



MARINE



HIGHWAYS



RAILWAYS



ENGINEERING

CONTINUED GROWTH

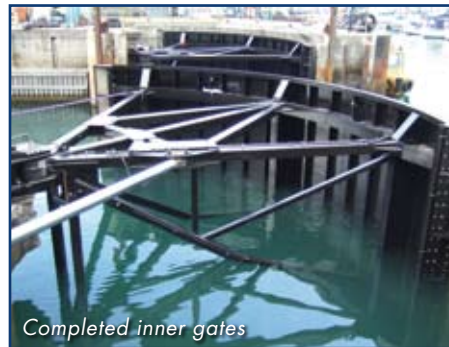
2007 has seen our busiest year to date with increased turnover and client base. Taylor and Sons are becoming known as one of the leading suppliers of water controlled structures adding to their established reputation as a supplier to the Rail and Road Industries.

Steve Lloyd, Engineering Director

Sutton Harbour Sector Gates nearing completion



Inner gate leaf lowered into position



Completed inner gates

Installation of the Sutton Harbour Sector Gates began in September 2007 with a four month planned programme due for completion in early 2008.

The lengthy programme was due to the requirement of Sutton Harbour to maintain a working lock during this period with as little disruption as possible to the local shipping.

The project was complicated by the restricted access to the lock and therefore the major lifts had to be carried out by barge crane with the maximum lift possible of 20t.

Each gate leaf was manufactured in three sections at Taylor and Sons Workshop and transported by road to facilities in Falmouth where they were fabricated as one and painted utilising Taylor and Sons in house personnel before being shipped to Plymouth by barge.

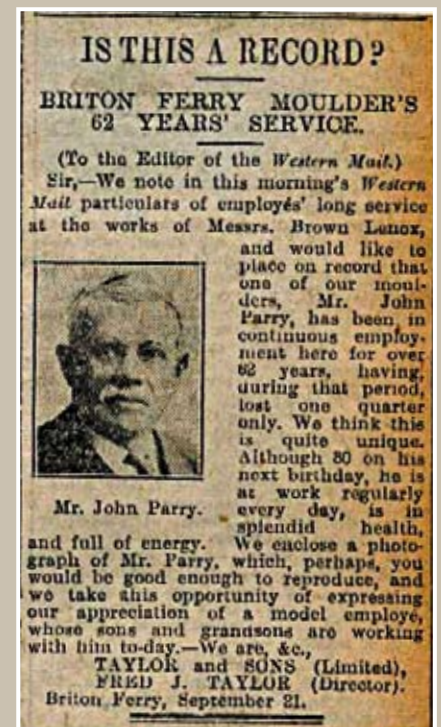
The installation involved removal and disposal of the existing gates as well as the

erection of new. This work was carried out to the gates in the fully retracted position behind purpose built cofferdams which allowed access in and out of the lock. Once erected the gates were finally welded together as one fabrication and then finish painted in situ.

Once painting was complete and seal carriers added the cofferdams were removed which then allowed the gates to close. The new cills were attached to the bottom of the gate and now could be fitted and grouted into position by divers prior to final commissioning of the gates.

Mark Kingdom the Environment Agency Project Manager when asked to give a reference stated "we are half way through a multi million pound project and the attitude and honesty displayed at the start is still present within Taylor's. They are responsive to suggestions and always trying to do their best to reduce cost, deliver to programme and maintain the high quality."

Taylor's Yesterdays... ...Since 1790



Western Mail September 1925
Mr Parry went on to serve another two years service before retiring.

Latest News...

Taylor and Sons preferred contractor to supply and install M&E works for Boston Navigation Link.

Taylor and Sons win contract from BNM Alliance to supply and install a new Radial Gate for Minworth STW.

Wrekin Construction instruct Taylor and Sons to supply a new bridge deck for Network Rail at Prideaux Viaduct.

Taylor and Sons preferred contractor for new Lifeboat slipway at Angle.

Installation of new top hinges for Hythe Marina outer sector gates completed.

Order received from Brentford Dock Marina for lock gate repairs.



TIDAL GATES



FOOTBRIDGE



BOARDWALK



BERTHING JETTY

Denver Sluice – Repeat business for stop Logs



On site at Denver

Following a successful contract to supply stop logs to the EA for Kings Lynn, Taylor and Sons were retained as part of the same team to supply and install stop logs to the Denver Sluice Complex.

The area had suffered with excessive silt which had restricted the operation of the existing Mitre Gates (v-doors), dredging of the area had to be carried out to enable the stop logs to be installed and then an inspection of the Mitre gates was to be carried out with a view to resurrecting the full gate movement.

Taylor and Sons contract included the design, manufacture, supply and installation of 12 off stop logs along with 3 off storage racks required for when the stop logs are not deployed.

Flood Defence at Washlands River Beam



New lift gate

The new lift gate at Washlands River Beam was successfully commissioned at the end of 2007 with approval by the client in January 2008.

Taylor and Sons were initially contracted to supply the mechanicals of the stainless steel lift gate complete with its operating gear, however following discussions the scope was increased to include the gate control system and associated electrical works.

The structure provides flood defence to Dagenham including the well known Ford Dagenham Plant.

Moor Lane Tilting Gate Commissioned



Client looks on

Taylor and Sons have successfully commissioned the new operating gear and control system supplied for the existing tilting gate at Moor Lane.

Initial excessive leakage was corrected by the re-adjustment of the new sealing arrangement.

The contract awarded to Taylor and Sons as principal contractor by the EA, involved the removal of the existing hydraulic torque arm which was replaced with a winch system operated by a Rotork actuator. The scope of supply was inclusive of a new sump pump, access hatches and maintenance access platform as well as minor civil works.

Emergency flap valve repairs at Rainham

Following previous emergency work carried out by Taylor and Sons at Havering, the Environment Agency approached Taylor and Sons with another emergency on a pair of existing flap valves at Rainham. The hinges on the existing flap valves were in immediate need of repair/replacement and required work to prevent the flap valve being detached from its position. Although extremely busy on other EA works Taylor and Sons were able to mobilise at short notice and make initial repairs to support the existing frame and then return at a later date to remove and replace the worn hinges on the flap valves.

People news



James & Robert

During 2007 Robert and James Lloyd (sons of engineering director Steve Lloyd) spent a week at Taylor and Sons on work experience.

During the week the boys were introduced to the various skills within the company as well as visiting sites of recently completed projects.

Addition to the family

Congratulations to company accountant Ian Williams on the birth of his daughter Catrin Emily, born on the 6th Dec 2007.



Ian, Lauren and Catrin



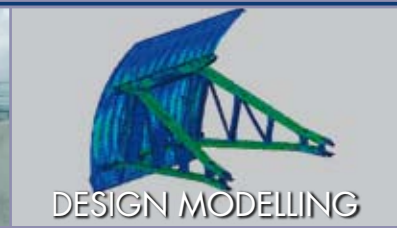
SLUICE GATES



FLOOD GATES



LINK SPANS



DESIGN MODELLING

Replacement Footbridge for Radley Railway Station

Installation of the new footbridge at Radley Station near Oxford was carried out late December 2007 during two night time possessions. A contract awarded to Taylor and Sons by Bideem Rail will be completed early 2008 for opening to the public soon after. This bridge has replaced the original which was taken down previously by Taylor and Sons before being partially refurbished and sent to Didcot Railway Museum.



Radley Station

Taylor and Sons lend a hand

Based on Taylor and Sons site experience they were approached by Edmund Nuttall to assist in the removal of an existing footbridge at St. Austell Railway Station, Cornwall. The bridge was to be replaced by a new resin based constructed footbridge.



Bridge removal

Footbridge for new station

Taylor and Sons have completed the manufacture and installation of a footbridge in readiness for the new station at Llanharan a project awarded to Taylor and Sons by Galliford Try. The new bridge was officially opened on the 17th December 2007.



Llanharan Station

New Footbridge for Cemetery Road Oxford

The existing footbridge spanning the car park at Oxford Station was in need of major repair works.

Taylor and Sons initial contract was to replace one bridge span section complete and refurbish the other three in

situ. However following discussions with the client it was decided that it would be more cost effective to dismantle all four and return them to Taylor and Sons Cardiff workshops for shot blasting and inspection to clarify the extent of refurbishment required.



New span complete



FOOTBRIDGE



SLIPWAYS



STOP LOGS



STRENGTHENING

Refurbishment continues on Carmarthen Bascule Bridge



New deck in situ

Carmarthen Bascule Bridge a listed structure is undergoing several phases of refurbishment by Network Rail. The main contractor Alfred McAlpine had previously used Taylor and Sons in 2005 to refurbish part of the bridge and after going out to Tender for phase 2 Taylor and Sons were again the successful sub contractor to carry

out the replacement of the main deck. Part of the contract included shot blasting and painting parts of the existing structure.

This phase was due to be carried out early December 2007 but due to a poor weather forecast a decision was made to postpone to avoid the possibility of over running engineering works causing major rail disruption.

Whilst the works still needed to go ahead the only other window of opportunity was 2009 or during Christmas Day and Boxing Day 2007. Working bank holidays is not new to Taylor and Sons and the site team decided to delay their Christmas lunch and work through the festive period. Not to be out done the team were joined by Steve Lloyd the Engineering Director to offer his support and appreciation to the men.

Strengthening works at Yeovil River Bridge



Work on Yeovil River Bridge (a contract received from Edmund Nuttall) is ongoing with the extent of the works being increased significantly due to

extra areas of steelwork requiring either replacement or strengthening following an in depth site survey.

The shot blasting and painting as well as the steelwork strengthening has once again been carried out by Taylor and Sons own workforce.

Allensbank, Grangetown, Pontycynon, Watery Lane, Eastborough Way, Brachdy & Maerdy.

During 2007 Taylor and Sons carried out several on site refurbishment projects for Network Rail via their framework contractors including Alfred McAlpine, Birse Rail, Bideem Rail, Carillion and Murphy to name a few.

These projects included steelwork repairs and strengthening along with shot blasting and painting with Taylor and Sons utilising their in house expertise to carry out all activities, a further reason why our clients prefer the 'one stop shop' flexibility of Taylor and Sons rather than several separate sub-contractors.



Extension to pedestrian parapet

Deansgate Colonnade receives much needed attention

Taylor and Sons are renowned for their refurbishment and strengthening works on listed structures, Deansgate colonnade being one of their latest projects, a contract awarded to Taylor and Sons by Galliford Try.

The Colonnade underneath Deansgate Station comprised a series of beams and columns which were in urgent need of refurbishment/replacement. Being a listed structure it was a requirement that any replacement beam was to replicate the existing and this meant the addition of several thousand rivets onto the new steelwork.



New beams ready for despatch