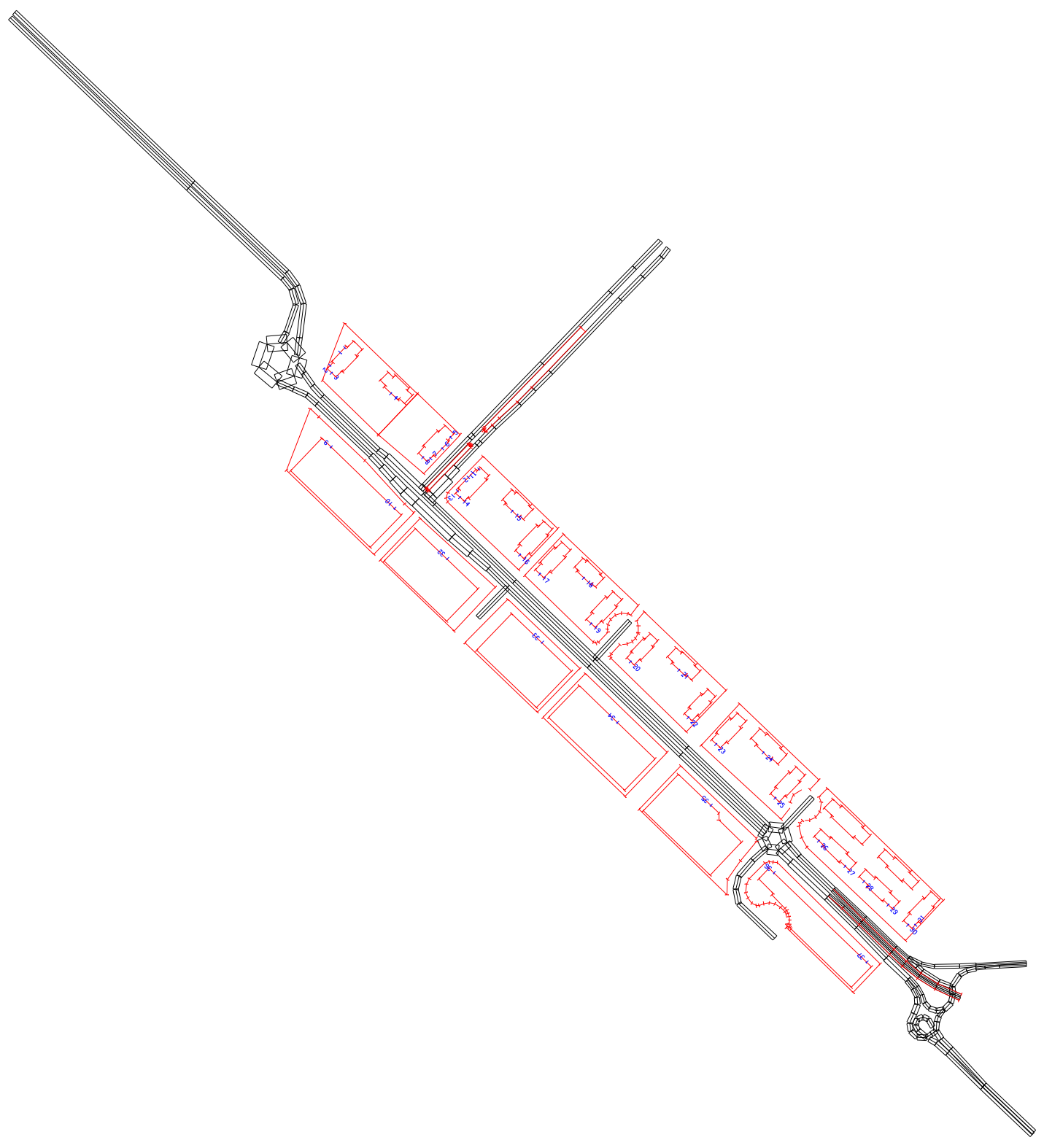


Appendix 3.3

***Road-plots of the Traffic Noise Model and Sample
Input and Output File***



45.0 839449.7 819296.2 0.0 839453.0 819302.6 0.0 0.0 0.0
 46.0 839453.0 819302.6 0.0 839453.1 819303.6 0.0 0.0 0.0
 47.0 839453.1 819303.6 0.0 839453.3 819312.4 0.0 0.0 0.0
 48.0 839453.3 819312.4 0.0 839451.0 819319.0 0.0 0.0 0.0
 49.0 839451.0 819319.0 0.0 839461.0 819329.9 0.0 0.0 0.0
 50.0 839581.8 819213.0 0.0 839682.3 819116.6 0.0 0.0 0.0
 51.0 839682.3 819116.6 0.0 839670.9 819104.4 0.0 0.0 0.0
 52.0 839669.9 819104.4 0.0 839650.1 819097.6 0.0 0.0 0.0
 53.0 839650.1 819097.6 0.0 839646.5 819096.6 0.0 0.0 0.0
 54.0 839646.5 819096.6 0.0 839634.5 819066.6 0.0 0.0 0.0
 55.0 839634.5 819066.6 0.0 839533.0 819160.6 0.0 0.0 0.0
 56.0 839533.0 819160.6 0.0 839581.8 819213.0 0.0 0.0 0.0

445.0 839237.9 819542.9 5.4 839238.9 819543.0 5.4 0.0 0.0

***** BARRIER DATA *****

BARRIER START COORDINATES END COORDINATES WIDTH FRACT ACTIVE BARRIER ADJUSTMENT LEVELS

ID	X	Y	H	X	Y	H	OPEN
446.0	839238.9	819543.0	5.4	839239.7	819542.8	5.4	0.0
447.0	839239.7	819542.8	5.4	839240.4	819542.3	5.4	0.0
448.0	839240.4	819542.3	5.4	839240.9	819541.7	5.4	0.0
449.0	839240.9	819541.7	5.4	839241.2	819541.4	5.4	0.0
450.0	839241.2	819541.4	5.4	839241.1	819539.9	5.4	0.0
451.0	839241.1	819539.9	5.4	839240.5	819538.9	5.4	0.0
452.0	839240.5	819538.9	5.4	839188.1	819484.5	6.4	0.0
453.0	839188.1	819484.5	6.4	839187.1	819484.1	6.4	0.0
454.0	839187.1	819484.1	6.4	839186.1	819484.0	6.4	0.0
455.0	839186.1	819484.0	6.4	839185.2	819484.4	6.4	0.0
456.0	839185.2	819484.4	6.4	839184.3	819485.3	6.4	0.0
457.0	839184.3	819485.3	6.4	839184.0	819486.7	6.4	0.0
458.0	839184.0	819486.7	6.4	839184.3	819487.7	6.4	0.0
459.0	839258.2	819564.6	5.3	839280.4	819691.2	5.1	0.0
460.0	839280.4	819691.2	5.1	839386.1	819695.7	5.1	0.0
461.0	839386.1	819695.7	5.1	839318.0	819614.8	5.2	0.0
462.0	839318.0	819614.8	5.2	839299.2	819596.3	5.2	0.0
463.0	839299.2	819596.3	5.2	839276.7	819575.8	5.3	0.0
464.0	839276.7	819575.8	5.3	839267.8	819567.1	5.3	0.0
465.0	839267.8	819567.1	5.3	839260.4	819559.6	5.3	0.0
466.0	839260.4	819559.6	5.3	839259.1	819558.9	5.3	0.0
467.0	839259.1	819558.9	5.3	839257.5	819559.2	5.3	0.0
468.0	839257.5	819559.2	5.3	839256.5	819560.3	5.3	0.0
469.0	839256.5	819560.3	5.3	839256.4	819561.7	5.3	0.0
470.0	839256.4	819561.7	5.3	839256.4	819562.0	5.3	0.0
471.0	839256.4	819562.0	5.3	839258.2	819564.6	5.3	0.0
474.0	839064.4	819648.1	7.7	839082.6	819667.1	7.7	0.0
475.0	839082.6	819667.1	7.7	839084.1	819665.9	7.7	0.0
476.0	839084.1	819665.9	7.7	839091.9	819673.6	7.7	0.0
477.0	839091.9	819673.6	7.7	839102.9	819663.1	7.7	0.0
478.0	839102.9	819663.1	7.7	839095.1	819655.1	7.7	0.0
479.0	839095.1	819655.1	7.7	839096.6	819659.9	7.7	0.0
480.0	839096.6	819659.9	7.7	839078.1	819634.6	7.7	0.0
481.0	839078.1	819634.6	7.7	839076.9	819636.1	7.7	0.0
482.0	839076.9	819636.1	7.7	839069.1	819628.1	7.7	0.0
483.0	839069.1	819628.1	7.7	839058.1	819638.9	7.7	0.0
484.0	839058.1	819638.9	7.7	839065.9	819646.6	7.7	0.0
485.0	839065.9	819646.6	7.7	839064.1	819648.1	7.7	0.0
486.0	839125.7	819624.2	7.7	839135.6	819634.4	7.7	0.0
487.0	839135.6	819634.4	7.7	839142.4	819627.9	7.7	0.0
488.0	839142.4	819627.9	7.7	839149.9	819630.5	7.7	0.0
489.0	839149.9	819630.5	7.7	839162.0	819613.8	7.7	0.0
490.0	839162.0	819613.8	7.7	839159.7	819611.3	7.7	0.0
491.0	839159.7	819611.3	7.7	839166.5	819604.8	7.7	0.0
492.0	839166.5	819604.8	7.7	839156.6	819599.3	7.7	0.0
493.0	839156.6	819599.3	7.7	839166.6	819604.8	7.7	0.0
494.0	839166.6	819604.8	7.7	839148.0	819599.1	7.7	0.0
495.0	839148.0	819599.1	7.7	839130.6	819615.8	7.7	0.0
496.0	839130.6	819615.8	7.7	839132.4	819617.6	7.7	0.0
497.0	839132.4	819617.6	7.7	839125.5	819626.2	7.7	0.0
498.0	839125.5	819626.2	7.7	839180.1	819541.1	6.4	0.0
499.0	839180.1	819541.1	6.4	839186.2	819560.1	6.4	0.0
500.0	839186.2	819560.1	6.4	839200.1	819559.3	6.4	0.0
501.0	839200.1	819559.3	6.4	839207.9	819566.6	6.4	0.0
502.0	839207.9	819566.6	6.4	839219.1	819547.9	6.4	0.0
503.0	839219.1	819547.9	6.4	839212.6	819546.6	6.4	0.0

***** BARRIER DATA *****

BARRIER START COORDINATES END COORDINATES WIDTH FRACT ACTIVE BARRIER ADJUSTMENT LEVELS

ID	X	Y	H	X	Y	H	OPEN
504.0	839212.6	819546.6	6.4	839194.6	819527.4	6.4	0.0
505.0	839194.6	819527.4	6.4	839193.5	819528.9	6.4	0.0
506.0	839193.5	819528.9	6.4	839185.1	819520.9	6.4	0.0
507.0	839185.1	819520.9	6.4	839174.1	819531.6	6.4	0.0
508.0	839174.1	819531.6	6.4	839181.6	819539.8	6.4	0.0
509.0	839181.6	819539.8	6.4	839180.1	819541.1	6.4	0.0
577.0	839407.5	819317.0	5.4	839406.0	819318.4	5.4	0.0
578.0	839406.0	819318.4	5.4	839398.9	819310.4	5.4	0.0
579.0	839398.9	819310.4	5.4	839387.5	819320.8	5.4	0.0
580.0	839387.5	819320.8	5.4	839395.1	819328.8	5.4	0.0
581.0	839395.1	819328.8	5.4	839393.7	819330.1	5.4	0.0
582.0	839393.7	819330.1	5.4	839443.9	819279.9	6.4	0.0
583.0	839443.9	819279.9	6.4	839460.2	819296.7	6.4	0.0
584.0	839460.2	819296.7	6.4	839465.1	819295.5	6.4	0.0
585.0	839465.1	819295.5	6.4	839468.2	819302.4	6.4	0.0
586.0	839468.2	819302.4	6.4	839477.8	819293.4	6.4	0.0
587.0	839477.8	819293.4	6.4	839470.9	819284.8	6.4	0.0
588.0	839470.9	819284.8	6.4	839472.3	819285.1	6.4	0.0
589.0	839472.3	819285.1	6.4	839456.1	819268.3	6.4	0.0
590.0	839456.1	819268.3	6.4	839454.8	819269.6	6.4	0.0
591.0	839454.8	819269.6	6.4	839447.9	819262.5	6.4	0.0
592.0	839447.9	819262.5	6.4	839438.6	819271.7	6.4	0.0
593.0	839438.6	819271.7	6.4	839445.3	819278.8	6.4	0.0
594.0	839445.3	819278.8	6.4	839443.9	819279.9	6.4	0.0
595.0	839443.9	819279.9	6.4	839490.1	819273.2	6.4	0.0
596.0	839490.1	819273.2	6.4	839501.0	819284.6	6.4	0.0
597.0	839501.0	819284.6	6.4	839508.0	819277.7	6.4	0.0
598.0	839508.0	819277.7	6.4	839509.3	819279.1	6.4	0.0
599.0	839509.3	819279.1	6.4	839526.2	819262.8	6.4	0.0
600.0	839526.2	819262.8	6.4	839524.9	819261.4	6.4	0.0
601.0	839524.9	819261.4	6.4	839524.9	819261.4	6.4	0.0
602.0	839524.9	819261.4	6.4	839520.9	819243.4	6.4	0.0
603.0	839520.9	819243.4	6.4	839513.9	819250.2	6.4	0.0
604.0	839513.9	819250.2	6.4	839512.7	819248.8	6.4	0.0
605.0	839512.7	819248.8	6.4	839495.8	819265.1	6.4	0.0
606.0	839495.8	819265.1	6.4	839497.1	819266.4	6.4	0.0
607.0	839497.1	819266.4	6.4	839490.1	819273.1	6.4	0.0
608.0	839490.1	819273.1	6.4	839517.3	819209.2	6.4	0.0
609.0	839517.3	819209.2	6.4	839533.6	819226.1	6.4	0.0
610.0	839533.6	819226.1	6.4	839541.6	819223.8	6.4	0.0
611.0	839541.6	819223.8	6.4	839551.0	819222.7	6.4	0.0
612.0	839551.0	819222.7	6.4	839544.2	819215.7	6.4	0.0
613.0	839544.2	819215.7	6.4	839545.5	819214.4	6.4	0.0
614.0	839545.5	819214.4	6.4	839529.3	819197.6	6.4	0.0
615.0	839529.3	819197.6	6.4	839528.1	819198.9	6.4	0.0
616.0	839528.1	819198.9	6.4	839521.2	819191.8	6.4	0.0
617.0	839521.2	819191.8	6.4	839511.8	819200.9	6.4	0.0

***** BARRIER DATA *****

BARRIER START COORDINATES END COORDINATES WIDTH FRACT ACTIVE BARRIER ADJUSTMENT LEVELS

ID	X	Y	H	X	Y	H	OPEN
618.0	839511.8	819200.9	6.4	839518.6	819208.0	6.4	0.0
619.0	839518.6	819208.0	6.4	839517.3	819209.2	6.4	0.0
620.0	839517.3	819209.2	6.4	839524.9	819196.9	6.4	0.0
621.0	839524.9	819196.9	6.4	839515.5	819193.9	6.4	0.0
622.0	839515.5	819193.9	6.4	839578.9	819201.6	6.4	0.0
623.0	839578.9	819201.6	6.4	839589.8	819191.1	6.4	0.0
624.0	839589.8	819191.1	6.4	839582.9	819183.6	6.4	0.0
625.0	839582.9	819183.6	6.4	839583.8	819181.9	6.4	0.0
626.0	839583.8	819181.9	6.4	839566.1	819163.8	6.4	0.0
627.0	839566.1	819163.8	6.4	839564.6	819164.9	6.4	0.0
628.0	839564.6	819164.9	6.4	839557.3	819157.3	6.4	0.0
629.0	839557.3	819157.3	6.4	839557.3	819157.3	6.4	0.0
630.0	839557.3	819157.3	6.4	839546.4	819167.8	6.4	0.0
631.0	839546.4	819167.8	6.4	839545.3	819167.8	6.4	0.0
632.0	839545.3	819167.8	6.4	839552.8	819176.9	6.4	0.0
633.0	839552.8	819176.9	6.4	839562.0	819160.8	6.4	0.0
634.0	839562.0	819160.8	6.4	839607.6	81918		

644.0 839646.2 819125.4 54.7 839653.6 819133.2 54.7 0.0 0.00
645.0 839653.6 819133.2 54.7 839664.6 819125.6 54.7 0.0 0.00
646.0 839664.6 819125.6 54.7 839653.6 819115.0 54.7 0.0 0.00
647.0 839653.6 819115.0 54.7 839658.5 819113.6 54.7 0.0 0.00
648.0 839658.5 819113.6 54.7 839640.7 819095.2 54.7 0.0 0.00
649.0 839640.7 819095.2 54.7 839639.4 819096.6 54.7 0.0 0.00
650.0 839639.4 819096.6 54.7 839631.9 819088.8 54.7 0.0 0.00
651.0 839631.9 819088.8 54.7 839621.1 819099.4 54.7 0.0 0.00
652.0 839621.1 819099.4 54.7 839628.8 819086.9 54.7 0.0 0.00
653.0 839628.8 819086.9 54.7 839627.3 819108.3 54.7 0.0 0.00
654.0 839627.3 819108.3 54.7 839700.1 819092.2 44.9 0.0 0.00
655.0 839700.1 819092.2 44.9 839710.3 819082.5 44.9 0.0 0.00
656.0 839710.3 819082.5 44.9 839711.6 819084.1 44.9 0.0 0.00
657.0 839711.6 819084.1 44.9 839719.3 819057.3 44.9 0.0 0.00
658.0 839719.3 819057.3 44.9 839737.8 819055.9 44.9 0.0 0.00
659.0 839737.8 819055.9 44.9 839747.9 819046.2 44.9 0.0 0.00
660.0 839747.9 819046.2 44.9 839737.2 819034.9 44.9 0.0 0.00
661.0 839737.2 819034.9 44.9 839727.1 819044.6 44.9 0.0 0.00
662.0 839727.1 819044.6 44.9 839725.8 819043.1 44.9 0.0 0.00
663.0 839725.8 819043.1 44.9 839698.0 819069.9 44.9 0.0 0.00
664.0 839698.0 819069.9 44.9 839699.3 819071.3 44.9 0.0 0.00
665.0 839699.3 819071.3 44.9 839689.2 819081.1 44.9 0.0 0.00
666.0 839689.2 819081.1 44.9 839685.9 819053.9 44.9 0.0 0.00
667.0 839685.9 819053.9 44.9 839696.9 819042.5 44.9 0.0 0.00
668.0 839696.9 819042.5 44.9 839698.2 819043.9 44.9 0.0 0.00
669.0 839698.2 819043.9 44.9 839719.1 819023.9 44.9 0.0 0.00
670.0 839719.1 819023.9 44.9 839717.6 819022.4 44.9 0.0 0.00
671.0 839717.6 819022.4 44.9 839729.4 819011.1 44.9 0.0 0.00

***** BARRIER DATA *****

BARRIER START COORDINATES END COORDINATES WIDTH FRACT ACTIVE BARRIER ADJUSTMENT LEVELS
ID X Y H X Y H OPEN

672.0 839729.4 819011.1 44.9 839720.9 819002.3 44.9 0.0 0.00
673.0 839720.9 819002.3 44.9 839709.1 819013.6 44.9 0.0 0.00
674.0 839709.1 819013.6 44.9 839707.8 819012.1 44.9 0.0 0.00
675.0 839707.8 819012.1 44.9 839687.0 819032.2 44.9 0.0 0.00
676.0 839687.0 819032.2 44.9 839688.8 819033.7 44.9 0.0 0.00
677.0 839688.8 819033.7 44.9 839676.6 819045.0 44.9 0.0 0.00
678.0 839676.6 819045.0 44.9 839766.6 819028.1 44.9 0.0 0.00
679.0 839766.6 819028.1 44.9 839778.1 819017.0 44.9 0.0 0.00
680.0 839778.1 819017.0 44.9 839779.6 819018.5 44.9 0.0 0.00
681.0 839779.6 819018.5 44.9 839798.6 819000.1 44.9 0.0 0.00
682.0 839798.6 819000.1 44.9 839797.3 818998.6 44.9 0.0 0.00
683.0 839797.3 818998.6 44.9 839808.8 818987.6 44.9 0.0 0.00
684.0 839808.8 818987.6 44.9 839800.1 818978.3 44.9 0.0 0.00
685.0 839800.1 818978.3 44.9 839788.8 818989.6 44.9 0.0 0.00
686.0 839788.8 818989.6 44.9 839787.3 818988.1 44.9 0.0 0.00
687.0 839787.3 818988.1 44.9 839768.3 819006.4 44.9 0.0 0.00
688.0 839768.3 819006.4 44.9 839769.6 819008.0 44.9 0.0 0.00
689.0 839769.6 819008.0 44.9 839758.0 819019.1 44.9 0.0 0.00
690.0 839758.0 819019.1 44.9 839742.1 819002.8 44.9 0.0 0.00
691.0 839742.1 819002.8 44.9 839753.8 818991.6 44.9 0.0 0.00
692.0 839753.8 818991.6 44.9 839755.2 818993.3 44.9 0.0 0.00
693.0 839755.2 818993.3 44.9 839774.2 818974.8 44.9 0.0 0.00
694.0 839774.2 818974.8 44.9 839772.8 818973.3 44.9 0.0 0.00
695.0 839772.8 818973.3 44.9 839764.4 818961.9 44.9 0.0 0.00
696.0 839764.4 818961.9 44.9 839775.8 818953.1 44.9 0.0 0.00
697.0 839775.8 818953.1 44.9 839764.1 818964.3 44.9 0.0 0.00
698.0 839764.1 818964.3 44.9 839762.7 818962.8 44.9 0.0 0.00
699.0 839762.7 818962.8 44.9 839743.6 818981.1 44.9 0.0 0.00
700.0 839743.6 818981.1 44.9 839745.1 818982.6 44.9 0.0 0.00
701.0 839745.1 818982.6 44.9 839735.5 818995.9 44.9 0.0 0.00
702.0 839735.5 818995.9 44.9 839815.1 818967.4 44.9 0.0 0.00
703.0 839815.1 818967.4 44.9 839816.6 818966.0 44.9 0.0 0.00
704.0 839816.6 818966.0 44.9 839825.1 818974.7 44.9 0.0 0.00
705.0 839825.1 818974.7 44.9 839835.5 818964.7 44.9 0.0 0.00
706.0 839835.5 818964.7 44.9 839827.0 81955.9 44.9 0.0 0.00
707.0 839827.0 81955.9 44.9 839828.4 818954.6 44.9 0.0 0.00
708.0 839828.4 818954.6 44.9 839810.1 818935.4 44.9 0.0 0.00
709.0 839810.1 818935.4 44.9 839808.7 818936.8 44.9 0.0 0.00
710.0 839808.7 818936.8 44.9 839800.3 818928.3 44.9 0.0 0.00

711.0 839800.3 818928.3 44.9 839789.8 818938.2 44.9 0.0 0.00
712.0 839789.8 818938.2 44.9 839798.3 818946.9 44.9 0.0 0.00
713.0 839798.3 818946.9 44.9 839796.7 818948.3 44.9 0.0 0.00
714.0 839796.7 818948.3 44.9 839051.1 819509.3 43.8 0.0 0.00
715.0 839051.1 819509.3 43.8 839051.4 819550.3 43.8 0.0 0.00
716.0 839051.4 819550.3 43.8 839152.4 819452.8 43.8 0.0 0.00
717.0 839152.4 819452.8 43.8 839112.8 819412.0 43.8 0.0 0.00
718.0 839112.8 819412.0 43.8 839011.9 819509.3 43.8 0.0 0.00
719.0 839011.9 819509.3 43.8 839170.3 819425.6 43.3 0.0 0.00
720.0 839170.3 819425.6 43.3 839249.6 819359.2 43.3 0.0 0.00
721.0 839249.6 819359.2 43.3 839209.9 819318.1 43.3 0.0 0.00
722.0 839209.9 819318.1 43.3 839130.6 819394.6 43.3 0.0 0.00
723.0 839130.6 819394.6 43.3 839292.6 819327.5 52.9 0.0 0.00
724.0 839292.6 819327.5 52.9 839368.4 819254.6 52.9 0.0 0.00
725.0 839368.4 819254.6 52.9 839248.0 819281.4 52.9 0.0 0.00
726.0 839248.0 819281.4 52.9 839378.1 819236.1 43.3 0.0 0.00
727.0 839378.1 819236.1 43.3 839474.3 819143.4 43.3 0.0 0.00

***** BARRIER DATA *****

BARRIER START COORDINATES END COORDINATES WIDTH FRACT ACTIVE BARRIER ADJUSTMENT LEVELS
ID X Y H X Y H OPEN

728.0 839474.3 819143.4 43.3 839435.6 819103.3 43.3 0.0 0.00
729.0 839435.6 819103.3 43.3 839339.5 819195.8 43.3 0.0 0.00
730.0 839339.5 819195.8 43.3 839503.9 819123.8 43.3 0.0 0.00
731.0 839503.9 819123.8 43.3 839555.8 819004.6 43.2 0.0 0.00
732.0 839555.8 819004.6 43.2 839554.4 819063.6 43.2 0.0 0.00
733.0 839554.4 819063.6 43.2 839584.4 819037.6 43.2 0.0 0.00
734.0 839584.4 819037.6 43.2 839544.2 818995.9 43.2 0.0 0.00
735.0 839544.2 818995.9 43.2 839459.3 819077.5 43.2 0.0 0.00
736.0 839459.3 819077.5 43.2 839619.2 819004.6 43.2 0.0 0.00
737.0 839619.2 819004.6 43.2 839749.1 818879.5 43.2 0.0 0.00
738.0 839749.1 818879.5 43.2 839723.5 818853.4 43.2 0.0 0.00
739.0 839723.5 818853.4 43.2 839646.9 818927.4 43.2 0.0 0.00
740.0 839646.9 818927.4 43.2 839645.7 818929.1 43.2 0.0 0.00
741.0 839645.7 818929.1 43.2 839648.8 818930.9 43.2 0.0 0.00
742.0 839648.8 818930.9 43.2 839644.8 818933.6 43.2 0.0 0.00
743.0 839644.8 818933.6 43.2 839645.1 818938.9 43.2 0.0 0.00
744.0 839645.1 818938.9 43.2 839644.6 818943.1 43.2 0.0 0.00
745.0 839644.6 818943.1 43.2 839643.1 818947.2 43.2 0.0 0.00
746.0 839643.1 818947.2 43.2 839641.7 818951.0 43.2 0.0 0.00
747.0 839641.7 818951.0 43.2 839639.5 818953.9 43.2 0.0 0.00
748.0 839639.5 818953.9 43.2 839622.5 818970.6 43.2 0.0 0.00
749.0 839622.5 818970.6 43.2 839624.3 818972.8 43.2 0.0 0.00
750.0 839624.3 818972.8 43.2 839605.8 818990.7 43.2 0.0 0.00
421.0 839700.8 818977.6 5.2 839736.8 818939.2 5.2 0.0 0.00
422.0 839736.8 818939.2 5.2 839779.9 818901.7 5.2 0.0 0.00
423.0 839779.9 818901.7 5.2 839793.6 818886.8 5.2 0.0 0.00
424.0 839793.6 818886.8 5.2 839812.0 818871.3 5.2 0.0 0.00
425.0 839812.0 818871.3 5.2 839833.2 818858.0 5.2 0.0 0.00
426.0 839833.2 818858.0 5.2 839863.4 818844.5 5.2 0.0 0.00
427.0 839863.4 818844.5 5.2 839894.3 818830.9 5.2 0.0 0.00
428.0 839894.3 818830.9 5.2 839933.4 818817.2 5.2 0.0 0.00
429.0 839933.4 818817.2 5.2 839972.3 818803.5 5.2 0.0 0.00
430.0 839972.3 818803.5 5.2 839988.4 818800.3 5.2 0.0 0.00
431.0 839988.4 818800.3 5.2 839807.4 818864.6 5.2 0.0 0.00
432.0 839807.4 818864.6 5.2 839829.8 818851.0 5.2 0.0 0.00
433.0 839829.8 818851.0 5.2 839860.4 818836.7 5.2 0.0 0.00

***** CONTOUR DATA *****

*** NONE ***

***** RECEIVER DATA *****

ID DESCRIPTION COORDINATES HEIGHT ANGLES OF VIEW REC. RPTS HEIGHT
X Y H REGRD LEFT RIGHT TYPE INC

1 N1 839080.0 819665.7 11.7 11.7 219.8 56.5 FAC 0 25
2 N2 839061.3 819643.2 11.7 11.7 215.4 58.0 FAC 0 32
3 N3 839063.3 819632.7 11.7 11.7 122.1 324.1 FAC 0 3.2
4 N4 839138.6 819606.7 11.7 11.7 126.8 321.3 FAC 0 3.2

*** WARNING *** CHANGING TO 1-HOUR FLOW RATES

21.0 57.5 12.2 6.8 6.1 0.0 0.0 12.2 4 0.0 0.0 74.1 0.0 -1.0 0.0 -11.7 -6.6 0.0 0.0 0.0 25 57.3
22.0 57.5 18.0 6.6 6.1 0.0 0.0 18.0 4 77.7 -30.0 74.1 0.0 -1.0 0.0 -10.0 -6.6 0.0 -0.6 0.0 25 58.4
23.0 0.0 ANGLE CUT-OFF
24.0 0.0 ANGLE CUT-OFF
25.0 0.0 ANGLE CUT-OFF
26.0 0.0 ANGLE CUT-OFF
27.0 0.0 ANGLE CUT-OFF
28.0 0.0 ANGLE CUT-OFF
29.0 0.0 ANGLE CUT-OFF
30.0 0.0 ANGLE CUT-OFF
31.0 0.0 ANGLE CUT-OFF
32.0 0.0 ANGLE CUT-OFF
33.0 0.0 ANGLE CUT-OFF
34.0 0.0 ANGLE CUT-OFF
35.0 0.0 ANGLE CUT-OFF
36.0 0.0 ANGLE CUT-OFF
37.0 0.0 ANGLE CUT-OFF
38.0 0.0 ANGLE CUT-OFF
39.0 0.0 ANGLE CUT-OFF
40.0 0.0 ANGLE CUT-OFF
41.0 0.0 ANGLE CUT-OFF
42.0 0.0 ANGLE CUT-OFF
43.0 0.0 ANGLE CUT-OFF
44.0 0.0 ANGLE CUT-OFF
45.0 70.9 10.9 6.6 6.1 0.0 0.0 10.9 4 77.7 -30.0 74.4 0.0 -1.0 0.0 -12.2 -7.4 0.0 -1.0 0.0 25 55.6
46.0 70.7 12.1 6.8 6.1 0.0 0.0 12.1 4 0.0 0.0 74.4 0.0 -1.0 0.4 -11.7 -7.4 0.0 0.0 0.0 25 57.2
47.0 50.2 DISTANCE CUT-OFF
48.0 42.2 18.0 7.0 6.1 0.0 0.0 18.0 4 0.0 0.0 74.0 0.0 -1.0 0.0 -10.0 -5.3 0.0 0.0 0.0 25 60.2
49.0 40.8 16.8 7.0 6.1 0.0 0.0 16.8 4 0.0 0.0 74.0 0.0 -1.0 0.0 -10.3 -5.2 0.0 0.0 0.0 25 60.0
50.0 4.0 2.5 7.0 6.1 0.0 0.0 2.5 4 0.0 0.0 74.0 0.0 -1.0 0.0 -18.5 2.0 0.0 0.0 0.0 25 59.0
51.0 78.1 14.2 7.0 6.1 0.0 0.0 14.2 4 0.0 0.0 74.0 0.0 -1.0 0.0 -11.0 -7.8 0.0 0.0 0.0 25 56.7
52.0 84.5 15.5 7.0 6.1 0.0 0.0 15.5 4 0.0 0.0 74.0 0.0 -1.0 0.0 -10.6 -8.1 0.0 0.0 0.0 25 56.8
53.0 4.0 2.6 7.0 6.1 0.0 0.0 2.6 4 0.0 0.0 74.0 0.0 -1.0 0.0 -18.4 2.0 0.0 0.0 0.0 25 59.1
54.0 15.0 2.0 11.0 6.1 0.0 0.0 2.0 4 0.0 0.0 73.6 0.0 -1.0 0.0 -19.6 -1.4 0.0 0.0 0.0 25 54.1
55.0 16.3 5.5 9.3 6.1 0.0 0.0 5.5 4 0.0 0.0 73.6 0.0 -1.0 0.0 -15.2 -1.7 0.0 0.0 0.0 25 58.2
56.0 0.2 ANGLE CUT-OFF
57.0 26.9 5.6 8.1 6.1 0.0 0.0 5.6 4 0.0 0.0 73.6 0.0 -1.0 0.0 -15.1 -3.6 0.0 0.0 0.0 25 56.4
58.0 54.5 34.7 7.8 6.1 0.0 0.0 34.7 4 0.0 0.0 73.6 0.0 -1.0 0.0 -7.1 -6.3 0.0 0.0 0.0 25 61.7
59.0 54.5 21.4 7.3 6.1 0.0 0.0 21.4 4 0.0 0.0 73.6 0.0 -1.0 0.0 -9.3 -6.3 0.0 0.0 0.0 25 59.5
60.0 69.0 10.6 7.3 6.1 0.0 0.0 10.6 4 0.0 0.0 73.8 0.0 -1.0 0.0 -12.3 -7.3 0.0 0.0 0.0 25 56.7
61.0 72.0 27.0 7.8 6.1 0.0 0.0 27.0 4 0.0 0.0 73.8 0.0 -1.0 0.4 -8.2 -7.5 0.0 0.0 0.0 25 60.0
62.0 40.1 6.3 8.1 6.1 0.0 0.0 6.3 4 0.0 0.0 73.8 0.0 -1.0 0.4 -14.6 -5.1 0.0 0.0 0.0 25 56.0
63.0 0.5 ANGLE CUT-OFF
64.0 6.4 2.8 9.3 6.1 0.0 0.0 2.8 4 0.0 0.0 73.8 0.0 -1.0 0.3 -18.1 1.1 0.0 0.0 0.0 25 58.6
65.0 1.0 ANGLE CUT-OFF
66.0 0.0 ANGLE CUT-OFF
67.0 0.3 ANGLE CUT-OFF
68.0 0.2 ANGLE CUT-OFF
69.0 0.2 ANGLE CUT-OFF
70.0 0.1 ANGLE CUT-OFF
71.0 39.2 DISTANCE CUT-OFF
72.0 62.9 DISTANCE CUT-OFF
73.0 80.0 DISTANCE CUT-OFF
74.0 84.2 DISTANCE CUT-OFF
75.0 0.1 ANGLE CUT-OFF
76.0 0.0 ANGLE CUT-OFF
77.0 0.3 ANGLE CUT-OFF
78.0 48.6 DISTANCE CUT-OFF
79.0 95.6 DISTANCE CUT-OFF
80.0 107.9 DISTANCE CUT-OFF
81.0 109.0 DISTANCE CUT-OFF
82.0 0.4 ANGLE CUT-OFF
83.0 0.3 ANGLE CUT-OFF
84.0 0.1 ANGLE CUT-OFF
85.0 39.2 DISTANCE CUT-OFF
86.0 0.1 ANGLE CUT-OFF
87.0 0.1 ANGLE CUT-OFF
88.0 0.1 ANGLE CUT-OFF
89.0 0.4 ANGLE CUT-OFF
90.0 0.1 ANGLE CUT-OFF

***** GLOBAL PARAMETERS *****

Angle cut-off COA = 1.0
Distance cut-off COD = 300.0
Reflection cut-off COR = 15.0
Calculation method: L10

***** CATEGORY INFORMATION *****

New Road
3
Existing Road
4
Overall
3 4

+++ File Loading Completed at 12:06:43

Errors: 0
Warnings: 0

MODEL SIZE: Segments: 152 Barriers: 428 Contours: 0 Receivers: 10

+++ Calculation Run 1 started at 12:06:55
Method: L10 Calculation.

1 N1
HEIGHT OF RECEIVER ABOVE DATUM= 11.7 HEIGHT ABOVE LOCAL GROUND LEVEL= 11.7

SEGMENT DIST ANGLE HT AV HT PER SPD SCR N MAJOR BARRIER BASIC ----- CORRECTIONS -----> SEG-
NUMBER ANGLE OF OF OF CENT CHNG ANGL ----- NOISE LOW SUR- GRAD ANGLE HARD SOFT BAR- RET REF MENT

VIEW C/WAY PROPRI SOFT NO. HT ATT LEVEL FLOW FACE IDENT VIEW GRND EXCE RIER CUT TION TOTAL
1.0 0.0 ANGLE CUT-OFF
2.0 0.0 ANGLE CUT-OFF
3.0 0.0 ANGLE CUT-OFF
4.0 0.0 ANGLE CUT-OFF
5.0 0.0 ANGLE CUT-OFF
6.0 0.0 ANGLE CUT-OFF
7.0 0.0 ANGLE CUT-OFF
8.0 0.0 ANGLE CUT-OFF
9.0 0.0 ANGLE CUT-OFF
10.0 0.0 ANGLE CUT-OFF
11.0 0.0 ANGLE CUT-OFF
12.0 0.0 ANGLE CUT-OFF
13.0 0.0 ANGLE CUT-OFF
14.0 0.0 ANGLE CUT-OFF
15.0 0.0 ANGLE CUT-OFF
16.0 0.0 ANGLE CUT-OFF
17.0 0.0 ANGLE CUT-OFF
18.0 0.0 ANGLE CUT-OFF
19.0 0.0 ANGLE CUT-OFF
20.0 0.0 ANGLE CUT-OFF

19.0 0.0 ANGLE CUT-OFF
20.0 0.0 ANGLE CUT-OFF
21.0 251 14.3 5.8 6.1 0.0 0.0 14.3 4 0.0 0.0 74.1 0.0 -10.00 -110.33 0.0 0.0 0.0 25 61.3
22.0 248 34.1 6.6 6.1 0.0 0.0 34.1 4 0.0 0.0 74.1 0.0 -10.00 -72.33 0.0 0.0 0.0 25 65.1
23.0 245 35.6 6.3 6.1 0.0 0.0 35.6 3 0.0 0.0 74.1 0.0 -10.00 -70.32 0.0 0.0 0.0 25 65.4
24.0 255 52.5 5.9 6.1 0.0 0.0 52.5 3 0.0 0.0 74.1 0.0 -10.00 -53.34 0.0 0.0 0.0 25 66.9
25.0 36.1 2.1 5.8 6.1 0.0 0.0 2.1 3 0.0 0.0 74.1 0.0 -10.00 -19.47 0.0 0.0 0.0 25 51.5
26.0 22.4 4.3 5.7 6.1 0.0 0.0 4.3 2 0.0 0.0 74.1 0.0 -10.00 -16.29 0.0 0.0 0.0 25 56.5
27.0 0.0 ANGLE CUT-OFF
28.0 255 3.1 5.3 6.1 0.0 0.0 3.1 456 6.4 -1.5 77.4 0.0 -10.00 -17.63 0.0 0.0 -0.6 0.0 25 57.3
29.0 25.0 1.3 5.4 6.1 0.0 0.0 1.3 443 6.3 -0.1 77.4 0.0 -10.01 -21.33 0.0 0.0 -0.1 0.0 25 54.2
30.0 0.8 ANGLE CUT-OFF
31.0 0.5 ANGLE CUT-OFF
32.0 0.7 ANGLE CUT-OFF
33.0 36.8 1.2 5.4 6.1 0.0 0.0 1.2 443 6.3 -0.1 77.4 0.0 -10.01 -21.94 0.0 -0.2 0.0 25 52.1
34.0 36.6 1.9 5.4 6.1 0.0 0.0 1.9 455 6.4 -0.6 77.5 0.0 -10.00 -19.84 0.0 0.0 -0.3 0.0 25 54.1
35.0 0.7 ANGLE CUT-OFF
36.0 51.8 1.1 5.4 6.1 0.0 0.0 1.1 2 0.0 0.0 77.3 0.0 -10.01 -22.33 0.0 0.0 0.0 25 50.5
37.0 50.8 1.3 5.4 6.1 0.0 0.0 1.3 2 0.0 0.0 77.3 0.0 -10.01 -21.33 0.0 0.0 0.0 25 51.5
38.0 36.4 3.2 5.6 6.1 0.0 0.0 3.2 3 0.0 0.0 77.3 0.0 -10.00 -17.63 0.0 0.0 0.0 25 56.5
39.0 35.1 1.4 5.6 6.1 0.0 0.0 1.4 3 0.0 0.0 74.4 0.0 -10.01 -21.04 0.0 0.0 0.0 25 50.4
40.0 28.1 1.5 5.7 6.1 0.0 0.0 1.5 3 0.0 0.0 74.4 0.0 -10.00 -20.93 0.0 0.0 0.0 25 51.2
41.0 27.7 1.9 5.8 6.1 0.0 0.0 1.9 3 0.0 0.0 74.4 0.0 -10.01 -19.83 0.0 0.0 0.0 25 52.5
42.0 30.4 2.5 5.8 6.1 0.0 0.0 2.5 3 0.0 0.0 74.4 0.0 -10.00 -18.54 0.0 0.0 0.0 25 53.3
43.0 36.8 5.1 0 0.0 0.0 51.0 3 0.0 0.0 74.4 0.0 -10.01 -5.54 0.0 0.0 0.0 25 65.7
44.0 37.4 2.5 6.3 6.1 0.0 0.0 2.5 3 0.0 0.0 74.4 0.0 -10.09 -8.84 0.0 0.0 0.0 25 63.2
45.0 34.0 19.0 6.6 6.1 0.0 0.0 19.0 3 0.0 0.0 74.4 0.0 -10.03 -9.84 0.0 0.0 0.0 25 61.9
46.0 33.8 13.5 6.8 6.1 0.0 0.0 13.5 4 0.0 0.0 74.4 0.0 -10.04 -11.24 0.0 0.0 0.0 25 60.7
47.0 49.2 DISTANCE CUT-OFF
48.0 8.4 8.7 7.0 6.1 0.0 0.0 8.7 4 0.0 0.0 74.0 0.0 -10.00 -13.23 0.0 0.0 0.0 25 62.6
49.0 34.1 30.5 7.0 6.1 0.0 0.0 30.5 4 0.0 0.0 74.0 0.0 -10.00 -7.74 0.0 0.0 0.0 25 63.3
50.0 4.0 4.9 7.0 6.1 0.0 0.0 4.9 4 0.0 0.0 74.0 0.0 -10.00 -15.62 0.0 0.0 0.0 25 61.9
51.0 42.0 13.9 7.0 6.1 0.0 0.0 13.9 4 0.0 0.0 74.0 0.0 -10.00 -11.15 0.0 0.0 0.0 25 59.1
52.0 79.3 19.6 7.0 6.1 0.0 0.0 19.6 4 0.0 0.0 74.0 0.0 -10.00 -9.67 0.0 0.0 0.0 25 58.0
53.0 34.2 10.6 7.0 6.1 0.0 0.0 10.6 4 0.0 0.0 74.0 0.0 -10.00 -12.94 0.0 0.0 0.0 25 58.7
54.0 50.4 5.3 11.0 6.1 0.0 0.0 5.3 484 77.7-300 73.6 0.0 -10.00 -15.33 0.0 0.0 -3.0 0.0 25 50.8
55.0 0.0 ANGLE CUT-OFF
56.0 0.0 ANGLE CUT-OFF
57.0 0.5 ANGLE CUT-OFF
58.0 41.8 5.6 7.8 6.1 0.0 0.0 5.6 484 77.7-300 73.6 0.0 -10.00 -15.15 0.0 -2.9 0.0 25 51.8
59.0 42.7 20.1 7.3 6.1 0.0 0.0 20.1 4 0.0 0.0 73.6 0.0 -10.00 -9.54 0.0 0.0 0.0 25 60.2
60.0 71.9 11.7 7.3 6.1 0.0 0.0 11.7 4 0.0 0.0 73.8 0.0 -10.10 -11.97 0.0 0.0 0.0 25 56.9
61.0 66.8 11.4 7.8 6.1 0.0 0.0 11.4 484 77.7-300 73.8 0.0 -10.04 -12.07 0.0 -1.2 0.0 25 55.3
62.0 0.0 ANGLE CUT-OFF
63.0 0.0 ANGLE CUT-OFF
64.0 41.8 1.7 9.3 6.1 0.0 0.0 1.7 484 77.7-300 73.8 0.0 -10.03 -20.15 0.0 -30.0 0.0 25 20.2
65.0 40.9 4.4 11.0 6.1 0.0 0.0 4.4 484 77.7-300 73.8 0.0 -10.02 -16.15 0.0 -10.0 0.0 25 53.2
66.0 0.1 ANGLE CUT-OFF
67.0 0.1 ANGLE CUT-OFF
68.0 0.1 ANGLE CUT-OFF
69.0 0.1 ANGLE CUT-OFF
70.0 0.1 ANGLE CUT-OFF
71.0 355. DISTANCE CUT-OFF
72.0 594. DISTANCE CUT-OFF
73.0 768. DISTANCE CUT-OFF
74.0 810. DISTANCE CUT-OFF
75.0 0.0 ANGLE CUT-OFF
76.0 0.0 ANGLE CUT-OFF
77.0 0.3 ANGLE CUT-OFF
78.0 449. DISTANCE CUT-OFF
79.0 928. DISTANCE CUT-OFF
80.0 1059. DISTANCE CUT-OFF
81.0 1086. DISTANCE CUT-OFF
82.0 0.3 ANGLE CUT-OFF
83.0 0.2 ANGLE CUT-OFF
84.0 0.1 ANGLE CUT-OFF
85.0 355. DISTANCE CUT-OFF
86.0 0.1 ANGLE CUT-OFF
87.0 0.0 ANGLE CUT-OFF
88.0 0.0 ANGLE CUT-OFF
89.0 0.2 ANGLE CUT-OFF

90.0 0.1 ANGLE CUT-OFF
91.0 0.1 ANGLE CUT-OFF
92.0 DISTANCE CUT-OFF
93.0 1029. DISTANCE CUT-OFF
94.0 485. DISTANCE CUT-OFF
95.0 0.1 ANGLE CUT-OFF
96.0 706. DISTANCE CUT-OFF
97.0 944. DISTANCE CUT-OFF
98.0 1121. DISTANCE CUT-OFF
99.0 923. DISTANCE CUT-OFF
100.0 503. DISTANCE CUT-OFF
101.0 0.0 ANGLE CUT-OFF
102.0 497. DISTANCE CUT-OFF
103.0 0.1 ANGLE CUT-OFF
104.0 0.0 ANGLE CUT-OFF
105.0 0.2 ANGLE CUT-OFF
106.0 0.1 ANGLE CUT-OFF
107.0 1111. DISTANCE CUT-OFF
108.0 1016. DISTANCE CUT-OFF
109.0 829. DISTANCE CUT-OFF
110.0 1127. DISTANCE CUT-OFF
111.0 1123. DISTANCE CUT-OFF
112.0 823. DISTANCE CUT-OFF
113.0 0.0 ANGLE CUT-OFF
114.0 575. DISTANCE CUT-OFF
115.0 1018. DISTANCE CUT-OFF
116.0 981. DISTANCE CUT-OFF
117.0 671. DISTANCE CUT-OFF
118.0 314. DISTANCE CUT-OFF
119.0 0.1 ANGLE CUT-OFF
120.0 0.0 ANGLE CUT-OFF
121.0 0.1 ANGLE CUT-OFF
122.0 0.1 ANGLE CUT-OFF
123.0 0.1 ANGLE CUT-OFF
124.0 0.3 ANGLE CUT-OFF
125.0 389. DISTANCE CUT-OFF
126.0 387. DISTANCE CUT-OFF
127.0 0.3 ANGLE CUT-OFF
128.0 0.1 ANGLE CUT-OFF
129.0 0.1 ANGLE CUT-OFF
130.0 0.1 ANGLE CUT-OFF
131.0 0.1 ANGLE CUT-OFF
132.0 0.1 ANGLE CUT-OFF
133.0 514. DISTANCE CUT-OFF
134.0 390. DISTANCE CUT-OFF
135.0 830. DISTANCE CUT-OFF
136.0 533. DISTANCE CUT-OFF
137.0 0.3 ANGLE CUT-OFF
138.0 770. DISTANCE CUT-OFF
139.0 813. DISTANCE CUT-OFF
140.0 350. DISTANCE CUT-OFF
141.0 817. DISTANCE CUT-OFF
142.0 810. DISTANCE CUT-OFF
143.0 652. DISTANCE CUT-OFF
144.0 374. DISTANCE CUT-OFF
145.0 0.4 ANGLE CUT-OFF
146.0 0.1 ANGLE CUT-OFF
147.0 0.0 ANGLE CUT-OFF
148.0 0.1 ANGLE CUT-OFF
149.0 792. DISTANCE CUT-OFF
150.0 793. DISTANCE CUT-OFF
151.0 821. DISTANCE CUT-OFF
152.0 831. DISTANCE CUT-OFF

17

*** CONTRIBUTION FROM New Road IS 75.4 DBA L10 (1-HOUR)

*** CONTRIBUTION FROM Existing Road IS 55.2 DBA L10 (1-HOUR)

*** CONTRIBUTION FROM Overall IS 75.4 DBA L10 (1-HOUR)

4 N4
HEIGHT OF RECEIVER ABOVE DATUM= 11.7 HEIGHT ABOVE LOCAL GROUND LEVEL= 11.7

SEGMENT DIST ANGLE HT AV HT PER SPD SCR N MAJOR BARRIER BASIC <-----> CORRECTIONS <-----> SEG-
NUMBER ANCE OF OF CENT CHNG ANGL ----- NOISE LOW SUR- GRAD ANGLE HARD SOFT BAR- RET REFL MENT
VIEW C/WAY PROPRI SORT NO. HT ATT LEVEL FLOW FACE INT VIEW GRND EXCE RIER CUT TION TOTAL
1.0 1077 2.6 5.6 6.1 0.0 0.0 2.6 2 0.0 0.0 75.6 0.0 -10.00 -18.49 0.0 0.0 0.0 25 49.5
2.0 1082 33.1 5.1 6.1 0.0 0.0 33.1 494 77.7-300 75.6 0.0 -10.00 -7.49 0.0 -8.0 0.0 25 52.5
3.0 0.0 ANGLE CUT-OFF
4.0 0.0 ANGLE CUT-OFF
5.0 0.0 ANGLE CUT-OFF
6.0 0.0 ANGLE CUT-OFF
7.0 0.0 ANGLE CUT-OFF
8.0 0.0 ANGLE CUT-OFF
9.0 0.0 ANGLE CUT-OFF
10.0 0.0 ANGLE CUT-OFF
11.0 0.0 ANGLE CUT-OFF
12.0 0.0 ANGLE CUT-OFF
13.0 0.0 ANGLE CUT-OFF
14.0 1205 11.4 4.8 6.1 0.0 0.0 11.4 494 77.7-300 74.6 0.0 -10.03 -12.09 0.0 -30.5 0.0 25 24.3
15.0 1202 7.4 5.1 6.1 0.0 0.0 7.4 498 64.4-300 74.6 0.0 -10.04 -13.99 0.0 -30.3 0.0 25 22.7
16.0 1203 11.7 5.4 6.1 0.0 0.0 11.7 498 64.4-300 74.6 0.0 -10.04 -11.99 0.0 -12.6 0.0 25 42.4
17.0 1200 3.0 5.6 6.1 0.0 0.0 3.0 453 6.4-5.3 74.6 0.0 -10.00 -17.89 0.0 -3.5 0.0 25 45.2
18.0 0.9 ANGLE CUT-OFF
19.0 0.0 ANGLE CUT-OFF
20.0 0.0 ANGLE CUT-OFF
21.0 727 4.1 6.8 6.1 0.0 0.0 4.1 482 77.7-300 74.1 0.0 -10.00 -16.47 0.0 -0.6 0.0 25 51.1
22.0 714 7.5 6.6 6.1 0.0 0.0 7.5 3 0.0 0.0 74.1 0.0 -10.00 -13.87 0.0 0.0 0.0 25 54.3
23.0 633 8.2 6.3 6.1 0.0 0.0 8.2 3 0.0 0.0 74.1 0.0 -10.00 -13.47 0.0 0.0 0.0 25 55.2
24.0 589 75.4 5.9 6.1 0.0 0.0 75.4 2 0.0 0.0 74.1 0.0 -10.00 -3.87 0.0 0.0 0.0 25 65.1
25.0 620 8.5 5.8 6.1 0.0 0.0 8.5 2 0.0 0.0 74.1 0.0 -10.00 -13.36 0.0 0.0 0.0 25 55.4
26.0 559 22.5 5.7 6.1 0.0 0.0 22.5 2 0.0 0.0 74.1 0.0 -10.00 -9.04 0.0 0.0 0.0 25 60.2
27.0 591 3.5 5.6 6.1 0.0 0.0 3.5 455 6.4-1.1 77.4 0.0 -10.01 -17.16 0.0 -0.9 0.0 25 54.2
28.0 590 11.8 5.3 6.1 0.0 0.0 11.8 498 64.4-300 77.4 0.0 -10.00 -11.84 0.0 -6.7 0.0 25 53.7
29.0 586 4.2 5.4 6.1 0.0 0.0 4.2 498 64.4-300 77.4 0.0 -10.01 -16.47 0.0 -30.5 0.0 25 25.4
30.0 585 2.3 5.4 6.1 0.0 0.0 2.3 498 64.4-300 77.4 0.0 -10.00 -18.96 0.0 -30.6 0.0 25 22.8
31.0 595 1.2 5.4 6.1 0.0 0.0 1.2 498 64.4-300 77.4 0.0 -10.01 -21.76 0.0 -30.8 0.0 25 19.8
32.0 741 1.5 5.4 6.1 0.0 0.0 1.5 498 64.4-300 77.4 0.0 -10.00 -20.87 0.0 -30.7 0.0 25 19.8
33.0 703 2.7 5.4 6.1 0.0 0.0 2.7 498 64.4-300 77.4 0.0 -10.01 -18.27 0.0 -30.4 0.0 25 23.0
34.0 702 5.0 5.4 6.1 0.0 0.0 5.0 498 64.4-300 77.5 0.0 -10.00 -15.67 0.0 -30.3 0.0 25 25.7
35.0 684 1.9 5.3 6.1 0.0 0.0 1.9 506 64.4-300 77.3 0.0 -10.01 -19.73 0.0 -30.1 0.0 25 21.8
36.0 815 2.6 5.4 6.1 0.0 0.0 2.6 506 64.4-300 77.3 0.0 -10.01 -18.48 0.0 -30.1 0.0 25 22.4
37.0 804 3.4 5.4 6.1 0.0 0.0 3.4 507 64.4-300 77.3 0.0 -10.01 -17.27 0.0 -3.8 0.0 25 50.0
38.0 700 10.2 5.45 6.1 0.0 0.0 10.2 455 6.4-2.1 77.3 0.0 -10.00 -12.57 0.0 0.0 0.0 25 58.4
39.0 692 5.1 5.6 6.1 0.0 0.0 5.1 2 0.0 0.0 74.4 0.0 -10.01 -15.73 0.0 0.0 0.0 25 53.2
40.0 655 6.2 5.7 6.1 0.0 0.0 6.2 2 0.0 0.0 74.4 0.0 -10.00 -14.67 0.0 0.0 0.0 25 54.2
41.0 657 8.5 5.8 6.1 0.0 0.0 8.5 2 0.0 0.0 74.4 0.0 -10.01 -13.37 0.0 0.0 0.0 25 55.6
42.0 675 10.7 5.8 6.1 0.0 0.0 10.7 2 0.0 0.0 74.4 0.0 -10.00 -12.27 0.0 0.0 0.0 25 56.5
43.0 700 64.8 5.9 6.1 0.0 0.0 64.8 3 0.0 0.0 74.4 0.0 -10.01 -4.47 0.0 0.0 0.0 25 64.2
44.0 670 6.9 6.3 6.1 0.0 0.0 6.9 3 0.0 0.0 74.4 0.0 -10.01 -14.17 0.0 0.0 0.0 25 55.5
45.0 40.6 3.6 6.6 6.1 0.0 0.0 3.6 3 0.0 0.0 74.4 0.0 -10.03 -17.05 0.0 0.0 0.0 25 54.0
46.0 399 3.1 6.8 6.1 0.0 0.0 3.1 3 0.0 0.0 74.4 0.0 -10.04 -17.65 0.0 0.0 0.0 25 53.6
47.0 419. DISTANCE CUT-OFF
48.0 503 4.8 7.0 6.1 0.0 0.0 4.8 480 77.7-300 74.0 0.0 -10.00 -15.86 0.0 -30.2 0.0 25 23.5
49.0 1137 11.2 7.0 6.1 0.0 0.0 11.2 482 77.7-300 74.0 0.0 -10.00 -12.19 0.0 -2.2 0.0 25 51.8
50.0 513 4.5 7.0 6.1 0.0 0.0 4.5 3 0.0 0.0 74.0 0.0 -10.00 -16.06 0.0 0.0 0.0 25 53.4
51.0 699 5.5 7.0 6.1 0.0 0.0 5.5 3 0.0 0.0 74.0 0.0 -10.00 -15.17 0.0 0.0 0.0 25 53.0
52.0 1589 10.5 7.0 6.1 0.0 0.0 10.5 482 77.7-300 74.0 0.0 -10.00 -12.41 0.0 -2.7 0.0 25 49.6
53.0 665 4.5 7.0 6.1 0.0 0.0 4.5 480 77.7-300 74.0 0.0 -10.00 -16.07 0.0 -30.2 0.0 25 22.1

3 N3
REPEAT NO. 0

CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL
3.0 75.4 4.0 55.2

54.0 172 1.5 11.0 6.1 0.0 0.0 1.5 474 77.7-300 73.6 0.0 -10.00 -20.81 0.0 -30.1 0.0 25 22.3
55.0 188 2.8 9.3 6.1 0.0 0.0 2.8 474 77.7-300 73.6 0.0 -10.00 -18.02 0.0 -30.3 0.0 25 24.5
56.0 0.5 ANGLE CUT-OFF
57.0 628 3.2 8.1 6.1 0.0 0.0 3.2 474 77.7-300 73.6 0.0 -10.00 -17.56 0.0 -30.4 0.0 25 20.3
58.0 1197 14.3 7.8 6.1 0.0 0.0 14.3 474 77.7-300 73.6 0.0 -10.00 -11.09 0.0 -30.3 0.0 25 24.2
59.0 1209 9.1 7.3 6.1 0.0 0.0 9.1 474 77.7-300 73.6 0.0 -10.00 -13.09 0.0 -30.2 0.0 25 22.3
60.0 1497 5.8 7.3 6.1 0.0 0.0 5.8 474 77.7-300 73.8 0.0 -10.10 -14.91 0.0 -30.2 0.0 25 20.6
61.0 146.5 12.8 7.8 6.1 0.0 0.0 12.8 474 77.7-300 73.8 0.0 -10.04 -11.51 0.0 -30.2 0.0 25 23.5
62.0 800 3.2 8.1 6.1 0.0 0.0 3.2 474 77.7-300 73.8 0.0 -10.04 -17.47 0.0 -30.3 0.0 25 20.1
63.0 0.4 ANGLE CUT-OFF
64.0 8.7 1.6 9.3 6.1 0.0 0.0 1.6 474 77.7-300 73.8 0.0 -10.03 -20.62 0.0 -30.1 0.0 25 25.1
65.0 0.8 ANGLE CUT-OFF
66.0 0.0 ANGLE CUT-OFF
67.0 0.3 ANGLE CUT-OFF
68.0 0.3 ANGLE CUT-OFF
69.0 0.2 ANGLE CUT-OFF
70.0 0.1 ANGLE CUT-OFF
71.0 364. DISTANCE CUT-OFF
72.0 552. DISTANCE CUT-OFF
73.0 740. DISTANCE CUT-OFF
74.0 778. DISTANCE CUT-OFF
75.0 0.1 ANGLE CUT-OFF
76.0 0.0 ANGLE CUT-OFF
77.0 0.4 ANGLE CUT-OFF
78.0 451. DISTANCE CUT-OFF
79.0 885. DISTANCE CUT-OFF
80.0 999. DISTANCE CUT-OFF
81.0 1009. DISTANCE CUT-OFF
82.0 0.4 ANGLE CUT-OFF
83.0 0.3 ANGLE CUT-OFF
84.0 0.1 ANGLE CUT-OFF
85.0 370. DISTANCE CUT-OFF
86.0 0.1 ANGLE CUT-OFF
87.0 0.1 ANGLE CUT-OFF
88.0 0.1 ANGLE CUT-OFF
89.0 0.4 ANGLE CUT-OFF
90.0 0.1 ANGLE CUT-OFF
91.0 0.1 ANGLE CUT-OFF
92.0 905. DISTANCE CUT-OFF
93.0 978. DISTANCE CUT-OFF
94.0 488. DISTANCE CUT-OFF
95.0 0.1 ANGLE CUT-OFF
96.0 633. DISTANCE CUT-OFF
97.0 865. DISTANCE CUT-OFF
98.0 1050. DISTANCE CUT-OFF
99.0 885. DISTANCE CUT-OFF
100.0 504. DISTANCE CUT-OFF
101.0 0.0 ANGLE CUT-OFF
102.0 432. DISTANCE CUT-OFF
103.0 0.1 ANGLE CUT-OFF
104.0 0.1 ANGLE CUT-OFF
105.0 0.5 ANGLE CUT-OFF
106.0 0.2 ANGLE CUT-OFF
107.0 1036. DISTANCE CUT-OFF
108.0 937. DISTANCE CUT-OFF
109.0 751. DISTANCE CUT-OFF
110.0 1061. DISTANCE CUT-OFF
111.0 1059. DISTANCE CUT-OFF
112.0 799. DISTANCE CUT-OFF
113.0 0.1 ANGLE CUT-OFF
114.0 506. DISTANCE CUT-OFF
115.0 939. DISTANCE CUT-OFF
116.0 901. DISTANCE CUT-OFF
117.0 598. DISTANCE CUT-OFF
118.0 0.2 ANGLE CUT-OFF
119.0 0.1 ANGLE CUT-OFF
120.0 0.2 ANGLE CUT-OFF
121.0 0.3 ANGLE CUT-OFF
122.0 0.1 ANGLE CUT-OFF
123.0 0.2 ANGLE CUT-OFF
124.0 0.4 ANGLE CUT-OFF

125.0 396. DISTANCE CUT-OFF
126.0 395. DISTANCE CUT-OFF
127.0 0.1 ANGLE CUT-OFF
128.0 0.2 ANGLE CUT-OFF
129.0 0.1 ANGLE CUT-OFF
130.0 0.2 ANGLE CUT-OFF
131.0 0.2 ANGLE CUT-OFF
132.0 0.2 ANGLE CUT-OFF
133.0 496. DISTANCE CUT-OFF
134.0 325. DISTANCE CUT-OFF
135.0 760. DISTANCE CUT-OFF
136.0 517. DISTANCE CUT-OFF
137.0 0.3 ANGLE CUT-OFF
138.0 692. DISTANCE CUT-OFF
139.0 741. DISTANCE CUT-OFF
140.0 274.3 9.8 5.2 6.1 0.0 0.0 9.8 506 644-30.0 68.2 0.0 -1.0 0.0 -12.7 -13.1 0.0 -11.2 0.0 2.5 32.7
141.0 748. DISTANCE CUT-OFF
142.0 737. DISTANCE CUT-OFF
143.0 573. DISTANCE CUT-OFF
144.0 305. DISTANCE CUT-OFF
145.0 0.9 ANGLE CUT-OFF
146.0 0.2 ANGLE CUT-OFF
147.0 0.2 ANGLE CUT-OFF
148.0 0.3 ANGLE CUT-OFF
149.0 762. DISTANCE CUT-OFF
150.0 763. DISTANCE CUT-OFF
151.0 789. DISTANCE CUT-OFF
152.0 798. DISTANCE CUT-OFF

4 N4

REPEAT NO. 0

CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL
3.0 70.9 4.0 22.3

4 N4

*** CONTRIBUTION FROM New Road IS 70.9 DBA L10 (1-HOUR)

*** CONTRIBUTION FROM Existing Road IS 22.3 DBA L10 (1-HOUR)

*** CONTRIBUTION FROM Overall IS 70.9 DBA L10 (1-HOUR)

5 N5

HEIGHT OF RECEIVER ABOVE DATUM= 11.2 HEIGHT ABOVE LOCAL GROUND LEVEL= 11.2

SEGMENT DIST ANGLE HT AV HT PER SPD SCR N MAJOR BARRIER BASIC CORRECTIONS SEG-

NUMBER ANGE OF OF CENT CHNG ANGL NOISE LOW SUR- GRAD ANGLE HARD SOFT BAR- RET REFL MENT

VIEW C/WAY PROPN SOFT NO. HT ATT LEVEL FLOW FACE IENT VIEW GRND EXCE RIER CUT TION TOTAL

1.0 13.4 1.2 5.8 0.0 0.0 1.2 6 0.0 0.0 75.6 0.0 -1.0 0.0 -21.9 -1.2 0.0 0.0 0.0 2.5 54.0
2.0 13.9 118.0 5.1 5.8 0.0 0.0 118.0 6 0.0 0.0 75.6 0.0 -1.0 0.0 -1.8 -1.3 0.0 0.0 0.0 2.5 74.0
3.0 13.8 9.6 4.6 5.8 0.0 0.0 9.6 6 0.0 0.0 75.6 0.0 -1.0 0.0 -2.7 -1.3 0.0 0.0 0.0 2.5 63.1
4.0 13.9 31.2 4.4 5.8 0.0 0.0 31.2 5 0.0 0.0 75.6 0.0 -1.0 0.0 -1.7 -1.4 0.0 0.0 0.0 2.5 68.1
5.0 14.0 3.1 4.3 5.8 0.0 0.0 3.1 5 0.0 0.0 75.6 0.0 -1.0 0.0 -1.7 -1.4 0.0 0.0 0.0 2.5 58.0
6.0 0.5 ANGLE CUT-OFF
7.0 0.4 ANGLE CUT-OFF
8.0 30.0 5.9 4.3 5.8 0.0 0.0 5.9 461 5.2-2.6 74.6 0.0 -1.0 0.0 -14.9 -4.0 0.0 -2.6 0.0 2.5 54.6
9.0 27.6 3.0 4.4 5.8 0.0 0.0 3.0 461 5.2-2.5 74.6 0.0 -1.0 0.0 -17.8 -3.7 0.0 -2.7 0.0 2.5 51.9
10.0 27.2 3.9 4.4 5.8 0.0 0.0 3.9 462 5.2-2.4 74.6 0.0 -1.0 0.0 -16.7 -3.7 0.0 -2.8 0.0 2.5 53.1
11.0 23.7 12.7 4.4 5.8 0.0 0.0 12.7 463 5.3-2.1 74.6 0.0 -1.0 0.1 -11.5 -3.2 0.0 2.3 0.0 2.5 59.2
12.0 26.0 20.8 4.5 5.8 0.0 0.0 20.8 465 5.3-2.3 74.6 0.0 -1.0 0.0 -9.4 -3.5 0.0 -0.3 0.0 2.5 62.9
13.0 26.4 9.0 4.6 5.8 0.0 0.0 9.0 6 0.0 0.0 74.6 0.0 -1.0 0.5 -13.0 -3.5 0.0 0.0 0.0 2.5 60.1
14.0 26.2 65.1 4.8 5.8 0.0 0.0 65.1 452 5.6-2.3 74.6 0.0 -1.0 0.3 -4.4 -3.5 0.0 -2.4 0.0 2.5 66.1
15.0 25.9 15.4 5.1 5.8 0.0 0.0 15.4 452 5.8-2.5 74.6 0.0 -1.0 0.4 -10.7 -3.5 0.0 -2.7 0.0 2.5 59.6

21

87.0 0.1 ANGLE CUT-OFF
88.0 0.2 ANGLE CUT-OFF
89.0 0.5 ANGLE CUT-OFF
90.0 0.2 ANGLE CUT-OFF
91.0 0.1 ANGLE CUT-OFF
92.0 813. DISTANCE CUT-OFF
93.0 899. DISTANCE CUT-OFF
94.0 465. DISTANCE CUT-OFF
95.0 0.1 ANGLE CUT-OFF
96.0 562. DISTANCE CUT-OFF
97.0 777. DISTANCE CUT-OFF
98.0 956. DISTANCE CUT-OFF
99.0 818. DISTANCE CUT-OFF
100.0 477. DISTANCE CUT-OFF
101.0 0.0 ANGLE CUT-OFF
102.0 374. DISTANCE CUT-OFF
103.0 0.1 ANGLE CUT-OFF
104.0 0.0 ANGLE CUT-OFF
105.0 0.7 ANGLE CUT-OFF
106.0 0.3 ANGLE CUT-OFF
107.0 940. DISTANCE CUT-OFF
108.0 844. DISTANCE CUT-OFF
109.0 670. DISTANCE CUT-OFF
110.0 971. DISTANCE CUT-OFF
111.0 969. DISTANCE CUT-OFF
112.0 745. DISTANCE CUT-OFF
113.0 0.1 ANGLE CUT-OFF
114.0 440. DISTANCE CUT-OFF
115.0 845. DISTANCE CUT-OFF
116.0 809. DISTANCE CUT-OFF
117.0 526. DISTANCE CUT-OFF
118.0 0.2 ANGLE CUT-OFF
119.0 0.0 ANGLE CUT-OFF
120.0 0.3 ANGLE CUT-OFF
121.0 0.4 ANGLE CUT-OFF
122.0 0.1 ANGLE CUT-OFF
123.0 0.2 ANGLE CUT-OFF
124.0 0.5 ANGLE CUT-OFF
125.0 378. DISTANCE CUT-OFF
126.0 376. DISTANCE CUT-OFF
127.0 0.5 ANGLE CUT-OFF
128.0 0.3 ANGLE CUT-OFF
129.0 0.2 ANGLE CUT-OFF
130.0 0.4 ANGLE CUT-OFF
131.0 0.2 ANGLE CUT-OFF
132.0 0.3 ANGLE CUT-OFF
133.0 449. DISTANCE CUT-OFF
134.0 0.7 ANGLE CUT-OFF
135.0 667. DISTANCE CUT-OFF
136.0 470. DISTANCE CUT-OFF
137.0 0.3 ANGLE CUT-OFF
138.0 597. DISTANCE CUT-OFF
139.0 646. DISTANCE CUT-OFF
140.0 180.1 12.1 5.2 5.8 0.0 0.0 12.1 510 54.8-30.0 68.2 0.0 -1.0 0.0 -11.7 -11.3 0.0 -30.4 0.0 2.5 16.3
141.0 655. DISTANCE CUT-OFF
142.0 642. DISTANCE CUT-OFF
143.0 485. DISTANCE CUT-OFF
144.0 0.5 ANGLE CUT-OFF
145.0 174.8 1.2 5.4 5.8 0.0 0.0 1.2 728 43.3-30.1 68.5 0.0 -1.0 0.0 -21.6 -11.2 0.0 -32.0 0.0 2.5 5.2
146.0 0.3 ANGLE CUT-OFF
147.0 0.3 ANGLE CUT-OFF
148.0 0.4 ANGLE CUT-OFF
149.0 703. DISTANCE CUT-OFF
150.0 704. DISTANCE CUT-OFF
151.0 727. DISTANCE CUT-OFF
152.0 735. DISTANCE CUT-OFF

5 N5

REPEAT NO. 0

23

16.0 25.8 14.1 5.4 5.8 0.0 0.0 14.1 452 6.0-2.3 74.6 0.0 -1.0 0.4 -11.0 -3.5 0.0 -2.6 0.0 2.5 59.4
17.0 25.7 2.4 5.6 5.8 0.0 0.0 2.4 452 6.3-2.3 74.6 0.0 -1.0 0.0 -18.7 -3.4 0.0 -2.5 0.0 2.5 51.5
18.0 0.5 ANGLE CUT-OFF
19.0 0.5 ANGLE CUT-OFF
20.0 0.8 ANGLE CUT-OFF
21.0 0.0 ANGLE CUT-OFF
22.0 0.0 ANGLE CUT-OFF
23.0 0.0 ANGLE CUT-OFF
24.0 0.0 ANGLE CUT-OFF
25.0 0.0 ANGLE CUT-OFF
26.0 69.2 23.1 5.7 5.8 0.0 0.0 23.1 503 64.4-30.0 74.1 0.0 -1.0 0.0 -8.9 -7.3 0.0 -3.8 0.0 2.5 55.6
27.0 72.4 12.4 5.6 5.8 0.0 0.0 12.4 455 6.4-4.6 77.4 0.0 -1.0 0.0 -11.6 -7.5 0.0 -2.9 0.0 2.5 56.9
28.0 72.4 38.0 5.3 5.8 0.0 0.0 38.0 510 54.8-30.0 77.4 0.0 -1.0 0.0 -6.8 -7.5 0.0 -3.3 0.0 2.5 61.3
29.0 72.1 9.3 5.4 5.8 0.0 0.0 9.3 510 54.8-30.0 77.4 0.0 -1.0 0.1 -12.9 -7.5 0.0 -30.4 0.0 2.5 28.2
30.0 72.0 4.2 5.4 5.8 0.0 0.0 4.2 510 54.8-30.0 77.4 0.0 -1.0 0.0 -16.3 -7.5 0.0 -31.0 0.0 2.5 24.1
31.0 72.9 2.0 5.4 5.8 0.0 0.0 2.0 510 54.8-30.0 77.4 0.0 -1.0 0.1 -19.5 -7.5 0.0 -31.2 0.0 2.5 20.8
32.0 87.0 2.4 5.4 5.8 0.0 0.0 2.4 510 54.8-30.0 77.4 0.0 -1.0 0.1 -18.8 -8.3 0.0 -30.9 0.0 2.5 20.9
33.0 83.8 4.8 5.4 5.8 0.0 0.0 4.8 510 54.8-30.0 77.4 0.0 -1.0 0.1 -15.7 -8.1 0.0 -30.8 0.0 2.5 24.4
34.0 83.7 10.5 5.4 5.8 0.0 0.0 10.5 510 54.8-30.0 77.5 0.0 -1.0 0.0 -12.3 -8.1 0.0 -30.3 0.0 2.5 28.3
35.0 82.5 4.8 5.3 5.8 0.0 0.0 4.8 510 54.8-30.0 77.3 0.0 -1.0 0.1 -15.7 -8.0 0.0 -30.3 0.0 2.5 24.9
36.0 90.1 6.4 5.4 5.8 0.0 0.0 6.4 510 54.8-30.0 77.3 0.0 -1.0 0.1 -14.5 -8.4 0.0 -30.2 0.0 2.5 25.8
37.0 88.8 8.9 5.4 5.8 0.0 0.0 8.9 510 54.8-30.0 77.3 0.0 -1.0 0.1 -13.0 -8.4 0.0 -3.6 0.0 2.5 53.9
38.0 83.4 29.4 5.6 5.8 0.0 0.0 29.4 454 6.4-2.8 77.3 0.0 -1.0 0.0 -7.9 -8.1 0.0 -1.0 0.0 2.5 61.8
39.0 83.4 12.7 5.6 5.8 0.0 0.0 12.7 503 64.4-30.0 74.4 0.0 -1.0 0.1 -11.5 -8.1 0.0 -2.6 0.0 2.5 53.8
40.0 83.9 7.7 5.7 5.8 0.0 0.0 7.7 503 64.4-30.0 74.4 0.0 -1.0 0.0 -13.7 -8.1 0.0 -30.8 0.0 2.5 23.3
41.0 0.0 ANGLE CUT-OFF
42.0 0.0 ANGLE CUT-OFF
43.0 0.0 ANGLE CUT-OFF
44.0 0.0 ANGLE CUT-OFF
45.0 0.6 ANGLE CUT-OFF
46.0 0.6 ANGLE CUT-OFF
47.0 324. DISTANCE CUT-OFF
48.0 0.0 ANGLE CUT-OFF
49.0 0.0 ANGLE CUT-OFF
50.0 0.0 ANGLE CUT-OFF
51.0 0.0 ANGLE CUT-OFF
52.0 0.0 ANGLE CUT-OFF
53.0 0.0 ANGLE CUT-OFF
54.0 0.4 ANGLE CUT-OFF
55.0 0.7 ANGLE CUT-OFF
56.0 0.7 ANGLE CUT-OFF
57.0 0.0 ANGLE CUT-OFF
58.0 0.0 ANGLE CUT-OFF
59.0 0.0 ANGLE CUT-OFF
60.0 0.0 ANGLE CUT-OFF
61.0 0.0 ANGLE CUT-OFF
62.0 0.0 ANGLE CUT-OFF
63.0 0.5 ANGLE CUT-OFF
64.0 0.0 ANGLE CUT-OFF
65.0 0.1 ANGLE CUT-OFF
66.0 0.0 ANGLE CUT-OFF
67.0 0.5 ANGLE CUT-OFF
68.0 0.4 ANGLE CUT-OFF
69.0 0.3 ANGLE CUT-OFF
70.0 0.2 ANGLE CUT-OFF

47.0 324. DISTANCE CUT-OFF

48.0 0.0 ANGLE CUT-OFF

49.0 0.0 ANGLE CUT-OFF

50.0 0.0 ANGLE CUT-OFF

51.0 0.0 ANGLE CUT-OFF

52.0 0.0 ANGLE CUT-OFF

53.0 0.0 ANGLE CUT-OFF

54.0 0.4 ANGLE CUT-OFF

55.0 0.7 ANGLE CUT-OFF

56.0 0.7 ANGLE CUT-OFF

57.0 0.0 ANGLE CUT-OFF

58.0 0.0 ANGLE CUT-OFF

59.0 0.0 ANGLE CUT-OFF

60.0 0.0 ANGLE CUT-OFF

61.0 0.0 ANGLE CUT-OFF

62.0 0.0 ANGLE CUT-OFF

63.0 0.5 ANGLE CUT-OFF

64.0 0.0 ANGLE CUT-OFF

65.0 0.1 ANGLE CUT-OFF

66.0 0.0 ANGLE CUT-OFF

67.0 0.5 ANGLE CUT-OFF

68.0 0.4 ANGLE CUT-OFF

69.0 0.3 ANGLE CUT-OFF

70.0 0.2 ANGLE CUT-OFF

71.0 347. DISTANCE CUT-OFF

72.0 542. DISTANCE CUT-OFF

73.0 683. DISTANCE CUT-OFF

74.0 717. DISTANCE CUT-OFF

75.0 0.1 ANGLE CUT-OFF

76.0 0.0 ANGLE CUT-OFF

77.0 0.4 ANGLE CUT-OFF

78.0 426. DISTANCE CUT-OFF

79.0 813. DISTANCE CUT-OFF

80.0 912. DISTANCE CUT-OFF

81.0 914. DISTANCE CUT-OFF

82.0 0.5 ANGLE CUT-OFF

83.0 0.4 ANGLE CUT-OFF

84.0 0.2 ANGLE CUT-OFF

85.0 360. DISTANCE CUT-OFF

86.0 0.1 ANGLE CUT-OFF

87.0 0.1 ANGLE CUT-OFF

88.0 0.2 ANGLE CUT-OFF

89.0 0.5 ANGLE CUT-OFF

90.0 0.2 ANGLE CUT-OFF

91.0 0.1 ANGLE CUT-OFF

92.0 813. DISTANCE CUT-OFF

93.0 899. DISTANCE CUT-OFF

94.0 465. DISTANCE CUT-OFF

95.0 0.1 ANGLE CUT-OFF

96.0 562. DISTANCE CUT-OFF

97.0 777. DISTANCE CUT-OFF

98.0 956. DISTANCE CUT-OFF

99.0 818. DISTANCE CUT-OFF

100.0 477. DISTANCE CUT-OFF

101.0 0.0 ANGLE CUT-OFF

102.0 374. DISTANCE CUT-OFF

103.0 0.1 ANGLE CUT-OFF

104.0 0.0 ANGLE CUT-OFF

105.0 0.7 ANGLE CUT-OFF

106.0 0.3 ANGLE CUT-OFF

107.0 940. DISTANCE CUT-OFF

108.0 844. DISTANCE CUT-OFF

109.0 670. DISTANCE CUT-OFF

110.0 971. DISTANCE CUT-OFF

111.0 969. DISTANCE CUT-OFF

112.0 745. DISTANCE CUT-OFF

113.0 0.1 ANGLE CUT-OFF

114.0 440. DISTANCE CUT-OFF

115.0 845. DISTANCE CUT-OFF

116.0 809. DISTANCE CUT-OFF

117.0 526. DISTANCE CUT-OFF

118.0 0.2 ANGLE CUT-OFF

119.0 0.0 ANGLE CUT-OFF

120.0 0.3 ANGLE CUT-OFF

121.0 0.4 ANGLE CUT-OFF

122.0 0.1 ANGLE CUT-OFF

123.0 0.2 ANGLE CUT-OFF

124.0 0.5 ANGLE CUT-OFF

125.0 378. DISTANCE CUT-OFF

126.0 376. DISTANCE CUT-OFF

127.0 0.5 ANGLE CUT-OFF

128.0 0.3 ANGLE CUT-OFF

129.0 0.2 ANGLE CUT-OFF

130.0 0.4 ANGLE CUT-OFF

131.0 0.2 ANGLE CUT-OFF

132.0 0.3 ANGLE CUT-OFF

133.0 449. DISTANCE CUT-OFF

134.0 0.7 ANGLE CUT-OFF

135.0 667. DISTANCE CUT-OFF

136.0 470. DISTANCE CUT-OFF

137.0 0.3 ANGLE CUT-OFF

138.0 597. DISTANCE CUT-OFF

139.0 646. DISTANCE CUT-OFF

140.0 180.1 12.1 5.2 5.8 0.0 0.0 12.1 510 54.8-30.0 74.1 0.0 -1.0 0.0 -7.6 -6.1 0.0 -1.0 0.0 2.5 60.9
141.0 655. DISTANCE CUT-OFF
142.0 642. DISTANCE CUT-OFF
143.0 485. DISTANCE CUT-OFF
144.0 0.5 ANGLE CUT-OFF
145.0 174.8 1.2 5.4 5.8 0.0 0.0 1.2 728 43.3-30.1 68.5 0.0 -1.0 0.0 -21.6 -11.2 0.0 -32.0 0.0 2.5 5.2
146.0 0.3 ANGLE CUT-OFF
147.0 0.3 ANGLE CUT-OFF
148.0 0.4 ANGLE CUT-OFF
149.0 703. DISTANCE CUT-OFF
150.0 704. DISTANCE CUT-OFF
151.0 727. DISTANCE CUT-OFF
152.0 735. DISTANCE CUT-OFF

47.0 322. DISTANCE CUT-OFF

48.0 0.0 ANGLE CUT-OFF

49.0 0.0 ANGLE CUT-OFF

50.0 0.0 ANGLE CUT-OFF

51.0 0.0 ANGLE CUT-OFF

52.0 0.0 ANGLE CUT-OFF

53.0 0.0 ANGLE CUT-OFF

54.0 0.2 ANGLE CUT-OFF

55.0 0.2 ANGLE CUT-OFF

56.0 0.2 ANGLE CUT-OFF

57.0 0.2 ANGLE CUT-OFF

58.0 0.2 ANGLE CUT-OFF

59.0 0.2 ANGLE CUT-OFF

60.0 0.2 ANGLE CUT-OFF

61.0 0.2 ANGLE CUT-OFF

62.0 0.2 ANGLE CUT-OFF

63.0 0.2 ANGLE CUT-OFF

64.0 0.2 ANGLE CUT-OFF

65.0 0.2 ANGLE CUT-OFF

66.0 0.2 ANGLE CUT-OFF

67.0 0.2 ANGLE CUT-OFF

68.0 0.2 ANGLE CUT-OFF

69.0 0.2 ANGLE CUT-OFF

70.0 0.2 ANGLE CUT-OFF

71.0 347. DISTANCE CUT-OFF

72.0 542. DISTANCE CUT-OFF

73.0 683. DISTANCE CUT-OFF

74.0 717. DISTANCE CUT-OFF

75.0 0.1 ANGLE CUT-OFF

76.0 0.0 ANGLE CUT-OFF

77.0 0.4 ANGLE CUT-OFF

51.0 0.0 ANGLE CUT-OFF
52.0 0.0 ANGLE CUT-OFF
53.0 0.0 ANGLE CUT-OFF
54.0 0.0 ANGLE CUT-OFF
55.0 0.0 ANGLE CUT-OFF
56.0 0.4 ANGLE CUT-OFF
57.0 0.0 ANGLE CUT-OFF
58.0 0.0 ANGLE CUT-OFF
59.0 0.0 ANGLE CUT-OFF
60.0 0.0 ANGLE CUT-OFF
61.0 0.0 ANGLE CUT-OFF
62.0 0.0 ANGLE CUT-OFF
63.0 0.3 ANGLE CUT-OFF
64.0 0.0 ANGLE CUT-OFF
65.0 0.8 ANGLE CUT-OFF
66.0 0.0 ANGLE CUT-OFF
67.0 0.4 ANGLE CUT-OFF
68.0 0.3 ANGLE CUT-OFF
69.0 0.2 ANGLE CUT-OFF
70.0 0.2 ANGLE CUT-OFF
71.0 329. DISTANCE CUT-OFF
72.0 526. DISTANCE CUT-OFF
73.0 669. DISTANCE CUT-OFF
74.0 704. DISTANCE CUT-OFF
75.0 0.1 ANGLE CUT-OFF
76.0 0.0 ANGLE CUT-OFF
77.0 0.4 ANGLE CUT-OFF
78.0 409. DISTANCE CUT-OFF
79.0 801. DISTANCE CUT-OFF
80.0 905. DISTANCE CUT-OFF
81.0 915. DISTANCE CUT-OFF
82.0 0.5 ANGLE CUT-OFF
83.0 0.4 ANGLE CUT-OFF
84.0 0.1 ANGLE CUT-OFF
85.0 343. DISTANCE CUT-OFF
86.0 0.1 ANGLE CUT-OFF
87.0 0.1 ANGLE CUT-OFF
88.0 0.2 ANGLE CUT-OFF
89.0 0.4 ANGLE CUT-OFF
90.0 0.2 ANGLE CUT-OFF
91.0 0.1 ANGLE CUT-OFF
92.0 818. DISTANCE CUT-OFF
93.0 889. DISTANCE CUT-OFF
94.0 448. DISTANCE CUT-OFF
95.0 0.1 ANGLE CUT-OFF
96.0 574. DISTANCE CUT-OFF
97.0 785. DISTANCE CUT-OFF
98.0 953. DISTANCE CUT-OFF
99.0 806. DISTANCE CUT-OFF
100.0 460. DISTANCE CUT-OFF
101.0 0.0 ANGLE CUT-OFF
102.0 388. DISTANCE CUT-OFF
103.0 0.1 ANGLE CUT-OFF
104.0 0.0 ANGLE CUT-OFF
105.0 0.6 ANGLE CUT-OFF
106.0 0.2 ANGLE CUT-OFF
107.0 940. DISTANCE CUT-OFF
108.0 849. DISTANCE CUT-OFF
109.0 680. DISTANCE CUT-OFF
110.0 966. DISTANCE CUT-OFF
111.0 964. DISTANCE CUT-OFF
112.0 731. DISTANCE CUT-OFF
113.0 0.1 ANGLE CUT-OFF
114.0 453. DISTANCE CUT-OFF
115.0 848. DISTANCE CUT-OFF
116.0 814. DISTANCE CUT-OFF
117.0 538. DISTANCE CUT-OFF
118.0 0.2 ANGLE CUT-OFF
119.0 0.1 ANGLE CUT-OFF
120.0 0.2 ANGLE CUT-OFF
121.0 0.3 ANGLE CUT-OFF

25

15.0 26.1 28.6 5.1 5.8 0.0 0.0 28.6 45.2 5.9-29 74.6 0.0 -1.0 0.4 -80 -35 0.0 -3.2 0.0 2.5 61.8
16.0 25.8 39.3 5.4 5.8 0.0 0.0 39.3 45.2 6.2-28 74.6 0.0 -1.0 0.4 -6.6 -3.4 0.0 -3.1 0.0 2.5 63.4
17.0 25.8 6.6 5.6 5.8 0.0 0.0 6.6 45.3 6.4-3.1 74.6 0.0 -1.0 0.0 -14.3 -3.4 0.0 -3.2 0.0 2.5 55.2
18.0 0.4 ANGLE CUT-OFF
19.0 0.4 ANGLE CUT-OFF
20.0 0.6 ANGLE CUT-OFF
21.0 0.0 ANGLE CUT-OFF
22.0 0.0 ANGLE CUT-OFF
23.0 0.0 ANGLE CUT-OFF
24.0 0.0 ANGLE CUT-OFF
25.0 0.0 ANGLE CUT-OFF
26.0 32.2 42.2 5.7 5.8 0.0 0.0 42.2 6 0.0 0.0 74.1 0.0 -1.0 0.0 -6.3 -4.3 0.0 0.0 2.5 65.0
27.0 35.4 16.9 5.6 5.8 0.0 0.0 16.9 45.5 6.4-2.4 77.4 0.0 -1.0 0.0 -10.3 -4.6 0.0 -1.4 0.0 2.5 62.6
28.0 35.4 30.1 5.3 5.8 0.0 0.0 30.1 45.2 6.2-0.1 77.4 0.0 -1.0 0.0 -7.8 -4.6 0.0 0.1 0.0 2.5 66.4
29.0 35.1 5.1 5.4 5.8 0.0 0.0 5.1 51.8 5.4-8.3 77.4 0.0 -1.0 0.1 -15.5 -4.6 0.0 5.3 0.0 2.5 53.6
30.0 35.0 2.2 5.4 5.8 0.0 0.0 2.2 51.8 5.4-8.3 77.4 0.0 -1.0 0.0 -19.1 -4.6 0.0 -30.1 0.0 2.5 25.1
31.0 35.9 1.1 5.4 5.8 0.0 0.0 1.1 51.8 5.4-8.3 77.4 0.0 -1.0 0.1 -22.3 -4.7 0.0 -30.1 0.0 2.5 21.9
32.0 50.0 1.4 5.4 5.8 0.0 0.0 1.4 51.8 5.4-8.3 77.4 0.0 -1.0 0.0 -21.0 -6.0 0.0 -30.1 0.0 2.5 21.8
33.0 46.8 2.9 5.4 5.8 0.0 0.0 2.9 51.8 5.4-8.3 77.4 0.0 -1.0 0.1 -18.0 -5.7 0.0 -30.0 0.0 2.5 25.3
34.0 46.7 6.6 5.4 5.8 0.0 0.0 6.6 51.8 5.4-8.3 77.5 0.0 -1.0 0.0 -14.4 -5.7 0.0 -1.2 0.0 2.5 57.7
35.0 45.5 3.2 5.3 5.8 0.0 0.0 3.2 6 0.0 0.0 77.3 0.0 -1.0 0.1 -17.5 -5.6 0.0 0.0 2.5 55.8
36.0 53.1 4.9 5.4 5.8 0.0 0.0 4.9 6 0.0 0.0 77.3 0.0 -1.0 0.1 -15.6 -6.2 0.0 0.0 2.5 57.1
37.0 51.9 7.7 5.4 5.8 0.0 0.0 7.7 45.2 6.2-0.1 77.3 0.0 -1.0 0.1 -13.7 -6.1 0.0 -0.1 0.0 2.5 59.0
38.0 46.4 34.6 5.6 5.8 0.0 0.0 34.6 45.4 6.4-1.1 77.3 0.0 -1.0 0.0 -7.2 -5.7 0.0 -0.4 0.0 2.5 65.5
39.0 46.4 20.5 5.6 5.8 0.0 0.0 20.5 6 0.0 0.0 74.4 0.0 -1.0 0.1 -9.4 -5.7 0.0 0.0 2.5 60.9
40.0 47.0 13.6 5.7 5.8 0.0 0.0 13.6 7 0.0 0.0 74.4 0.0 -1.0 0.0 -11.2 -5.7 0.0 0.0 2.5 59.0
41.0 0.0 ANGLE CUT-OFF
42.0 0.0 ANGLE CUT-OFF
43.0 0.0 ANGLE CUT-OFF
44.0 0.0 ANGLE CUT-OFF
45.0 0.3 ANGLE CUT-OFF
46.0 0.4 ANGLE CUT-OFF
47.0 325. DISTANCE CUT-OFF
48.0 0.0 ANGLE CUT-OFF
49.0 0.0 ANGLE CUT-OFF
50.0 0.0 ANGLE CUT-OFF
51.0 0.0 ANGLE CUT-OFF
52.0 0.0 ANGLE CUT-OFF
53.0 0.0 ANGLE CUT-OFF
54.0 0.0 ANGLE CUT-OFF
55.0 0.0 ANGLE CUT-OFF
56.0 0.1 ANGLE CUT-OFF
57.0 0.0 ANGLE CUT-OFF
58.0 0.0 ANGLE CUT-OFF
59.0 0.0 ANGLE CUT-OFF
60.0 0.0 ANGLE CUT-OFF
61.0 0.0 ANGLE CUT-OFF
62.0 0.0 ANGLE CUT-OFF
63.0 0.0 ANGLE CUT-OFF
64.0 0.0 ANGLE CUT-OFF
65.0 0.0 ANGLE CUT-OFF
66.0 0.1 ANGLE CUT-OFF
67.0 0.2 ANGLE CUT-OFF
68.0 0.2 ANGLE CUT-OFF
69.0 0.2 ANGLE CUT-OFF
70.0 0.1 ANGLE CUT-OFF
71.0 311. DISTANCE CUT-OFF
72.0 511. DISTANCE CUT-OFF
73.0 657. DISTANCE CUT-OFF
74.0 692. DISTANCE CUT-OFF
75.0 0.1 ANGLE CUT-OFF
76.0 0.0 ANGLE CUT-OFF
77.0 0.4 ANGLE CUT-OFF
78.0 392. DISTANCE CUT-OFF
79.0 793. DISTANCE CUT-OFF
80.0 902. DISTANCE CUT-OFF
81.0 920. DISTANCE CUT-OFF
82.0 0.4 ANGLE CUT-OFF
83.0 0.3 ANGLE CUT-OFF
84.0 0.1 ANGLE CUT-OFF
85.0 324. DISTANCE CUT-OFF

27

122.0 0.1 ANGLE CUT-OFF
123.0 0.2 ANGLE CUT-OFF
124.0 0.4 ANGLE CUT-OFF
125.0 360. DISTANCE CUT-OFF
126.0 359. DISTANCE CUT-OFF
127.0 0.5 ANGLE CUT-OFF
128.0 0.2 ANGLE CUT-OFF
129.0 0.1 ANGLE CUT-OFF
130.0 0.3 ANGLE CUT-OFF
131.0 0.2 ANGLE CUT-OFF
132.0 0.3 ANGLE CUT-OFF
133.0 433. DISTANCE CUT-OFF
134.0 0.7 ANGLE CUT-OFF
135.0 664. DISTANCE CUT-OFF
136.0 455. DISTANCE CUT-OFF
137.0 0.3 ANGLE CUT-OFF
138.0 599. DISTANCE CUT-OFF
139.0 644. DISTANCE CUT-OFF
140.0 177.8 13.2 5.2 5.8 0.0 0.0 13.2 51.0 54.8-30.0 68.2 0.0 -1.0 0.0 -11.3 -11.3 0.0 -8.2 0.0 2.5 38.9
141.0 651. DISTANCE CUT-OFF
142.0 641. DISTANCE CUT-OFF
143.0 492. DISTANCE CUT-OFF
144.0 0.6 ANGLE CUT-OFF
145.0 157.2 1.1 5.4 5.8 0.0 0.0 1.1 727 43.3-30.2 68.5 0.0 -1.0 0.0 -22.0 -10.8 0.0 -31.6 0.0 2.5 5.6
146.0 0.2 ANGLE CUT-OFF
147.0 0.2 ANGLE CUT-OFF
148.0 0.3 ANGLE CUT-OFF
149.0 689. DISTANCE CUT-OFF
150.0 690. DISTANCE CUT-OFF
151.0 714. DISTANCE CUT-OFF
152.0 722. DISTANCE CUT-OFF

6 N6

REPEAT NO. 0

CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL
3.0 77.1 4.0 68.2

*** CONTRIBUTION FROM New Road IS 77.1 DBA L10 (1-HOUR)

*** CONTRIBUTION FROM Existing Road IS 68.2 DBA L10 (1-HOUR)

*** CONTRIBUTION FROM Overall IS 77.6 DBA L10 (1-HOUR)

7 N7

HEIGHT OF RECEIVER ABOVE DATUM= 11.2 HEIGHT ABOVE LOCAL GROUND LEVEL= 11.2

SEGMENT DIST ANGLE HT AV HT PER SPD SCR N MAJOR BARRIER BASIC <-----> CORRECTIONS <-----> SEG-
NUMBER ANGE OF OF OF CENT CHNG ANGLE ----- NOISE LOW SUR- GRAD ANGLE HARD SOFT BAR- RET REFL MENT
VIEW C/WAY PROP N SORT NO HT ATT LEVEL FLOW FACE IDENT VIEW GRND EXCE RIER CUT TION TOTAL
1.0 13.6 4.3 5.6 5.8 0.0 0.0 4.3 6 0.0 0.0 75.6 0.0 -1.0 0.0 -16.2 -1.2 0.0 0.0 0.0 2.5 59.7
2.0 13.9 13.2 4.1 5.8 0.0 0.0 13.2 6 0.0 0.0 75.6 0.0 -1.0 0.0 -1.3 -1.3 0.0 0.0 0.0 2.5 74.5
3.0 13.6 1.8 4.6 5.8 0.0 0.0 1.8 6 0.0 0.0 75.6 0.0 -1.0 0.0 -19.9 -1.2 0.0 0.0 0.0 2.5 56.0
4.0 13.8 10.9 4.4 5.8 0.0 0.0 10.9 50.4 64.4-30.0 75.6 0.0 -1.0 0.0 -12.2 -1.3 0.0 -3.5 0.0 2.5 60.1
5.0 14.0 2.2 4.3 5.8 0.0 0.0 2.2 50.4 64.4-30.0 75.6 0.0 -1.0 0.0 -19.2 -1.4 0.0 -30.1 0.0 2.5 28.4
6.0 0.4 ANGLE CUT-OFF
7.0 0.3 ANGLE CUT-OFF
8.0 30.1 4.2 4.3 5.8 0.0 0.0 4.2 50.4 64.4-30.0 74.6 0.0 -1.0 0.0 -16.3 -4.0 0.0 -30.1 0.0 2.5 25.7
9.0 27.1 1.8 4.4 5.8 0.0 0.0 1.8 50.4 64.4-30.0 74.6 0.0 -1.0 0.0 -20.0 -3.6 0.0 -8.3 0.0 2.5 44.2
10.0 26.5 2.1 4.4 5.8 0.0 0.0 2.1 46.2 5.2-2.3 74.6 0.0 -1.0 0.0 -19.3 -3.6 0.0 -2.4 0.0 2.5 50.8
11.0 21.7 5.4 4.4 5.8 0.0 0.0 5.4 46.3 5.3-1.9 74.6 0.0 -1.0 0.1 -15.2 -2.8 0.0 -2.2 0.0 2.5 56.0
12.0 25.8 7.1 4.5 5.8 0.0 0.0 7.1 44.8 5.4-1.5 74.6 0.0 -1.0 0.0 -14.0 -3.5 0.0 -0.4 0.0 2.5 58.2
13.0 26.9 2.9 4.6 5.8 0.0 0.0 2.9 45.1 5.4-2.3 74.6 0.0 -1.0 0.5 -18.0 -3.6 0.0 -2.3 0.0 2.5 52.7
14.0 26.2 35.0 4.8 5.8 0.0 0.0 35.0 45.2 5.7-2.7 74.6 0.0 -1.0 0.3 -7.1 -3.5 0.0 -3.0 0.0 2.5 62.8

26

86.0 0.1 ANGLE CUT-OFF
87.0 0.1 ANGLE CUT-OFF
88.0 0.1 ANGLE CUT-OFF
89.0 0.4 ANGLE CUT-OFF
90.0 0.1 ANGLE CUT-OFF
91.0 0.1 ANGLE CUT-OFF
92.0 827. DISTANCE CUT-OFF
93.0 883. DISTANCE CUT-OFF
94.0 430. DISTANCE CUT-OFF
95.0 0.1 ANGLE CUT-OFF
96.0 590. DISTANCE CUT-OFF
97.0 796. DISTANCE CUT-OFF
98.0 955. DISTANCE CUT-OFF
99.0 796. DISTANCE CUT-OFF
100.0 443. DISTANCE CUT-OFF
101.0 0.0 ANGLE CUT-OFF
102.0 406. DISTANCE CUT-OFF
103.0 0.2 ANGLE CUT-OFF
104.0 0.0 ANGLE CUT-OFF
105.0 0.4 ANGLE CUT-OFF
106.0 0.2 ANGLE CUT-OFF
107.0 944. DISTANCE CUT-OFF
108.0 859. DISTANCE CUT-OFF
109.0 694. DISTANCE CUT-OFF
110.0 946. DISTANCE CUT-OFF
111.0 962. DISTANCE CUT-OFF
112.0 718. DISTANCE CUT-OFF
113.0 0.1 ANGLE CUT-OFF
114.0 470. DISTANCE CUT-OFF
115.0 857. DISTANCE CUT-OFF
116.0 824. DISTANCE CUT-OFF
117.0 554. DISTANCE CUT-OFF
118.0 0.2 ANGLE CUT-OFF
119.0 0.1 ANGLE CUT-OFF
120.0 0.1 ANGLE CUT-OFF
121.0 0.2 ANGLE CUT-OFF
122.0 0.1 ANGLE CUT-OFF
123.0 0.2 ANGLE CUT-OFF
124.0 0.4 ANGLE CUT-OFF
125.0 343. DISTANCE CUT-OFF
126.0 341. DISTANCE CUT-OFF
127.0 0.4 ANGLE CUT-OFF
128.0 0.2 ANGLE CUT-OFF
129.0 0.1 ANGLE CUT-OFF
130.0 0.2 ANGLE CUT-OFF
131.0 0.1 ANGLE CUT-OFF
132.0 0.2 ANGLE CUT-OFF
133.0 419. DISTANCE CUT-OFF
134.0 0.7 ANGLE CUT-OFF
135.0 665. DISTANCE CUT-OFF
136.0 441. DISTANCE CUT-OFF
137.0 0.3 ANGLE CUT-OFF
138.0 606. DISTANCE CUT-OFF
139.0 647. DISTANCE CUT-OFF
140.0 179.8 14.2 5.2 5.8 0.0 0.0 14.2 71.9 43.3-30.0 68.2 0.0 -1.0 0.0 -11.0 -11.3 0.0 -1.4 0.0 2.5 46.0
141.0 652. DISTANCE CUT-OFF
142.0 643. DISTANCE CUT-OFF
143.0 504. DISTANCE CUT-OFF
144.0 0.6 ANGLE CUT-OFF
145.0 1.0 ANGLE CUT-OFF
146.0 0.2 ANGLE CUT-OFF
147.0 0.1 ANGLE CUT-OFF
148.0 0.2 ANGLE CUT-OFF
149.0 677. DISTANCE CUT-OFF
150.0 678. DISTANCE CUT-OFF
151.0 703. DISTANCE CUT-OFF
152.0 711. DISTANCE CUT-OFF

7 N7

REPEAT NO. 0

28

CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL
3.0 77.3 4.0 63.5

*** CONTRIBUTION FROM New Road IS 77.3 DBA L10 (1-HOUR)

*** CONTRIBUTION FROM Existing Road IS 63.5 DBA L10 (1-HOUR)

*** CONTRIBUTION FROM Overall IS 77.4 DBA L10 (1-HOUR)

8 NB
HEIGHT OF RECEIVER ABOVE DATUM= 11.2 HEIGHT ABOVE LOCAL GROUND LEVEL= 11.2

SEGMENT DIST ANGLE HT AV HT PER SPD SCR N MAJOR BARRIER BASIC CORRECTIONS SEG-
NUMBER ANCE OF OF OF CENT CHNG ANGL NOISE LOW SUR- GRAD ANGLE HARD SOFT BAR- RET REF LMENT

Table with columns for segment number, distance, angle, height, etc. Rows include data for various road segments and cut-off points.

29

Table with columns for segment number, distance, angle, height, etc. Rows include data for various road segments and cut-off points.

30

Table with columns for segment number, distance, angle, height, etc. Rows include data for various road segments and cut-off points.

8 NB
REPEAT NO. 0

CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL
3.0 76.3 4.0 24.1

*** CONTRIBUTION FROM New Road IS 76.3 DBA L10 (1-HOUR)

*** CONTRIBUTION FROM Existing Road IS 24.1 DBA L10 (1-HOUR)

*** CONTRIBUTION FROM Overall IS 76.3 DBA L10 (1-HOUR)

9 NB
HEIGHT OF RECEIVER ABOVE DATUM= 16.2 HEIGHT ABOVE LOCAL GROUND LEVEL= 16.2

SEGMENT DIST ANGLE HT AV HT PER SPD SCR N MAJOR BARRIER BASIC CORRECTIONS SEG-
NUMBER ANCE OF OF OF CENT CHNG ANGL NOISE LOW SUR- GRAD ANGLE HARD SOFT BAR- RET REF LMENT

Table with columns for segment number, distance, angle, height, etc. Rows include data for various road segments and cut-off points.

31

Table with columns for segment number, distance, angle, height, etc. Rows include data for various road segments and cut-off points.

9 NB

SEGMENT DIST ANGLE HT AV HT PER SPD SCR N MAJOR BARRIER BASIC CORRECTIONS SEG-
NUMBER ANCE OF OF OF CENT CHNG ANGL NOISE LOW SUR- GRAD ANGLE HARD SOFT BAR- RET REF LMENT

Table with columns for segment number, distance, angle, height, etc. Rows include data for various road segments and cut-off points.

32

77.0 0.2 ANGLE CUT-OFF
78.0 362. DISTANCE CUT-OFF
79.0 838. DISTANCE CUT-OFF
80.0 978. DISTANCE CUT-OFF
81.0 1035. DISTANCE CUT-OFF
82.0 0.1 ANGLE CUT-OFF
83.0 0.0 ANGLE CUT-OFF
84.0 0.0 ANGLE CUT-OFF
85.0 0.1 ANGLE CUT-OFF
86.0 0.2 ANGLE CUT-OFF
87.0 0.0 ANGLE CUT-OFF
88.0 0.2 ANGLE CUT-OFF
89.0 0.0 ANGLE CUT-OFF
90.0 0.1 ANGLE CUT-OFF
91.0 338. DISTANCE CUT-OFF
92.0 951. DISTANCE CUT-OFF
93.0 942. DISTANCE CUT-OFF
94.0 399. DISTANCE CUT-OFF
95.0 0.2 ANGLE CUT-OFF
96.0 715. DISTANCE CUT-OFF
97.0 923. DISTANCE CUT-OFF
98.0 1055. DISTANCE CUT-OFF
99.0 831. DISTANCE CUT-OFF
100.0 415. DISTANCE CUT-OFF
101.0 0.1 ANGLE CUT-OFF
102.0 523. DISTANCE CUT-OFF
103.0 0.2 ANGLE CUT-OFF
104.0 0.1 ANGLE CUT-OFF
105.0 0.1 ANGLE CUT-OFF
106.0 0.0 ANGLE CUT-OFF
107.0 1053. DISTANCE CUT-OFF
108.0 982. DISTANCE CUT-OFF
109.0 821. DISTANCE CUT-OFF
110.0 1052. DISTANCE CUT-OFF
111.0 1047. DISTANCE CUT-OFF
112.0 730. DISTANCE CUT-OFF
113.0 0.0 ANGLE CUT-OFF
114.0 591. DISTANCE CUT-OFF
115.0 977. DISTANCE CUT-OFF
116.0 948. DISTANCE CUT-OFF
117.0 679. DISTANCE CUT-OFF
118.0 354. DISTANCE CUT-OFF
119.0 0.1 ANGLE CUT-OFF
120.0 0.2 ANGLE CUT-OFF
121.0 0.1 ANGLE CUT-OFF
122.0 0.0 ANGLE CUT-OFF
123.0 0.0 ANGLE CUT-OFF
124.0 0.3 ANGLE CUT-OFF
125.0 305. DISTANCE CUT-OFF
126.0 303. DISTANCE CUT-OFF
127.0 0.3 ANGLE CUT-OFF
128.0 0.1 ANGLE CUT-OFF
129.0 0.0 ANGLE CUT-OFF
130.0 0.1 ANGLE CUT-OFF
131.0 0.1 ANGLE CUT-OFF
132.0 0.0 ANGLE CUT-OFF
133.0 422. DISTANCE CUT-OFF
134.0 415. DISTANCE CUT-OFF
135.0 762. DISTANCE CUT-OFF
136.0 441. DISTANCE CUT-OFF
137.0 0.4 ANGLE CUT-OFF
138.0 723. DISTANCE CUT-OFF
139.0 750. DISTANCE CUT-OFF
140.0 281.2 10.7 5.2 8.4 0.0 0.0 10.7 720 43.3-30.0 68.2 0.0 -1.0 0.0 -12.2-13.2 0.0 -2.9 0.0 2.5 41.4
141.0 748. DISTANCE CUT-OFF
142.0 748. DISTANCE CUT-OFF
143.0 630. DISTANCE CUT-OFF
144.0 392. DISTANCE CUT-OFF
145.0 0.4 ANGLE CUT-OFF
146.0 0.0 ANGLE CUT-OFF
147.0 0.2 ANGLE CUT-OFF

33

41.0 176 13.6 5.8 8.4 0.0 0.0 13.6 11 0.0 0.0 74.4 0.0 -1.0 0.1 -11.2 -2.4 0.0 0.0 0.0 2.5 62.4
42.0 193 6.6 5.8 8.4 0.0 0.0 6.6 11 0.0 0.0 74.4 0.0 -1.0 0.0 -14.4 -2.7 0.0 0.0 0.0 2.5 58.8
43.0 235 12.2 5.4 8.4 0.0 0.0 12.2 10 0.0 0.0 74.4 0.0 -1.0 0.1 -11.7 -3.3 0.0 0.0 0.0 2.5 61.0
44.0 316 1.1 6.3 8.4 0.0 0.0 1.1 10 0.0 0.0 74.4 0.0 -1.0 0.0 -22.0 -4.5 0.0 0.0 0.0 2.5 50.3
45.0 825 2.5 6.6 8.4 0.0 0.0 2.5 9 0.0 0.0 74.4 0.0 -1.0 0.3 -18.5 -8.1 0.0 0.0 0.0 2.5 49.6
46.0 836 2.6 6.8 8.4 0.0 0.0 2.6 9 0.0 0.0 74.4 0.0 -1.0 0.4 -18.4 -8.1 0.0 0.0 0.0 2.5 49.8
47.0 317. DISTANCE CUT-OFF
48.0 0.7 ANGLE CUT-OFF
49.0 1602 5.0 7.0 8.4 0.0 0.0 5.0 10 0.0 0.0 74.0 0.0 -1.0 0.0 -15.6 -10.8 0.0 0.0 0.0 2.5 49.1
50.0 1902 5.7 7.0 8.4 0.0 0.0 5.7 9 0.0 0.0 74.0 0.0 -1.0 0.0 -15.0 -11.6 0.0 0.0 0.0 2.5 48.9
51.0 0.9 ANGLE CUT-OFF
52.0 2109 6.0 7.0 8.4 0.0 0.0 6.0 9 0.0 0.0 74.0 0.0 -1.0 0.0 -14.8 -12.0 0.0 0.0 0.0 2.5 48.7
53.0 2113 4.9 7.0 8.4 0.0 0.0 4.9 10 0.0 0.0 74.0 0.0 -1.0 0.0 -15.7 -12.0 0.0 0.0 0.0 2.5 47.8
54.0 1118 5.7 11.0 8.4 0.0 0.0 5.7 10 0.0 0.0 73.6 0.0 -1.0 0.0 -15.0 -9.5 0.0 0.0 0.0 2.5 50.6
55.0 1199 7.3 9.3 8.4 0.0 0.0 7.3 483 77.7-30.0 73.6 0.0 -1.0 0.0 -13.9 -9.6 0.0 -1.0 0.0 2.5 50.6
56.0 0.8 ANGLE CUT-OFF
57.0 0.4 ANGLE CUT-OFF
58.0 1430 5.2 7.8 8.4 0.0 0.0 5.2 482 77.7-30.0 73.6 0.0 -1.0 0.0 -15.4 -10.4 0.0 -1.9 0.0 2.5 47.4
59.0 1472 3.4 7.3 8.4 0.0 0.0 3.4 3 0.0 0.0 73.6 0.0 -1.0 0.0 -17.3 -10.5 0.0 0.0 0.0 2.5 47.3
60.0 2301 3.1 7.3 8.4 0.0 0.0 3.1 10 0.0 0.0 73.8 0.0 -1.0 1.0 -17.6 -12.4 0.0 0.0 0.0 2.5 46.3
61.0 1987 5.7 7.8 8.4 0.0 0.0 5.7 483 77.7-30.0 73.8 0.0 -1.0 0.4 -15.0 -11.8 0.0 0.0 0.0 2.5 48.9
62.0 0.6 ANGLE CUT-OFF
63.0 0.7 ANGLE CUT-OFF
64.0 1095 6.8 9.3 8.4 0.0 0.0 6.8 3 0.0 0.0 73.8 0.0 -1.0 0.3 -14.2 -9.2 0.0 0.0 0.0 2.5 52.2
65.0 1081 5.2 11.0 8.4 0.0 0.0 5.2 10 0.0 0.0 73.8 0.0 -1.0 0.2 -15.4 -9.2 0.0 0.0 0.0 2.5 50.9
66.0 0.3 ANGLE CUT-OFF
67.0 0.3 ANGLE CUT-OFF
68.0 0.2 ANGLE CUT-OFF
69.0 0.2 ANGLE CUT-OFF
70.0 0.0 ANGLE CUT-OFF
71.0 0.3 ANGLE CUT-OFF
72.0 441. DISTANCE CUT-OFF
73.0 595. DISTANCE CUT-OFF
74.0 634. DISTANCE CUT-OFF
75.0 0.0 ANGLE CUT-OFF
76.0 0.0 ANGLE CUT-OFF
77.0 0.2 ANGLE CUT-OFF
78.0 318. DISTANCE CUT-OFF
79.0 743. DISTANCE CUT-OFF
80.0 870. DISTANCE CUT-OFF
81.0 924. DISTANCE CUT-OFF
82.0 0.1 ANGLE CUT-OFF
83.0 0.0 ANGLE CUT-OFF
84.0 0.0 ANGLE CUT-OFF
85.0 0.2 ANGLE CUT-OFF
86.0 0.2 ANGLE CUT-OFF
87.0 0.0 ANGLE CUT-OFF
88.0 0.2 ANGLE CUT-OFF
89.0 0.1 ANGLE CUT-OFF
90.0 0.1 ANGLE CUT-OFF
91.0 300. DISTANCE CUT-OFF
92.0 848. DISTANCE CUT-OFF
93.0 840. DISTANCE CUT-OFF
94.0 356. DISTANCE CUT-OFF
95.0 0.2 ANGLE CUT-OFF
96.0 642. DISTANCE CUT-OFF
97.0 827. DISTANCE CUT-OFF
98.0 943. DISTANCE CUT-OFF
99.0 741. DISTANCE CUT-OFF
100.0 369. DISTANCE CUT-OFF
101.0 0.1 ANGLE CUT-OFF
102.0 467. DISTANCE CUT-OFF
103.0 0.2 ANGLE CUT-OFF
104.0 0.1 ANGLE CUT-OFF
105.0 0.1 ANGLE CUT-OFF
106.0 0.0 ANGLE CUT-OFF
107.0 941. DISTANCE CUT-OFF
108.0 878. DISTANCE CUT-OFF
109.0 735. DISTANCE CUT-OFF
110.0 941. DISTANCE CUT-OFF
111.0 937. DISTANCE CUT-OFF

35

148.0 0.1 ANGLE CUT-OFF
149.0 700. DISTANCE CUT-OFF
150.0 700. DISTANCE CUT-OFF
151.0 729. DISTANCE CUT-OFF
152.0 738. DISTANCE CUT-OFF
9 N9
REPEAT NO. 0
CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL
3.0 75.3 4.0 60.8
*** CONTRIBUTION FROM New Road IS 75.3 DBA L10 (1-HOUR)
*** CONTRIBUTION FROM Existing Road IS 60.8 DBA L10 (1-HOUR)
*** CONTRIBUTION FROM Overall IS 75.4 DBA L10 (1-HOUR)
10 N10
HEIGHT OF RECEIVER ABOVE DATUM= 16.2 HEIGHT ABOVE LOCAL GROUND LEVEL= 16.2
SEGMENT DIST ANGLE HT AV HT PER SPD SOBN MAJOR BARRIER BASIC CORRECTIONS SEC-
NUMBER ANGE OF OF OF CENT CHNG ANGE NOISE LOW SUR- GRAD ANGLE HARD SOFT BAR- RET REF LEMT
VIEW CAWAY PROPEN SOFT NO. HT ATT LEVEL FLOW FACE IENT VIEW GRND EXCE RIER CUT TION TOTAL
1.0 4.0 1.5 5.6 8.4 0.0 0.0 1.5 11 0.0 0.0 75.6 0.0 -1.0 0.0 -20.9 0.3 0.0 0.0 2.5 56.5
2.0 4.0 5.6 5.1 8.4 0.0 0.0 5.6 11 0.0 0.0 75.6 0.0 -1.0 0.0 -15.1 0.5 0.0 0.0 2.5 62.5
3.0 0.1 ANGLE CUT-OFF
4.0 4.0 1.4 4.4 8.4 0.0 0.0 1.4 11 0.0 0.0 75.6 0.0 -1.0 0.0 -21.2 0.0 0.0 0.0 2.5 55.9
5.0 0.5 ANGLE CUT-OFF
6.0 0.1 ANGLE CUT-OFF
7.0 0.1 ANGLE CUT-OFF
8.0 19.9 1.7 4.3 8.4 0.0 0.0 1.7 460 5.1 -0.4 74.6 0.0 -1.0 0.0 -20.3 -2.8 0.0 -0.4 0.0 2.5 52.6
9.0 0.6 ANGLE CUT-OFF
10.0 0.6 ANGLE CUT-OFF
11.0 0.8 ANGLE CUT-OFF
12.0 14.9 1.2 4.5 8.4 0.0 0.0 1.2 452 5.5 -0.3 74.6 0.0 -1.0 0.0 -21.8 -2.0 0.0 -0.2 0.0 2.5 52.1
13.0 0.4 ANGLE CUT-OFF
14.0 15.8 3.5 4.8 8.4 0.0 0.0 3.5 452 5.9 -0.4 74.6 0.0 -1.0 0.3 -17.1 -2.0 0.0 -0.4 0.0 2.5 56.9
15.0 16.3 2.8 5.1 8.4 0.0 0.0 2.8 452 6.2 -0.5 74.6 0.0 -1.0 0.4 -18.1 -2.1 0.0 -0.5 0.0 2.5 55.8
16.0 15.4 9.4 5.4 8.4 0.0 0.0 9.4 452 6.4 -0.5 74.6 0.0 -1.0 0.4 -12.8 -2.0 0.0 -0.1 0.0 2.5 61.6
17.0 15.5 4.7 5.6 8.4 0.0 0.0 4.7 12 0.0 0.0 74.6 0.0 -1.0 0.0 -15.8 -2.0 0.0 0.0 2.5 58.3
18.0 0.3 ANGLE CUT-OFF
19.0 0.2 ANGLE CUT-OFF
20.0 0.3 ANGLE CUT-OFF
21.0 0.0 ANGLE CUT-OFF
22.0 0.1 ANGLE CUT-OFF
23.0 0.9 ANGLE CUT-OFF
24.0 34.4 16.8 5.9 8.4 0.0 0.0 16.8 10 0.0 0.0 74.1 0.0 -1.0 0.0 -10.3 -4.6 0.0 0.0 2.5 60.7
25.0 40.4 6.6 5.8 8.4 0.0 0.0 6.6 11 0.0 0.0 74.1 0.0 -1.0 0.0 -14.4 -5.2 0.0 0.0 2.5 56.0
26.0 34.0 7.2 5.7 8.4 0.0 0.0 7.2 11 0.0 0.0 74.1 0.0 -1.0 0.0 -4.0 -4.6 0.0 0.0 2.5 67.0
27.0 34.2 21.9 5.6 8.4 0.0 0.0 21.9 11 0.0 0.0 77.4 0.0 -1.0 0.0 -9.2 -4.6 0.0 0.0 2.5 65.1
28.0 34.2 36.8 5.3 8.4 0.0 0.0 36.8 12 0.0 0.0 77.4 0.0 -1.0 0.0 -6.9 -4.6 0.0 0.0 2.5 67.4
29.0 34.4 5.5 5.4 8.4 0.0 0.0 5.5 13 0.0 0.0 77.4 0.0 -1.0 0.1 -15.2 -4.7 0.0 0.0 2.5 59.1
30.0 34.5 2.3 5.4 8.4 0.0 0.0 2.3 13 0.0 0.0 77.4 0.0 -1.0 0.0 -18.9 -4.6 0.0 0.0 2.5 55.4
31.0 33.7 1.0 5.4 8.4 0.0 0.0 1.0 13 0.0 0.0 77.4 0.0 -1.0 0.1 -22.4 -4.6 0.0 0.0 2.5 52.0
32.0 0.6 ANGLE CUT-OFF
33.0 22.8 1.6 5.4 8.4 0.0 0.0 1.6 13 0.0 0.0 77.4 0.0 -1.0 0.1 -20.5 -3.1 0.0 0.0 2.5 55.4
34.0 22.9 3.9 5.4 8.4 0.0 0.0 3.9 13 0.0 0.0 77.5 0.0 -1.0 0.0 -16.6 -3.3 0.0 0.0 2.5 59.1
35.0 24.0 2.2 5.3 8.4 0.0 0.0 2.2 13 0.0 0.0 77.3 0.0 -1.0 0.1 -19.1 -3.4 0.0 0.0 2.5 56.4
36.0 14.9 2.1 5.4 8.4 0.0 0.0 2.1 13 0.0 0.0 77.3 0.0 -1.0 0.1 -19.2 -1.9 0.0 0.0 2.5 57.8
37.0 13.2 3.7 5.4 8.4 0.0 0.0 3.7 13 0.0 0.0 77.3 0.0 -1.0 0.1 -16.8 -1.6 0.0 0.0 2.5 60.5
38.0 16.6 43.3 5.6 8.4 0.0 0.0 43.3 12 0.0 0.0 77.3 0.0 -1.0 0.0 -6.2 -2.2 0.0 0.0 2.5 70.4
39.0 16.5 47.1 5.6 8.4 0.0 0.0 47.1 11 0.0 0.0 74.4 0.0 -1.0 0.1 -5.8 -2.2 0.0 0.0 2.5 68.0
40.0 16.9 31.3 5.7 8.4 0.0 0.0 31.3 11 0.0 0.0 74.4 0.0 -1.0 0.1 -7.6 -2.3 0.0 0.0 2.5 66.0

34

112.0 655. DISTANCE CUT-OFF
113.0 0.0 ANGLE CUT-OFF
114.0 526. DISTANCE CUT-OFF
115.0 871. DISTANCE CUT-OFF
116.0 844. DISTANCE CUT-OFF
117.0 605. DISTANCE CUT-OFF
118.0 317. DISTANCE CUT-OFF
119.0 0.2 ANGLE CUT-OFF
120.0 0.3 ANGLE CUT-OFF
121.0 0.1 ANGLE CUT-OFF
122.0 0.0 ANGLE CUT-OFF
123.0 0.0 ANGLE CUT-OFF
124.0 0.3 ANGLE CUT-OFF
125.0 0.6 ANGLE CUT-OFF
126.0 0.6 ANGLE CUT-OFF
127.0 0.3 ANGLE CUT-OFF
128.0 0.1 ANGLE CUT-OFF
129.0 0.0 ANGLE CUT-OFF
130.0 0.1 ANGLE CUT-OFF
131.0 0.1 ANGLE CUT-OFF
132.0 0.0 ANGLE CUT-OFF
133.0 352. DISTANCE CUT-OFF
134.0 360. DISTANCE CUT-OFF
135.0 649. DISTANCE CUT-OFF
136.0 373. DISTANCE CUT-OFF
137.0 0.5 ANGLE CUT-OFF
138.0 614. DISTANCE CUT-OFF
139.0 637. DISTANCE CUT-OFF
140.0 168.9 17.6 5.2 8.4 0.0 0.0 17.6 716 43.8-30.0 68.2 0.0 -1.0 0.0 -10.1 -11.1 0.0 -2.9 0.0 2.5 45.6
141.0 636. DISTANCE CUT-OFF
142.0 636. DISTANCE CUT-OFF
143.0 533. DISTANCE CUT-OFF
144.0 328. DISTANCE CUT-OFF
145.0 0.5 ANGLE CUT-OFF
146.0 0.0 ANGLE CUT-OFF
147.0 0.2 ANGLE CUT-OFF
148.0 0.2 ANGLE CUT-OFF
149.0 617. DISTANCE CUT-OFF
150.0 618. DISTANCE CUT-OFF
151.0 644. DISTANCE CUT-OFF
152.0 653. DISTANCE CUT-OFF
10 N10
REPEAT NO. 0
CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL CATEGORY LEVEL
3.0 77.1 4.0 59.9
*** CONTRIBUTION FROM New Road IS 77.1 DBA L10 (1-HOUR)
*** CONTRIBUTION FROM Existing Road IS 59.9 DBA L10 (1-HOUR)
*** CONTRIBUTION FROM Overall IS 77.2 DBA L10 (1-HOUR)
*** Calculation Run 1 completed at 12:06:55
Errors : 0
Warnings : 1

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