

MSc (Eng.) in Rail Systems Engineering

Department of Mechanical Engineering

University of Sheffield

**Level Crossings on Rural Railways;
Can the railway industry continue to
subsidise rural settlements ?**

Appendices

John Harvey Tilly

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**A dissertation submitted in partial fulfilment of
the degree requirements for MSc (Eng.)
in Rail Systems Engineering**

Appendix A
Level Crossings Visited and Studied

Appendix A

A.1 Level Crossings Visited and Studied

During the course of this dissertation, the level crossings shown in the table below have been visited, studied and in the vast majority of cases, photographed. A few have been studied during train journeys and one, Bramley, has been studied from other people's¹⁸² photographs. The level crossings on the West Anglia route between London, Stansted, Cambridge and branches have been 'desktop' studied during the course of the author's involvement in the West Anglia Route Modernisation study for Railtrack¹⁸³. The grid references^{184/185} relate to the British National Grid for those crossings in England, Scotland and Wales, and to the Irish Grid for those in Northern Ireland. Within England, this study has included level crossings on Railtrack, the Nene Valley Railway, the Leighton Buzzard Narrow Gauge Railway, Tyneside Metropolitan Railway, Manchester Metrolink, the East Lancashire Railway, the South Tynedale Railway, London Underground and the Romney, Hythe and Dymchurch Railway. The Sheffield Supertram has also been considered for issues surrounding the road/rail interface. All public level crossings on Northern Ireland Railways were visited. The level crossing names are derived from Quail maps¹⁸⁶ which in turn derive their information from official sources. Correct names are shown from local railway signage where this conflicts with Quail.

A.2 Table of Level Crossings Visited and Studied

Crossing Name	Type	Grid Ref	Road Decking	Comments
Railtrack				Gauge 1435 mm
Peterborough - Spalding line				
Folly Bank	AHB	TF171068	Bomac Holdfast	
Stowgate No 21	AHB	TF187105	Bomac	
Lucks Road	AHB	TF224185	Timber	
South Drove	AHB	TF229197	Timber	
London Road	AHB	TF236211	Timber	
Hawthorn Bank	AHB	TF237215	Bomac	
Spalding - Sleaford line				
Blotoft	MCG	TF168378	Timber	Road layout
Malting Lane	AHB	TF204346	Timber	
Golden High Hedges	MCG	TF210339	Timber	
Quadring	AHB	TF215331	Timber	

¹⁸² Photographs of Bramley Level Crossing, Hampshire, David Cornall, Balcombe, Sussex, 1998.

¹⁸³ Level Crossing Report, West Anglia Route Modernisation Study, Halcrow Transmark, for Railtrack plc, 1998.

¹⁸⁴ Ordnance Survey Landranger Series 1:50000 Maps, Ordnance Survey, Southampton, UK.

¹⁸⁵ Ordnance Survey of Northern Ireland Discoverer Series 1:50000 Maps, Ordnance Survey of Northern Ireland.

¹⁸⁶ Quail Maps, The Quail Map Company, Exeter, UK.

Appendix A, Level Crossings Visited and Studied

Sleaford - Boston line				
Swineshead Station	AHB	TF218429	Bomac	
Great Hale Drove No 1	AHB	TF156433	Timber	
Burton Lane No 2	AHB	TF137438	Timber	
Boston - Skegness line				
Boston By-Pass	MCBTMO	TF325432	?	
West Street Junction	MCG	TF323439	Bomac	West of Boston station
Grand Sluice	MCBcctv	TF324445	?	
High Ferry	AHB	TF352495	Strail/Omni ?	
High Ferry Lane	AHB	TF350492	Timber	
Willows Lane	AHB	TF342481	Timber	
Pilleys Lane	AHB	TF330465	Timber	
Willoughby Road	AHB	TF329464	Timber	
Maud Foster	AHB	TF328463	Omni	
Red Cap Lane	ABCL	TF324456	Timber	
Tattershall Road	AHB	TF322450	Bomac	
Seacroft	AOCL	TF546619	Timber	
Havenhouse Station	AHB	TF523599	Timber	
Wainfleet Bypass	AHB	TF504589	Omni	
Matt Pitts Lane	AOCL	TF491592	Timber	
Brewster Lane	AOCL	TF483592	Timber	
Lymn Bank	AOCL	TF467617	Timber Tarmac	
Little Steeping	AHB	TF437612	Timber	
Eastville	AHB	TF406568	Timber	
Boston & Spilsby Road	AHB	TF400560	Timber Tarmac	
Simmon House	AHB	TF379532	Timber	
Old Leake	AHB	TF375526	Bomac	
Thorpe Culvert	MCG	TF473607	Timber	
Wainfleet Station	MCG	TF497588	Timber	
Sleaford - Grantham line				
Quarrington	AHB	TF043447	Strail/Bomac	
Kelby Lane	AHB	TF025435	Timber	
Wilsford	AHB	TF012430	Bomac	
Sudbrook Lane	AHB	SK972444	Timber	
Honnington	AHB	SK942436	Bomac	
Frinkley Lane	AHB	SK939434	Timber	
Hough Lane	AHB	SK931428	Timber/Omni	

Appendix A, Level Crossings Visited and Studied

Newark East Junction to Lincoln line				
Winthorpe	AHB	SK810572	Timber	
Langford	AHB	SK820590	Timber	
Cottage Lane	AHB	SK826603	Strail/Bomac	
Westbrook Lane	MSLUWG	SK830608	Timber	
Collingham Station	AHB	SK837615	Omni	
Cross Lane	AHB	SK840617	Omni	
Swinderby Road	AHB	SK842619	Bomac	
South Scarle	AHB	SK863639	Timber	
Meardsall	MCG	SK866642	Timber	Padlocked OOU
Swinderby Station	MCG	SK868644	?	
Eagle Barnsdale	AHB	SK880655	Timber	
Eagle and Thorpe	AHB	SK892662	Timber Tarmac	
Thorpe on the Hill	AHB	SK902665	Strail	
Hykeham Station	AHB	SK936674	Bomac	
Doddington Road	AHB	SK945681	Bomac	
Boultham	MCBctv	SK954693	Bomac	
Lincoln to Wrawby Junction line				
Reepham	MCBctv	TF042739	?	
Langworth	MCB	TF082760	?	
Halton Le Moor	MCB	TF092975	Strail/Bomac	
Wickenby	MCG	TF084827	Bomac	
Cherry Willingham	AHB	TF032728	Bomac	
Scothern	AHB	TF056769	Timber Tarmac	
Stainton	AHB	TF063783	Timber Tarmac	
Snelland	AHB	TF074805	Timber	
Lissingley	AHB	TF092849	Timber	
Buslingthorpe	AHB	TF094853	Timber	
Market Rasen	MSL	TF107888	Timber	Pfm - Pfm footpath
Walesby	AHB	TF107920	Timber	
Claxby & Usselby	AHB	TF104932	Timber	
Claxby Gatehouse	AHB	TF096959	Timber Tarmac	
No 18 Gatehouse	AHB	TF089983	Timber	Holton
Moortown	AHB	TF079997	Bomac	
Smithfield Road	AHB	TA072013	Timber Tarmac	
North Kelsey	AHB	TA070018	Bomac	

Appendix A, Level Crossings Visited and Studied

Howsham	AHB	TA054042	Bomac	
Railtrack; Miscellaneous				
Brigg	MCG	TA007070	Bomac	
Kirknewton	AHB	NT104671	?	
Brasswell	AHB	NY004758	?	
St Germain's	MCBcctv	NT425750	?	
Endon	AOCL	SJ928532	Timber Tarmac	Biddulph Valley Line NIRU/Derelict
Leverton	AHB	SK785817	Bomac	
Westbrecks	AHB	SK801808	Bomac	
Bonsall Lane	MCG	SK880949	?	
Northorpe	MCG	SK905965	Bomac	
Kettleby	AHB	TA029078	Timber Tarmac	
Hibaldstow	AHB	SE982047	Bomac	
Swinedyke	MSLUWG	SK897957	Timber	
Grassthorpe Lane	MCG	SK785673	?	
Northampton Bridge Street	MCB	SP755595	Bomac	
Banbury Lane	MCBcctv	SP697558	Bomac	
Tile Hill	MCBcctv	SP275775	Bomac	VfT
Canley	MCBcctv	SP308780	Bomac	VfT
Berkswell	MCBcctv	SP244777	Bomac	VfT; Single barriers across whole road.
Launton	AOCL	SP618237	?	
Bicester Eastern Bypass	MCBTMO	SP602229	Strail	Additional barriers for pedestrians
Steeple Claydon	AOCL	SP710264	Timber Tarmac	NIRU
Kiveton Park	MCB	SK507825	?	VfT
Ramsey Road	AHB	TL265965	Bomac	See Appendix H
Shireoaks	MCBcctv	SK555813	?	
Sunningdale	MCBcctv	SU953667	Bomac	'Flashing Red man'
Harbour	MCG	TR233358	Bomac	Folkestone
Unknown name ?	Wicket Gates	TR234364	Timber	Footpath crossing, Folkestone Harbour Branch
Folly Road	MCBcctv	TR234368	Bomac	Folkestone Harbour Branch
Sawley	AHB	SK464328	Strail ?	VfT
Spondon	MCB	SK397352	Bomac	VfT
Wolverton Works	MCG	SP820410	Bomac	Power operated sliding steel gates; Private crossing over rail access line to Wolverton Works; Access for HGV vehicle distribution depot.
Kempston Hardwick	AHBL	TL026448	Bomac	

Appendix A, Level Crossings Visited and Studied

Wootton Broadmead	AHB	TL021436	Bomac	
Marston	AHB	SP995395	Bomac	
Stewartby	MCG	TL015422	Bomac	
Bramley	AHB	SU655595	Bomac	
Mitre Bridge	MCBcctv	TQ223825	Bomac	VfT
Bollo Lane East	MCB	TQ201790	Bomac	
Bollo Lane West	MCB	TQ199791	Omni	
Hixon	AHB	SJ992258	Bomac	
Unknown name ?	MCG & Wicket Gates	SJ996249	Timber	Footpath crossing, MCG padlocked OOU.
Aston by Stone	AHB	SJ916328	Bomac	
Church Lane	MCBcctv	SJ906339	Bomac	VfT
Meaford Crossing	MCB	SJ898345	Bomac	VfT
Whitebridge	UWG	SJ895349	Bomac	VfT
Barlaston	MCB	SJ888383	Bomac	VfT
Wedgewood	MCG	SJ886393	Bomac	VfT
Mow Cop	MCB	SJ844580	Bomac	VfT
Hademore	MCB	SK175081	Bomac	VfT
Guildford - Fareham Line				
Farncombe East	MCBcctv	SU977454	?	VfT
Farncombe Station	MCBcctv	SU975450	?	VfT
Milford	AHB	SU954414	?	VfT
Liss Common	AHB	SU784284	?	VfT
Liss Station	MCBcctv	SU777277	?	VfT
Princes Bridge	AHB	SU772268	?	VfT
Sheet	AHB	SU755247	?	VfT
Little Fernsden	AHB	SU753244	?	VfT
Petersfield	MCB	SU744236	?	VfT
Havant	MCBcctv	SU721066	?	VfT
Bedhampton	MCBcctv	SU706065	?	VfT
Cosham	MCBcctv	SU657052	?	VfT
Derby - Stoke on Trent line				
Cresswell	AHB	SJ975393	Bomac	
Bramshall	AHB	SK055332	Bomac	
Loxley Lane	AHB	SK064327	Bomac	
Dovefields	MSLUWG	SK146312	Timber Tarmac	
Marston (on Dove)	AHB	SK234293	Bomac	Cattle grids etc
Eggington	AHB	SK269296	Bomac	
Willington	AHB	SK299289	Bomac	

Appendix A, Level Crossings Visited and Studied

Findern	AHB	SK300290	Bomac	
Sudbury	MCB	SK162307	Bomac	
Tutbury Crossing	MCB	SK215297	Bomac	
Hilton	MCG	SK261295	Bomac	
Uttoxeter West	MCBcctv	SK096333	Timber	Closed, new bridge
Pinfold	MCB	SK092331	Bomac	Reduced to footpath
Hastings - Ashford line & Lydd Branch				
Warehorne	AHB	TQ991323	Bomac	
Kennardington	AHB	TQ981308	Bomac	
Appledore	AHB	TQ976298	Strail	
Becketts	AHB	TQ961269	Bomac	
Star	AHB	TQ942227	Bomac	
East Guldeford	AHB	TQ935216	Bomac	
Winchelsea	AOCL	TQ900184	Bomac	
Snargate	OC	TQ984279	Timber	
Grove Lane	OC	TQ988275	Timber	
Bowdell	OC	TQ992272	Timber	
King Street	OC	TQ994268	Timber	
Brookland	AOCL	TQ997263	Tarmac	
Bearmans	OC	TR001259	Timber	
Tillery	OC	TR002257	Timber	
Fielders	OC	TR004255	Timber	
Mountain	OC	TR006251	Timber/Mud	
Coldharbour	OC	TR015244	Timber	
Midley	OC	TR023237	Bomac	
Swamp	OC	TR035227	Bomac	
Caldicott	OC	TR042222	Timber	
Lydd Town	MCGTMO	TR049216	Bomac	Adjacent bridge! It is thought that the crossing continues to exist for local 'nuclear' road traffic, too heavy for bridge (Dungeness Nuclear Power Station).
Arlesley - York Line				East Coast Main Line
East Road	MSLUWB	TL192415	?	VfT
Holme Green	MSLUWG	TL192427	?	VfT
No 42 Lindsells	MSLUWG	TL191459	?	VfT
Everton	MCB	TL178524	?	VfT
Tempsford	MCBcctv	TL180542	?	VfT
No 55 Sherrifs	MSLUWG	UtV	?	VfT

Appendix A, Level Crossings Visited and Studied

No 63 Cardells	MSLUWB	UtV	?	VfT
No 65 Angels	MSL	TL212652	?	VfT
No 66	MSL	UtV	?	VfT
Offord & Buckden	MCB	TL218671	?	VfT
Connington North	MCBcctv	TL200862	?	VfT
Holme	MCB	TL198876	?	VfT
Holme Lode	MCBcctv	TL197888	?	VfT
Woodcroft	MCG	TF139050	?	VfT
Helpston	MCB	TF131056	?	VfT
Maxey	MCBcctv	TF122059	?	VfT
Lolham	MCBcctv	TF111070	?	VfT
No 115 Plants	MSLUWG	UtV	?	VfT
Tallington	MCB	TF096086	?	VfT
Greatford	MCBcctv	TF066107	?	VfT
Claypole	MCBcctv	SK856489	?	VfT
Osterfen	MCBcctv	SK854491	?	VfT
Barnby Lane	MCBcctv	SK850495	?	VfT
Balderton	MCBcctv	SK839850	?	VfT
Bullpit Lane	MCBcctv	SK822522	?	VfT
Barnby	MCBcctv	SK814530	?	VfT
Whitehouse Lane	MSL	UtV	?	Footpath with Stiles
Church Lane	MCBcctv	SK794575	?	VfT
Bathley Lane	MCB	SK791588	?	VfT
Norwell Lane	MCBcctv	SK915597	?	VfT
Cromwell Lane	MCBcctv	SK792616	?	VfT
Carlton	MCBcctv	SK793642	?	VfT
Eaves Lane	MSLUWG	UtV	?	VfT
Barrel Lane	MSL	UtV	?	footpath; closed ?
Egmanton	MCBcctv	SK761694	?	VfT
Grove Road	MCB	SK717792	?	VfT
Botany Bay	MCBcctv	SK682829	?	VfT
Barnby Moor & Sutton	MCBcctv	SK674844	?	VfT
Torworth	MCBcctv	SK665866	?	VfT
Ranskill	MCB	SK662878	?	VfT
No 238 Thompsons	MSL ?	SK659890	?	VfT
School Lane	UWG	UtV	?	VfT
Scrooby	UWG	UtV	?	VfT
Manor Farm	UWG	UtV	?	VfT
Rossington	MCBcctv	SK620983	?	VfT
Moat Hills	MCBcctv	SE572045	?	VfT
Dock Hills	MCBcctv	SE571044	?	VfT Leeds line
No 263	MSLUWG	UtV	?	VfT

Appendix A, Level Crossings Visited and Studied

Arksey	MCBcctv	SE575064	?	VfT
Daw Lane	MCBcctv	SE578082	?	VfT
Joan Croft	MCG	SE582105	?	VfT
Dormer Green	MCG	SE585116	?	VfT
Noblethorpe	MCG	SE585118	?	VfT
Barcroft	MCG	SE586130	?	VfT
Heyworth	MCG	SE587138	?	VfT
Moss	MCB	SE588144	?	VfT
Fenwick	MCG	SE589162	?	VfT
Balne Lowgate	MCG	SE591180	?	VfT
Balne	MCB	SE592190	?	VfT
Earfit Lane	MSLUWG	SE560456	?	VfT
Copmanthorpe No 2	MSLUWG	SE573476	?	VfT
Selby - Hull Line				
Hagg Lane	AHB	SE679319	Bomac	
Woodhall Lane	AHB	SE695316	Bomac Timber	
Wressle	AHB	SE710313	Bomac	
Cross Common	AHB	SE716312	Bomac	
Rowland Hall	AHB	SE725310	Bomac	
Eastrington	AHB	SE800295	Bomac	
Broomfleet	MCB	SE877279	Bomac	
Cave Crossing	MCB	SE887277	Bomac	Mechanical Barriers operated by gate wheel
Crabley Creek	MCG	SE904274	Bomac	
Melton Lane	MCTMB	SE970257	Bomac	
Bennetland	UWG	SE828289	Timber	Footpath only, road gates padlocked
Bellasize	UWGRbS	SE832289	Timber	Released by Giberdyke Junction Signalman
Gilberdyke	UWGRbS	SE832288	Timber	ditto
Hull - Scarborough Line				
Thwaite Gates	MCBcctv	TA052325	Bomac	
Cottingham North	MCBcctv	TA051332	Bomac	
Beverley Parks	AHB	TA046371	Bomac	
Arram	AHB	TA035442	Bomac	
Scorborough	AHB	TA030460	Timber	
Lockington	AHB	TA027469	Tarmac	
Beswick	AHB	TA026481	Timber Tarmac	
Kilnwick	AHB	TA026487	Timber	
Watton	AHB	TA027495	Bomac	

Appendix A, Level Crossings Visited and Studied

Cranswick	AHB	TA028522	Bomac	
Hutton	AHB	TA029534	Bomac	
Nafferton	AHB	TA058585	Bomac	
Nether Lane	AHB	TA061586	Timber	
Lowthorpe	AHB	TA085598	Bomac	
Burton Agnes	AHB	TA107624	Bomac	
Carnaby	AHB	TA149649	Bomac	
Knottingley/Selby/Goole area				
Gowdall Lane	AOCL	SE619223	Bomac	
Field Lane	AOCL	SE622222	Bomac	
Snaith	AOCL	SE642223	Bomac	
West Bank Hall	AHB	SE628239	Bomac	Drax Branch
Jacky Duffin Wood	MSLUWB	SE636245	Bomac	"
Linwith Lane	AHB	SE642247	Bomac	"
Manchester Metrolink				Guage 1435mm
Hagside	MCBctv	SD793090	Bomac	
Queens Road Depot	MSL	SD852005	Timber	Staff footpath
Tyneside Metropolitan Railway				Gauge 1435mm
Callerton Lane	AOCL	NZ190704	Strail	
Bank Foot	AOCL	NZ206689	Strail	
Brunton Lane	AOCL	NZ214689	Strail	
Fawdon	AOCL	NZ228689	Strail	
Howdon	AOCL	NZ325669	Strail	
East Lancashire Railway				Gauge 1435mm
Ramsbottom	MCG	SD793168	Tarmac	
Townsend Fold	MCG	SD802219	Tarmac	
Rawtenstall West	MCG	SD805223	Tarmac	
Nene Valley Railway				Gauge 1435 mm
Ham Lane	AOCL	TF151971	Timber	
Leighton Buzzard Narrow Gauge Railway				Gauge 600 mm
Hockcliffe Road	OC	SP936254	Concrete	
Shenley Hill Road	OC	SP939271	Concrete	

Appendix A, Level Crossings Visited and Studied

South Tynedale Railway				Gauge 600 mm
Alston	MCB	NY717467	?	
Romney, Hythe & Dymchurch Railway				Gauge 381 mm
Botolph's Bridge	AOCL	TR124329	Concrete	
Burmarsh Road	AOCL	TR107306	Concrete	
Dymchurch East	AOCL	TR098294	Concrete	
Dymchurch West	AOCL	TR097292	Concrete	
Jefferstone Lane	AOCL	TR087277	Concrete	
Baldwin Road	AOCL	TR081225	Concrete	
Seaview Road	AOCL	TR082222	Concrete	
Romney Sands Road	AOCL	TR082219	Concrete	
Hull Road	AOCL	TR084208	Concrete	
Lade Road	AOCL	TR084207	Concrete	
Williamson Road	AOCL	TR085205	Concrete	
Battery Road	AOCL	TR090186	Concrete	
Dungeness Road	AOCL	TR091184	Concrete	
London Underground				Gauge 1435 mm
Neasden Depot	MCB	TQ211854	?	
Northern Ireland Railways				Gauge 1600 mm
Antrim - Londonderry Line				
Antrim	MCG	J155871	Omni	
Springfarm	AHB	J147881	Timber Tarmac	
Niblock	AHB	J143888	Tarmac	
Carngranny	AHB	J132894	Tarmac	
Drumsough	AHB	J117905	Timber	
Aughalish	AHB	J106931	Tarmac	
Kellswater South	AHB	J093962	Tarmac	
Kellswater North	AHB	J094968	Tarmac	
Slaght	AHB	J096001	Tarmac	
Galgorm	AHB	D082042	Strail	Video recoding camera/s
Culleybackey South	AHBD	D066053	Bomac	
Culleybackey North	AHBD	D064055	Timber	
Culleybackey Station	AHBD	D063058	Tarmac	
Broughdone	AHB	D058072	Tarmac	
Glarryford	AHB	D055130	Strail	
Killagan	AHB	D045163	Timber	

Appendix A, Level Crossings Visited and Studied

Dunloy	AHB	D022198	Strail	
Galdanagh	AHB	D015212	Strail	
Ballyboyland	AHB	C989262	Strail	Video recoding camera/s
Coldagh	AHB	C933252	Strail	
Balnamore	AHB	C918260	Strail	See Appendix B
Macfin	AHB	C899268	Strail	
Damhead North	AHB	C885295	Strail	Nr. Coleraine
Coleraine	MCB	C853328	Bomac	
Barmouth	AHB	C790354	Tarmac	
Castlerock	MCB	C774360	Timber Tarmac	
Umbra	AHB	C725355	Bomac Timber	
Magilligan	MCBcctv	C707344	Timber	
Clooney	AHB	C694335	Tarmac	
Duncrun East	AHB	C684328	Timber	
Duncrun West	AHB	C682326	Tarmac	
Bellarena	AHB	C669315	Strail	
Carrowreagh	AHB	C654303	Tarmac	
Myroe	AHB	C637263	Tarmac	
Ballykelly	AHB	C615234	Tarmac	
Eglinton	AHB	C521229	Tarmac	
Lock	AHB	C503229	Timber	
Du Pont	AHB	C483223	Tarmac	Private factory crossing
Coleraine - Portrush Branch				
Artillery Road	MCBcctv	C852331	Strail	
Cromore	AHB	C837375	Timber	
Bleach Green - Antrim Line				
Kingsmoss East	TMOG	J302856	Tarmac	NIRU
Kingsmoss West	TMOG	J299857	Tarmac	NIRU
Kingsbog	TMOG	J294859	Tarmac	NIRU
Ballymartin	TMOG	J251865	Tarmac	NIRU
Kilmakee	TMOAHB	J217848	Tarmac	NIRU
Belfast - Dublin Cross Border Line				
Meigh	AHB	J059198	Strail	
Poyntzpass	MCBcctv	J060394	Strail	
William Street	MCB	J077589	Strail	
Lake Street	MCB	J083592	Strail	

Appendix A, Level Crossings Visited and Studied

Bell's Row	MCB	J088596	Strail	
Drumbane	AHB	J145617	Strail	
Moira	AHB	J157619	Strail	
Trummery	AHB	J168621	Strail	
Damhead South	AHB	J187626	Strail	Nr. Lisburn
Robinson's	Occupation	J194627	Timber Ballast	
Maze	AHB	J226635	Strail	
Lissue	AHB	J231636	Strail	
Meeting House Lane	MWL	J290687	Strail	Footpath
Glebe Road	MCB	J292689	Strail	
Belfast - Larne Line				
Jordanstown	AHB	J358841	Strail	Video recoding camera/s
Troopers Lane	AHB	J386868	Strail	
Whitehead	MWL	J475918	Bomac	Pfm - Pfm footpath

A.3 Table of Level Crossings, WARM project

The author was involved in the West Anglia Route Modernisation (WARM) feasibility study undertaken for Railtrack during 1998. Part of the study involved detailed examination of all affected level crossings. The report appendix relating to level crossings has been studied for this dissertation.

Crossing Name	Type	Grid Ref	Road Decking	Comments
Coppermill Lane	UWG	TQ350880	Timber	
Northumberland Park	MCBcctv	TQ349911	Bomac	
Pegamoid	Wicket Gates	TQ354935	Timber	
Brimsgate	MCB	TQ363971	Bomac	
Enfield Lock	MCBcctv	TQ364988	Strail	
Trinity (Marsh) Lane	MCG	TL366011	Strail	
Windmill Lane (Cheshunt)	MCBcctv	TL367024	Strail	
Cadmore Lane	UWG	TL367028	Omni	
Slip Lane	UWG	TL368052	Strail	
Wharf Road	AHB	TL369056	Bomac	
Cozens Lane East	UWG	?	Timber	
Mansers	Wicket Gates	TL380084	?	Footpath
Essex Road (Broxbourne)	MCBcctv	TL383088	Bomac	
Creaseys	UWG	?	?	
Roydon Station	MCB	TL406105	Strail	
Lock	UWG	TL410105	Timber	
Old Lane	Stiles	TL418106	Timber	Footpath

Appendix A, Level Crossings Visited and Studied

No Name 1	Stiles	TL420107	Timber	Footpath
Camps	UWG	TL425109	Timber	
No Name 2	Stiles	TL429111	Timber	Footpath
Robarts No 1	UWG	TL485134	Timber	
Robarts No 3	UWG	TL487137	Timber	
Sawbridgeworth	AHB	TL490150	Bomac	
Spelbrook Lane	MCG	TL489176	?	
Pattens	Stiles	TL488183	Timber	Footpath
Fowlers	UWG	?	Timber	
Gilston	Stiles	TL490189	Timber	Footpath
Thorley	Stiles	TL491192	Timber	Footpath
Twyford Road	Wicket Gates	TL494199	Timber	Footpath
Johnsons	Stiles	TL492216	Timber	Footpath
Parsonage Lane	Wicket Gates	TL494225	Timber	Footpath
Fullers End	MSL Wicket Gates	TL534259	Timber	Footpath
Elsenham Station	MCG/MSL Wicket Gates	TL533270	?	MSL for wicket gates only
Fairheads	MSLUWB	TL497438	Timber	
Trees	MCBcctv	TL517359	Bomac	
Ickleton Road	MCBcctv	TL502427	?	
Hinxton	AHB	TL495445	Bomac	
Duxford	AHB	TL489454	Bomac	
Sawston	UWG	TL479486	Timber	
Sawston (Spicers)	MCBcctv	TL475595	Bomac	
Dernforth	MSLUWG	TL468507	Timber	
Shelford	MCBcctv	TL465523	Bomac	
Granhams	MCBcctv	TL463528	Omni	
Dukes	UWG	TL463529	?	
Park Lane	MCG	TL355005	Bomac	
St. Margarets	MCBcctv	TL382118	Bomac	
Ware	MCB	TL358140	?	
Mead Lane	Wicket Gates	TL338133	Timber	Footpath
Lincoln Road	MCG	TQ334961	?	
Highams Park	MCB	TQ386917	Bomac	

Author's Note:

Where the term Bomac is used, it refers to a Bomac type (concrete/polymer concrete) panel, not necessarily manufactured by Bomac. A question mark indicates an uncertain type of decking, usually as a result of the author forgetting to record the detail when the

crossing was visited. The abbreviation Vft means Viewed from Train; The abbreviation UtV means Unable to Verify grid reference from Ordnance Survey map. All the level crossings on the Isle of Wight railways; the Island Line and the Isle of Wight Steam Railway were observed from trains. Detail is not clear in Quail or OS maps, and thus is not shown.

A.4 Details of OS, OSNI and Quail Maps used

- 1 **Ordnance Survey Landranger Series 1:50000 Maps, Ordnance Survey, Southampton, UK;**
- 2 Sheet 88 Durham & Sunderland
- 3 Sheet 101 Scarborough, Bridlington & Filey
- 4 Sheet 103 Blackburn & Burnley
- 5 Sheet 105 York & Selby
- 6 Sheet 106 Market Weighton & surrounding area
- 7 Sheet 107 Kingston upon Hull & surrounding area
- 8 Sheet 109 Manchester
- 9 Sheet 111 Sheffield & Doncaster
- 10 Sheet 112 Scunthorpe
- 11 Sheet 113 Grimsby, Louth & Market Rasen
- 12 Sheet 118 Stoke on Trent & Maccelsfield
- 13 Sheet 121 Lincoln & Newark on Trent
- 14 Sheet 122 Skegness
- 15 Sheet 127 Stafford & Telford
- 16 Sheet 128 Derby & Burton on Trent
- 17 Sheet 129 Nottingham
- 18 Sheet 130 Grantham
- 19 Sheet 131 Boston & Spalding
- 20 Sheet 142 Peterborough
- 21 Sheet 152 Northampton & Milton Keynes
- 22 Sheet 153 Bedford & Huntingdon
- 23 Sheet 164 Oxford, Chipping Norton & Bicester
- 24 Sheet 165 Aylesbury & Leighton Buzzard
- 25 Sheet 176 West London
- 26 Sheet 175 Reading & Windsor
- 27 Sheet 186 Aldershot & Guildford
- 28 Sheet 189 Ashford & Romney Marsh
- 29 Sheet 196 The Solent & Isle of Wight
- 30 Sheet 197 Chichester & The South Downs
- 31 **Ordnance Survey of Northern Ireland Discoverer Series 1:50000 Maps, Ordnance Survey of Northern Ireland;**
- 32 Sheet 4 Coleraine
- 33 Sheet 7 Londonderry
- 34 Sheet 8 Ballymoney
- 35 Sheet 9 Ballymena, Larne
- 36 Sheet 14 Lough Neagh
- 37 Sheet 15 Belfast
- 38 Sheet 20 Craigavon
- 39 Sheet 29 The Mourne
- 40 Greater Belfast Street Map 1:12000, OS of NI, 1994, ISBN 1 873819 22 6.
- 41 **Quail Maps, The Quail Map Company, Exeter, UK;**
- 42 Vol 2, England, East, 1998, ISBN 1 898319 29 4
- 43 Vol 3, Western Region, 1989, ISBN 0 900609 63 X
- 44 Vol 4, London Midland Region, 1990, ISBN 0 900609 74 5
- 45 Vol 5, England South & London Underground, 1994, ISBN 1 898319 07 3
- 46 Vol 6, Ireland, 1995, ISBN 1 898319 12 X