



PROUD MEMBER OF THE



certifications

# AOCP

*Delivering Engineering Excellence*



Reinforced Concrete Pipes



RC Jacking Pipes



Precast Concrete Manholes



Precast Box Culverts



Prestressed Concrete Steel Cylinder Pipes (PCCP)



Precast Chambers



Precast Concrete Road Safety Barriers

**AMIAANTIT OMAN CONCRETE PRODUCTS LLC**

[www.aocpoman.com](http://www.aocpoman.com)

# AACP

## AACP Precast Building Elements



**AOCP has embarked on a new drive in Oman to create first mechanized Precast Building Element production unit**

**Precast** is an industrialized way to build. It means transfer of work from sites to factories. This improves productivity and quality and shortens construction time of a **building**. In short, **precast** concrete lowers total construction costs considerably.

**Below is a site**

Supplier: AOCP

Main Contractor: Oman Fiber Optics-OFO, POP -Bausher Muscat

Owner: Oman Broadband Company





**Below is a site**

Supplier: AOCP

Main Contractor: URBACON GENERAL CONTRACTING

Project: Villa at Azaibah, Muscat



# AOCP

## CONCRETE SAFETY BARRIERS

We manufacture various types and sizes of Concrete Safety Barriers

Broadly classified as

- a) Double Face Barrier for Median
- b) Single Face Barrier for Road Sides
- c) Decorative Barriers



## PRECAST CONCRETE CHAMBERS

1. Fiber Optic Cable Chambers
2. Telecom Chambers
3. House Connection Chambers - Sewerage
4. Catch Pits – For Highway Storm water drainage
5. Valve Chambers



## SLABS

We manufacture a Top & Bottom Slabs for HDPE Chambers & Manholes



## MSE WALL

Mechanically stabilized earth wall is soil retaining wall constructed with Concrete Steel/ Geosynthetics. It can be used for retaining walls, bridge abutments, dams, seawalls, and dikes.



## Concrete Weight Coating

Concrete Weight Coating is achieved by Impingement process, wherein the concrete mix is sprayed utilizing high speed rotating rollers directing concrete to the rotating outer pipe wall.



# AOCP

## **PRECAST CONCRETE BALLAST**

Sea water Intake & Outfall pipe lines use these precast concrete elements to meet the buoyance requirements while installation.



**TETRAPOD** is a four-legged concrete structure used as armor unit on breakwaters. The Tetrapod's shape is designed to dissipate the force of incoming waves by allowing water to flow around rather than against it, and to reduce displacement by allowing a random distribution of Tetrapod's to mutually interlock



## **PRECAST CABLE TRENCH & DRAIN CHANNELS**

We manufacture a wide range of precast cable ducts for the energy market. Our ducts are available with cover slabs to suit all loading conditions.



## **POLE FOUNDATION**

Precast pole bases allow contractors to easily place lamp poles. Instead of having to worry about pouring the bases in place and dealing with weather, concrete strength, correct alignment, the precast lamp pole bases can be set directly in the hole and ready to use.



## **CONCRETE SLEEPERS**

CONCRETE SLEEPERS can be of one piece of uniform dimensions, or of variable dimensions. Concrete sleepers can also consist of two separate blocks connected by a steel tie rod. Exceptionally, the concrete can be poured as two separate longitudinal slabs.



# AOCP

## LEVEL CROSSING

A level crossing usually known as a railroad crossing is an instance of the at-grade intersection (that is, without recourse to a bridge or tunnel) of a railway line and a road or path.

### Advantages

1. Excellent surface finishing
2. RCC slab is directly resting over sleepers and rails are free as normal track.
3. All maintenance work i.e. greasing, replacement of fittings, de-stressing can be done
4. Road traffic can pass smoothly

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### Advantages

1. Extra weight makes track more stable, particularly with changes in temperature.
2. Less maintenance means lower ongoing costs and less track closures.
3. The date of manufacture is usually molded into the top surface

## TUNNEL SEGMENTS

The precision of the precast segments produced are of great significance for a single-shell segment tunnel.

The dimensional accuracy influences the

- a) stability and sustainability of the tunnel lining
- b) the tunnel's tightness against prevailing groundwater
- c) acceptance of the prevailing ring loads (earth and water pressure, grouting pressures, support loads etc.) and
- d) acceptance of the driving loads from the machine passage



LEVEL CROSSING



SLEEPERS



TUNNEL SEGMENTS