

WEST ROAD PRELIMINARY ASSESSMENT			
SECT	SURFACE: ASPHALT	STATION RANGE	
1A		0+000	2+250
FROM	OLIPHANT WAY	TO	SPRY LAKE
COUNTY OP DESIGNATION	COLLECTOR RURAL		
CONSTRUCTION HISTORY	1975	Approx.	
POSTED SPEED (km/h)	60		
DESIGN SPEED (km/h)	70		
JULY 2015 DAILY TRAFFIC VOLUME	2400	WRA	

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES	FLAT		
CREST (K)	NA	25	
SAG (K)	NA	25	
HORIZONTAL CURVE RADII (m)	NA	190	
LOCATION ON ROW	CENTRED	CENTRED	
PLATFORM			
LANE WIDTH (m)	3.66	3.35	
SHOULDER WIDTH (m)	1.04	1.5	
TOTAL PLATFORM WIDTH	9.4	9.7	
RIGHT OF WAY (m)	20.117		
DRAINAGE			
<ul style="list-style-type: none"> road drainage overall poor lack of ditching High groundwater table 			
TOPOGRAPHY			
<ul style="list-style-type: none"> Flat, Sand Dunes, (Plainfield) Sand Dune (remnants of Lake Nipissing) 			
VEGETATION			
<ul style="list-style-type: none"> Mixed Deciduous/Coniferous 			
Geotechnical			
<ul style="list-style-type: none"> BH 1-11 			
Utilities			
<ul style="list-style-type: none"> Hydro/Telephone/CATV 			
Comments			
<ul style="list-style-type: none"> 			

WEST ROAD PRELIMINARY ASSESSMENT			
SECT	SURFACE: ASPHALT	STATION RANGE	
1B		2+250	3+120
FROM	SPRY LAKE	TO	HEMLOCK RD
COUNTY OP DESIGNATION	COLLECTOR RURAL		
CONSTRUCTION HISTORY	1991	Approx.	
POSTED SPEED (km/h)	50		
DESIGN SPEED (km/h)	60		
JULY 2015 DAILY TRAFFIC VOLUME	1430	WRB	

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES			
CREST (K)	32	15	
SAG (K)	19	18	
HORIZONTAL CURVE RADII (m)	1000	130	
LOCATION ON ROW	O/S 2.0m RT OF CL	CENTRED	
PLATFORM			
LANE WIDTH (m)	3.4	3.35	
SHOULDER WIDTH (m)	1.95	1.5	
TOTAL PLATFORM WIDTH	10.7	9.7	
RIGHT OF WAY (m)	30.48		
DRAINAGE	<ul style="list-style-type: none"> road drainage overall poor lack of ditching High groundwater table extensive ditch ponding on west side from 2+340 to 2+670 		
TOPOGRAPHY	<ul style="list-style-type: none"> Flat, Sand Dunes, (Plainfield) Sand Dune (remnants of Lake Nipissing) 		
VEGETATION	<ul style="list-style-type: none"> Mixed Deciduous/Coniferous 		
Geotechnical	<ul style="list-style-type: none"> BH 12-16 		
Utilities	<ul style="list-style-type: none"> Hydro/Telephone/CATV 		
Comments	<ul style="list-style-type: none"> 		

WEST ROAD PRELIMINARY ASSESSMENT			
SECT	SURFACE: ASPHALT	STATION RANGE	
2A		3+120	4+360
FROM	HEMLOCK RD	TO	AMABEL/ALBERMARLE BNDY
COUNTY OP DESIGNATION		COLLECTOR RURAL	
CONSTRUCTION HISTORY		1992	Approx.
POSTED SPEED (km/h)		80	
DESIGN SPEED (km/h)		90	
JULY 2015 DAILY TRAFFIC VOLUME		1430	WRB

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES	FLAT		
CREST (K)		50	
SAG (K)		40	
HORIZONTAL CURVE RADII (m)	NA	340	
LOCATION ON ROW	CENTRED	CENTRED	
PLATFORM			
LANE WIDTH (m)	3.4	3.35	
SHOULDER WIDTH (m)	1.5	1.5	
TOTAL PLATFORM WIDTH	9.8	9.7	
RIGHT OF WAY (m)	30.48		
DRAINAGE			
<ul style="list-style-type: none"> Wetland High groundwater table 			
TOPOGRAPHY			
<ul style="list-style-type: none"> Wetland 			
VEGETATION			
<ul style="list-style-type: none"> Mixed Deciduous/Coniferous 			
Geotechnical			
<ul style="list-style-type: none"> BH 17-22 			
Utilities			
<ul style="list-style-type: none"> Hydro/Telephone/CATV 			
Comments			
<ul style="list-style-type: none"> 			

WEST ROAD PRELIMINARY ASSESSMENT			
SECT	SURFACE:	STATION RANGE	
2B	ASPHALT	4+360	7+230
FROM	AMABEL/ALBERMARLE BNDY	TO	KOWEL LANE
COUNTY OP DESIGNATION	COLLECTOR RURAL		
CONSTRUCTION HISTORY	1992	Approx.	
POSTED SPEED (km/h)	80		
DESIGN SPEED (km/h)	90		
JULY 2015 DAILY TRAFFIC VOLUME	1430	WRB	

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES	FLAT		
CREST (K)		50	
SAG (K)		40	
HORIZONTAL CURVE RADII (m)	NA	340	
LOCATION ON ROW	VARIES FROM 0m O/S TO 3m O/S LT		
10m Encroachments	4+370 to 5+580		
PLATFORM			
LANE WIDTH (m)	3.4	3.35	
SHOULDER WIDTH (m)	1.45	1.5	
TOTAL PLATFORM WIDTH	9.7	9.7	
RIGHT OF WAY (m)	20.117		
DRAINAGE			
<ul style="list-style-type: none"> Wetland High groundwater table 			
TOPOGRAPHY			
<ul style="list-style-type: none"> Wetland/Low Lying Dunes 			
VEGETATION			
<ul style="list-style-type: none"> Mixed Deciduous/Coniferous 			
Geotechnical			
<ul style="list-style-type: none"> BH 23-37 			
Utilities			
<ul style="list-style-type: none"> Hydro/Telephone/CATV 			
Comments			
<ul style="list-style-type: none"> 			

WEST ROAD PRELIMINARY ASSESSMENT		
SECT	SURFACE: ASPHALT	STATION RANGE
3		7+230 11+350
FROM KOWEL LANE		TO HOWDENVALE ROAD
COUNTY OP DESIGNATION	COLLECTOR URBAN	
CONSTRUCTION HISTORY	Approx.	
POSTED SPEED (km/h)	50	
DESIGN SPEED (km/h)	60	
JULY 2015 DAILY TRAFFIC VOLUME	750	WRB1

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES	FLAT		
CREST (K)	1 deficient	15	
SAG (K)	4 deficient	18	
HORIZONTAL CURVE RADII (m)	Acceptable (min 190m)	130	
LOCATION ON ROW	MEANDERS	CENTRED	
10m Encroachments	8+225 to 8+275 Lt 8+310 TO 8+450 RT 8+490 TO 8+530 LT 8+930 to 9+090	9+950 to 9+810 10+615 TO 10+800 RT 11+160 TO 11+250 LT	
PLATFORM			
LANE WIDTH (m)	3.2	3.35	
SHOULDER WIDTH (m)	1.05	1.5	
TOTAL PLATFORM WIDTH (AVG)	8.5	9.7	
RIGHT OF WAY (m)	26.5	(Varies)	
DRAINAGE			
• Good to Poor			
TOPOGRAPHY			
• Dunes			
VEGETATION			
• Mixed Deciduous/Coniferous			
Geotechnical			
• BH 38-57			
Utilities			
• Hydro/Telephone/CATV			
Comments			
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WEST ROAD PRELIMINARY ASSESSMENT		
SECT	SURFACE: GRAVEL	STATION RANGE
4A		11+350 12+840
FROM HURON ROAD		TO 620 HOWDENVALE ROAD
COUNTY OP DESIGNATION		COLLECTOR RURAL
CONSTRUCTION HISTORY		Approx.
POSTED SPEED (km/h)		60
DESIGN SPEED (km/h)		70
JULY 2015 DAILY TRAFFIC VOLUME		190 WRC

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES			
CREST (K)	3 deficient	25	
SAG (K)		25	
HORIZONTAL CURVE RADII (m)		190	
LOCATION ON ROW	MEANDERS	CENTRED	
10m Encroachments	11+700 TO 12+480 LT 11+370 TO 11+700 RT 12+480 TO 13+210 LT 13+200 TO 13+260		
PLATFORM			
LANE WIDTH (m)	3	3.35	
SHOULDER WIDTH (m)	0	1.5	
TOTAL PLATFORM WIDTH (AVG)	6	9.7	
RIGHT OF WAY (m)	12.2 TO 20.1	(Varies)	
DRAINAGE			
• POOR			
TOPOGRAPHY			
• WETLAND			
VEGETATION			
• Mixed Deciduous/Coniferous			
Geotechnical			
• BH 58-65			
Utilities			
• Hydro/Telephone/CATV			
Comments			
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WEST ROAD PRELIMINARY ASSESSMENT		
SECT	SURFACE: GRAVEL	STATION RANGE
4B		12+840 13+980
FROM 620 HOWDENVALE ROAD	TO	536 HOWDENVALE ROAD
COUNTY OP DESIGNATION	COLLECTOR RURAL	
CONSTRUCTION HISTORY	Approx.	
POSTED SPEED (km/h)	60	
DESIGN SPEED (km/h)	70	
JULY 2015 DAILY TRAFFIC VOLUME	190	WRC

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES			
CREST (K)	4 deficient	25	
SAG (K)	3 deficient	25	
HORIZONTAL CURVE RADII (m)		190	
LOCATION ON ROW	MEANDERS	CENTRED	
10m Encroachments	13+260 TO 13+440 RT 13+440 TO 13+550 LT		
PLATFORM			
LANE WIDTH (m)	3	3.35	
SHOULDER WIDTH (m)		1.5	
TOTAL PLATFORM WIDTH (AVG)	6	9.7	
RIGHT OF WAY (m)	20.1	(Varies)	
DRAINAGE			
• FAIR			
TOPOGRAPHY			
• DUNES			
VEGETATION			
• Mixed Deciduous/Coniferous			
Geotechnical			
• BH 66-71			
Utilities			
• Hydro/Telephone/CATV			
Comments			
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WEST ROAD PRELIMINARY ASSESSMENT		
SECT	SURFACE: GRAVEL	STATION RANGE
4C		13+980 17+940
FROM 536 HOWDENVALE ROAD	TO	LOT 4/5 CON 3 WBR
COUNTY OP DESIGNATION	COLLECTOR RURAL	
CONSTRUCTION HISTORY	Approx.	
POSTED SPEED (km/h)	60	
DESIGN SPEED (km/h)	70	
JULY 2015 DAILY TRAFFIC VOLUME	190	WRC

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES			
CREST (K)	20 deficient	25	
SAG (K)	14 deficient	25	
HORIZONTAL CURVE RADII (m)		190	
LOCATION ON ROW	MEANDERS	CENTRED	
10m Encroachments	14+310 TO 14+400 LT 14+580 TO 14+820 LT 14+580 TO 14+820 LT 15+480 TO 15+520 RT		
PLATFORM			
LANE WIDTH (m)	3	3.35	
SHOULDER WIDTH (m)		1.5	
TOTAL PLATFORM WIDTH (AVG)	6	9.7	
RIGHT OF WAY (m)	20.1		
DRAINAGE			
• FAIR			
TOPOGRAPHY			
• SAND/SHALLOW BEDROCK			
VEGETATION			
• Mixed Deciduous/Coniferous			
Geotechnical			
• BH 72-90			
Utilities			
• CLEAR			
Comments			
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WEST ROAD PRELIMINARY ASSESSMENT		
SECT	SURFACE: GRAVEL	STATION RANGE
4D		17+940 19+530
FROM LOT 4/5 CON 3 WBR		TO SHANTY LANE
COUNTY OP DESIGNATION		COLLECTOR RURAL
CONSTRUCTION HISTORY		Approx.
POSTED SPEED (km/h)		60
DESIGN SPEED (km/h)		70
JULY 2015 DAILY TRAFFIC VOLUME		190 WRC

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES			
CREST (K)	3 DEFFICIENT	25	
SAG (K)	1 DEFFICIENT	25	
HORIZONTAL CURVE RADII (m)		190	
LOCATION ON ROW	MEANDERS	CENTRED	
10m Encroachments			
PLATFORM			
LANE WIDTH (m)	3	3.35	
SHOULDER WIDTH (m)		1.5	
TOTAL PLATFORM WIDTH (AVG)	6	9.7	
RIGHT OF WAY (m)	20.1		
DRAINAGE			
• POOR			
TOPOGRAPHY			
• WETLAND			
VEGETATION			
• Mixed Deciduous/Coniferous			
Geotechnical			
• BH 72-100			
Utilities			
• CLEAR			
Comments			
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WEST ROAD PRELIMINARY ASSESSMENT		
SECT	SURFACE:	STATION RANGE
4E	GRAVEL	19+530 21+585
FROM SHANTY LANE		TO PIKE BAY ROAD
COUNTY OP DESIGNATION		COLLECTOR RURAL
CONSTRUCTION HISTORY		Approx.
POSTED SPEED (km/h)		60
DESIGN SPEED (km/h)		70
JULY 2015 DAILY TRAFFIC VOLUME		190 WRC

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES			
CREST (K)	7 DEFFICIENT	25	
SAG (K)	5 DEFFICIENT	25	
HORIZONTAL CURVE RADII (m)		190	
LOCATION ON ROW	MEANDERS	CENTRED	
10m Encroachments			
PLATFORM			
LANE WIDTH (m)	3	3.35	
SHOULDER WIDTH (m)		1.5	
TOTAL PLATFORM WIDTH (AVG)	6	9.7	
RIGHT OF WAY (m)	20.1		
DRAINAGE			
• FAIR			
TOPOGRAPHY			
• SAND/SHALLOW BEDROCK ROLLING			
VEGETATION			
• Mixed Deciduous/Coniferous			
Geotechnical			
• BH 101-110			
Utilities			
• CLEAR			
Comments			
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WEST ROAD PRELIMINARY ASSESSMENT		
SECT	SURFACE:	STATION RANGE
4F	GRAVEL	0+000 4+060
FROM PIKE BAY ROAD		TO LITTLE PIKE BAY ROAD
COUNTY OP DESIGNATION		COLLECTOR RURAL
CONSTRUCTION HISTORY		Approx.
POSTED SPEED (km/h)		60
DESIGN SPEED (km/h)		70
JULY 2015 DAILY TRAFFIC VOLUME		190 WRC

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES			
CREST (K)	14 DEFFICIENT	25	
SAG (K)	14 DEFFICIENT	25	
HORIZONTAL CURVE RADII (m)		190	
LOCATION ON ROW	Meanders	CENTRED	
Deviation Road Section	1+620 to 2+520		
PLATFORM			
LANE WIDTH (m)	3.5	3.35	
SHOULDER WIDTH (m)		1.5	
TOTAL PLATFORM WIDTH (AVG)	7	9.7	
RIGHT OF WAY (m)	20.1		
DRAINAGE			
• FAIR			
TOPOGRAPHY			
• SAND/SHALLOW BEDROCK/ROLLING			
VEGETATION			
• Mixed Deciduous/Coniferous			
Geotechnical			
• BH 1-22			
Utilities			
• Hydro/Telephone			
Comments			
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WEST ROAD PRELIMINARY ASSESSMENT		
SECT	SURFACE: ASPHALT	STATION RANGE
5		4+060 8+130
FROM LITTLE PIKE BAY ROAD		TO FERNDALE ROAD
COUNTY OP DESIGNATION		COLLECTOR RURAL
CONSTRUCTION HISTORY		Approx.
POSTED SPEED (km/h)		80
DESIGN SPEED (km/h)		90
JULY 2015 DAILY TRAFFIC VOLUME		190 WRC

GEOMETRIC DESIGN ELEMENTS	EXISTING	DESIGN	
ALIGNMENT			
VERTICAL CURVES			
CREST (K)	1 DEFFICIENT	50	
SAG (K)		40	
HORIZONTAL CURVE RADII (m)		340	
LOCATION ON ROW	CENTRED	CENTRED	
PLATFORM			
LANE WIDTH (m)	3.45	3.35	
SHOULDER WIDTH (m)	1.65	1.5	
TOTAL PLATFORM WIDTH (AVG)	10.2	9.7	
RIGHT OF WAY (m)	20.1		
DRAINAGE			
• FAIR			
TOPOGRAPHY			
• AGRICULTURAL EXTENSIVELY DRAINED - FERNDALE FLATS			
VEGETATION			
• Mixed Deciduous/Coniferous			
Geotechnical			
• BH 23-41			
Utilities			
• Hydro/Telephone			
Comments			
•			