000
	Camera system for Tunnel		LS			25,000
	Sump system for Tunnel		LS			5,000

**Main Construction Contract - Belmont Road Grade Separation Project
Construction Cost Estimate**

System	Item	Project Component	Unit	Quantity	Unit Price	Cost	
ROADWAY AND CIVIL RELATED							
Belmont & Ramps	Main Line	Earth Excavation	CY	59,702	18	1,074,636	
		Portland Cement Concrete sidewalk 5 inch	SF	22,600	7	158,200	
		10 1/4" Bit. Concrete Base	SY	16,666	20	333,320	
		12" Sub-base granular material	SY	17,110	13	222,430	
		Change 12" sub-base to 16" aggregate subgr					74,143
		2" Bit. Concrete Surface	TON	1,870	100	187,000	
		Combination Curb & Gutter Type B-6.18	LF	5,111	15	76,665	
		Signs	EA	30	200	6,000	
		Paint Pavement Marking Line - 4"	LF	4,311	2	8,622	
		Bituminous Driveway Pavement 6"	SY	2,050	10	20,500	
		Traffic Control and Protection	LSUM	1	400,000	400,000	
							0
		Sidestreet		Earth Excavation	CY	27,233	18
Portland Cement Concrete sidewalk 5 inch	SF			10,880	7	76,160	
10 1/4" Bit. Concrete Base	SY			7103	20	142,060	
12" Sub-base granular material	SY			7103	13	92,339	
2" Bit. Concrete Surface	TON			750	100	75,000	
Combination Curb & Gutter Type B-6.18	LF			3142	15	47,130	
Signs	EA			40	200	8,000	
Paint Pavement Marking Line - 4"	LF			2,110	2	4,220	
Bituminous Driveway Pavement 6"	SY			1870	10	18,700	
							0
Removals	Main Line	Combination Curb and Gutter Removal	LF	3100	5	15,500	
		Sidewalk Removal	SF	10,200	3	25,500	
		Pavement Removal (Concrete)	SF	9,275	12	111,300	
		Pavement Removal (Bituminous)	SF	7,125	12	85,500	
		Driveway Pavement Removal	SF	2,500	12	30,000	
		Remove Existing Traffic Signal	EA	1	50,000	50,000	
Parking Lot		Combination Concrete Curb & Gutter, Type B-6.12	LF	760	12	9,120	
		Pavement 4" Bituminous	SY	1890	10	18,900	
		Pavement 8" Aggregate	SY	1890	15	28,350	
		Paint Pavement Marking Line - 4"	LF	1900	2	3,800	
		Signs	EA	10	200	2,000	
		Shelter	EA	1	10,000	10,000	
		Lighting	EA	1	800	800	
							0
					Sub-total:	19,312,510	
MISC. & VARIOUS OTHER ITEMS (Incl landscape & field office) (~15 %)						2,897,126	
Sub-total Contractor Work Items:						22,209,636	
Mobilization (4%)						888,400	
Unforeseen Conditions (5%)						1,110,500	
General Site Conditions (2%)						444,200	
Bonding and Insurance (2 %)						444,200	
SUB-TOTAL FOR MAIN CONTRACT						25,096,940	
BNSF Force Account Work						4,118,750	
Metra Force Account Work						150,000	
Construction Management						2,198,883	
GRAND TOTAL FOR MAIN CONTRACT						31,564,573	