

HIGHWAY ENGINEERING IN ETHIOPIA

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What are the expressways in Ethiopia? Some of the expressways so far built in the country include the Addis Ababa - Adama, Modjo - Hawassa, and Dere Dawa - Dewele. The current total distance of expressways in Ethiopia has reached 301 kilometers, she indicated.

What is an example of a trunk road in Ethiopia? The Addis Ababa-Modjo road is approximately 50 km trunk road and very crucial for the country's transportation and tourism sector as it is the main import export corridor to and from the capital, Addis Ababa. The road carries the highest daily traffic in the country.

How many roads are there in Ethiopia? Overview. In 2020 Ethiopia has an estimated 144,024 kilometers (89,492 miles) of all-weather roads – about 41% of the required road network in the country, while in 2022/23 it is estimated to be 180,000km. In the past 15 years, the Government of Ethiopia has been engaged in expanding the road network.

What is the meaning of highway engineering? Highway engineering (also known as roadway engineering and street engineering) is a professional engineering discipline branching from the civil engineering subdiscipline of transportation engineering that involves the planning, design, construction, operation, and maintenance of roads, highways, streets, bridges, and ...

Who built the roads in Ethiopia? the Beginning of road construction in ethiopia Modern road construction was introduced in Ethiopia by Emperor Tewodros II. Late in his ruling period, Tewodros undertook road construction aiming to enhance the movement of his army throughout his domain and curb revolts.

What is the main transportation system of Ethiopia? Addis Ababa is the capital city of Ethiopia. The main form of intercity public transport is buses.

What percent of roads are paved in Ethiopia? The surface and transport infrastructure in Ethiopia are particularly poor and underdeveloped, demonstrated by the fact that the country has the lowest road density in the world and only 13.3 percent of all roads have been paved.

What is road accessibility in Ethiopia? Ethiopia has very limited road infrastructure (21 km of roads per 1000 km²) compared with other African countries. Transport cost is very high in Ethiopia due to the poor road infrastructure. This pushes the consumer prices up to inaccessible levels for most of the vulnerable groups and also penalizes producers.

Is Ethiopia right hand drive? Most of Africa drives on the right side of the road – approximately 41 different countries, including Algeria, Cameroon, Cote D'Ivoire, Gambia, Ghana, Ethiopia, Egypt and Cape Verde.

What is the problem of transportation in Ethiopia? Ethiopia is entering a period of rapid urbanization, and its capital city, Addis Ababa, is experiencing significant road safety issues and traffic congestion. The problem is attributed to inadequate planning for, poor management of, and weak compliance with land-use and transport measures.

What is the infrastructure of Ethiopia? Ethiopia's infrastructure networks are largely isolated from those of neighboring countries. On the transport side, a reasonable road corridor from Addis Ababa to neighboring Djibouti provides access to landlocked Ethiopia's major port. There is also a rail corridor, although it is currently idle.

What is the road density of Ethiopia? Accordingly, the average road density for the low-income countries is 39.5km per 1000 km², whereas Ethiopia's road density at 49km per 1000 km² is greater than the average of low income countries.

What is the use of AutoCAD in highway engineering? With the use of AutoCAD, civil engineers can quickly develop detailed drawings and designs of bridges, roads, buildings, and other such civil projects.

What is pavement in highway engineering? In engineering terms, a pavement means a man-made surface on natural ground that people, vehicles or animals can cross. Any ground surface prepared for transport counts as a pavement.

What does traffic mean in highway engineering? Traffic engineering is that phase of engineering that deals with the planning, geometric design and traffic operations of roads, streets and highways and their networks, terminals, abutting lands and relationships with other modes of transportation for the achievement of safe, efficient and convenient movement of ...

What is the largest expressway in Africa? Kenya has secured \$3.6 billion in investment to build the Usahihi expressway, which is being billed as Africa's largest toll road project. Kenya has secured \$3.6 billion in investment to build the Usahihi expressway, which is being billed as Africa's largest toll road project.

Which country has the best expressway? The US road network exceeds 6.58 million kilometres in total length, making it the world's longest and biggest road network. It comprises approximately 4.3 million kilometres of paved roads including 76,334km of expressways and 2.28 million kilometres of unpaved roads.

What is the biggest intersection in Ethiopia? Meskel Square, Addis Ababa.

What is an expressway? a highway especially planned for high-speed traffic, usually having few if any intersections, limited points of access or exit, and a divider between lanes for traffic moving in opposite directions.

How to install Apache PHP and MySQL?

What is Apache, MySQL, and PHP? Apache is the web server that processes requests and serves web assets and content via HTTP. MySQL is the database that stores all your information in an easily queried format. PHP is the programming language that works with apache to help create dynamic web content.

How to install PHP and MySQL on Windows Server?

How to install PHP with Apache on Windows?

What is the best way to connect PHP and MySQL? To use the connection in your code, simply include the db_connection. php file at the top of your script using PHP's include function (e.g., include 'db_connection. php'). After that, you have two options for connecting to the database: PHP MySQLi Procedural or PHP PDO-Based Database.

How to install Apache PHP and MySQL on Windows 11?

Is it necessary to use PHP with MySQL? PHP and MySQL work together to build websites from nothing on the back end. They are server-side scripts responsible for creating the aspects of the website users do not see that keep all the information stored and keep it running smoothly.

How do Apache PHP and MySQL work together? The process starts when the Apache web server receives requests for web pages from a user's browser. If the request is for a PHP file, Apache passes the request to PHP, which loads the file and executes the code contained in the file. PHP also communicates with MySQL to fetch any data referenced in the code.

Why use Apache with PHP? Shares memory space between Apache and PHP, which can lead to faster communication and data exchange compared to separate processes. Well-suited for small websites or development environments where ease of setup and simplicity are more critical than advanced features.

How to check if PHP is installed? In your web browser, navigate to <https://your-server/phpinfo.php> (be sure to replace “your-server” with your server's IP address or domain name). The installed PHP version will be displayed on the first line of the resulting page.

How to install Apache on Windows?

How to run PHP and MySQL?

How to install Apache PHP MySQL and phpMyAdmin on Windows?

Does PHP install Apache? Before installing PHP you should install Apache (or a preferred web server) and a database service such as MySQL. To install the Apache

package, please refer to our Apache guide.

Can I install PHP without Apache? Can you run PHP without Apache? Sure, you can use nginx or IIS to server php pages. CLI (Command Line Interface) php also doesn't need apache. Yes, you can run php scripts through the CLI interface.

Why is my PHP not connecting to MySQL? Incorrect Credentials. Incorrect credentials cause an authentication failure error and prevent establishing a database connection. To resolve the error, ensure the database parameters are correct (server, username, password, or database name).

How to check if PHP is connected with MySQL? To check if the connection to a MySQL database was successful in PHP, you need to establish a connection using `mysqli_connect()`, check for connection errors using `mysqli_connect_error()`, verify the connection status using `mysqli_ping()`, and retrieve specific error messages using `mysqli_error()` if necessary.

What are the three ways to work with PHP and MySQL?

How to connect MySQL database to Apache server? Starting the MySQL Server To connect to the database server, confirm that the MySQL Database Server is running on your machine, right-click the Databases > MySQL Server node in the Services window and choose Connect. You might be prompted to supply a password to connect to the server.

Do you need XAMPP to run PHP? Why Do You Need XAMPP? To run PHP for the web, you will need to install a web server like Apache and a database like MySQL – and both are supported by XAMPP. XAMPP is a local server that can run smoothly on our personal computer, and is accepted in both Windows and Linux.

How do I know if PHP is installed on Windows 11? You can check PHP version using a command-line interface. Simply run the command `php -v` to display the installed PHP version.

Can I use PHP without MySQL? Yes, of course. PHP is a programming language, mostly used for web development, while MySQL is a database. You don't need a database for every website. Just omit it.

Is PHP and MySQL free? Most programming languages, including PHP and MySQL, are free and open-source. Costs associated with programming typically come from purchasing computer equipment or hosting websites.

Is MySQL and PHP the same thing? PHP is the most popular scripting language for web development. It is free, open source and server-side (the code is executed on the server). MySQL is a Relational Database Management System (RDBMS) that uses Structured Query Language (SQL). It is also free and open source.

What is the difference between Apache PHP and MySQL? The main differences is that they are all different things as you can see below: Apache is the web server that processes requests and serves web assets and content via HTTP. MySQL is a relational database management system. PHP is a server-side scripting language embedded in HTML in its simplest form.

What is the connection procedure to connect PHP and MySQL? Method #2: Connect to MySQL using PHP Data Objects (PDO) Use the following PHP code to connect to MySQL and select a database. Replace username with your username, password with your password, and dbname with the database name:

What is the relationship between Apache MySQL and PHP? Apache, a powerful web server, handles the HTTP requests and serves up HTML pages. MySQL keeps track of every edit, user information and article while PHP works as the glue between the frontend and the database, dynamically generating web pages for users.

How does Apache PHP and MySQL work together? The process starts when the Apache web server receives requests for web pages from a user's browser. If the request is for a PHP file, Apache passes the request to PHP, which loads the file and executes the code contained in the file. PHP also communicates with MySQL to fetch any data referenced in the code.

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How to setup Apache MySQL and PHP on Mac?

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Why use PHP and MySQL together? Key Insights PHP and MySQL are open-source server-side programming languages used to create dynamic websites. They provide flexibility, as they can be used and manipulated on any operating system. PHP and MySQL work together to provide fast web page response times even with slow internet and data speed.

What are the three ways to work with PHP and MySQL?

How to install MySQL and phpMyAdmin? Issue the command `sudo apt-get install phpmyadmin php-mbstring php-gettext -y`. Type in your sudo password when prompted, and then allow the installation to complete.

How to manually install phpMyAdmin? Manual PhpMyAdmin Installation You may need to install phpMyAdmin manually. To do so, download the latest version of the software from the official project download page. Then, upload the downloaded archive on your account via FTP in the `public_html` folder.

Where is PHP installed on Windows? On Windows the default path for the `php.ini` file is the Windows directory. If you're using the Apache webserver, `php.ini` is first searched in the Apaches install directory, e.g. `c:\program files\apache group\apache`.

What is Apache and MySQL? Apache Web Server is a web server engine, that accepts HTTP requests and returns HTML documents and other files. MySQL is a relational database management system, that uses Structured Query Language to process requests to store and retrieve data.

How to connect Apache and MySQL in XAMPP?

What is the JDBC driver for MySQL? JDBC (Java Database Connectivity) is a programming interface that lets Java applications access a relational database. SuperCHANNEL needs a JDBC driver so that it can access the relational database system (e.g. SQL Server, Oracle, etc) where your source data is stored.

How to run PHP and MySQL?

Is Apache installed by default on Mac? Out of the box, macOS comes with a version of Apache. It used to come with PHP too, but this was removed in macOS Monterey. We could easily use the built-in Apache version, but there are a couple of drawbacks with this approach.

How to manually install PHP on Mac?

What is Kotter's 8 step process for leading change?

What does Kotter say about leadership? Kotter tells us that management is focused on creating order through processes, whereas leadership is focused on creating change through a vision. More specifically, for example, leadership creates a vision, and management creates deadlines.

How do I apply John Kotter's theory of change?

What is the leading change concept?

What is Leading Change by John Kotter about? In Leading Change, he presents a tried-and-true approach that organizations can follow to induce positive change within their ranks. Before presenting his recipe for inducing proactive and positive change within an organization, Kotter analyses how and why major change efforts often fail within organizations.

What is the Leading Change program? Overview. The Leading Change Fellowship is a transformative virtual program aimed at empowering young professionals aged 19-35 residing across Canada from diverse backgrounds to emerge as leaders in sustainability.

Why is Kotter's change model the best? Kotter's 8-Step Change Model is a popular change management model. It empowers organizations to accelerate

organizational change through proper planning, mobilizing employees, removing friction, and instituting change into a company's culture.

What are the three necessary elements of leading change? So, master change management by planning for these three key elements: vision, method, and will. Anyone trying to make a change and improve – whether a professional athlete or someone ready to make a shift in lifestyle recognizes the value of coaches.

How do you lead change?

What are the disadvantages of Kotter change model? Disadvantages of Kotter's 8-step change management model Some of these disadvantages include: Vagueness of some steps: By trying to be applicable to all sorts of change initiatives, Kotter's advice is quite vague in its steps and doesn't give direct advice on implementing different kinds of change.

How to create a sense of urgency kotter? How to Create a Sense of Urgency in Change Management. Dr. John Kotter proposes four tactics for establishing urgency: bring the outside in, remain committed to change, find the opportunity in crisis, and deal with no-nos. Bring the outside in.

How do you successfully implement change?

What is an example of leading change? Leaders of change are the ones who engage with the initiative rather than impose change. For example, General Electric transformed its electrical motors business from 0% to 25% ROI by leveraging market intelligence to enhance employee performance through business innovation.

What are the 3 basic steps for leading change?

What is the key principle for leading change? Successful change leaders tend to show the following characteristics: The ability to build coalitions and inspire trust . Strong communication skills at every stage. Emotional intelligence , to pick up on resistance to change and acknowledge the personal difficulties that people have with it.

What is the concept of Leading Change? Leading change requires creating experiences for people that reveal new possibilities, while uniting them to drive

strategies that harness the resources to win in the marketplace. It requires optimizing the culture of an organization while making investments to drive business growth – simultaneously.

What are the concepts of Kotter's change model? Kotter's 8 Step Change Management Model is a process designed to help leaders successfully implement organizational change. This model focuses on creating urgency in order to make a change happen. It walks you through the process of initiating, managing, and sustaining change in eight steps.

How does Kotter define leadership? [1] If management can be understood as the practice of 'getting things done through others', then perhaps leadership should be considered as the art of "getting others to do things". In this way, influencing power is the very essence of leadership.

What are the benefits of leading change? By employing change leadership, leaders can create a type of atmosphere that encourages growth and innovation while implementing continuous improvement, customer-centred design, digitalisation, and lean management methods to gain an edge over competitors.

Why is leading through change important? Leading Through Change Is About People, Not Just Processes In our fast-changing world, the strategic imperative to change is often clear: Without doing things differently, your company is unlikely to succeed, or even last.

How to lead a team through uncertainty? Leaders will need to find ways to create confidence and continuity amid extreme uncertainty. They can do that by creating thick trust, inoculating with vision, increasing honesty and transparency, and framing uncertainty as opportunity.

How to implement change according to John Kotter?

What are the cons of Kotter's model? However, Kotter's model also has some drawbacks, such as being too rigid and prescriptive, requiring a lot of time and resources, and neglecting the emotional and behavioral aspects of change.

What is the main difference between Lewin's and Kotter's change models? Lewin's change model is a three-step process developed to help leaders facilitate

and understand transitions. Kotter's change model employs an eight-step process that addresses the people affected by the change rather than focusing on the change itself.

What are the 3 C's of change leadership?

What is step 3 in leading change? The third step in the process of leading change involves forming a strategic vision. This vision is vital to allow you to demonstrate a strategic direction and to inspire those people who will be involved in the change.

What is the summary of leading change? In *Leading Change*, John P. Kotter argues that in a fully globalized and ever-evolving economic environment, successful firms are those that can implement long-term change. This enables them to stay competitive in a rapidly shifting market, respond effectively to new threats, and take advantage of new opportunities.

What is liquidity approach to money? Liquidity is a method of arranging assets and liabilities on a balance sheet. The most liquid asset will be at the top of the liquidity approach, while the least liquid asset will be at the bottom. Liabilities are recorded in the order in which they are satisfied.

What is the relationship between money supply and liquidity? These two factors play a crucial role in determining the overall health of an economy. Money supply refers to the total amount of money in circulation within an economy, while liquidity refers to the ease with which this money can be converted into cash.

What is the difference between money and liquidity? While many people talk about money and liquidity interchangeably, the reality is these are both very different concepts. While the term money simply refers to the supply of money, the term liquidity relates to the interplay between the supply of and the demand for money.

What are the main characteristics of money is liquidity? In terms of financial instruments, liquidity generally refers to those assets that can be converted into a medium of exchange quickly without a significant loss in value.

What is the liquidity trap for money? A liquidity trap occurs when interest rates are very low, yet consumers prefer to hoard cash rather than spend or invest their money in higher-yielding bonds or other investments. In such cases, the main tool

used by the central bank has failed to be effective.

What is the liquidity theory of money? Liquidity preference theory argues that people prefer to keep assets in a liquid form such as cash rather than in less liquid assets like bonds, stocks, or real estate.

What is the relationship between cash and liquidity? Liquidity refers to the ease with which an asset, or security, can be converted into ready cash without affecting its market price. Cash is the most liquid of assets, while tangible items are less liquid.

What are the measures of liquidity of money? Accounting liquidity may be measured by the current ratio and cash ratio. The current ratio is also referred to as working capital that takes into account the current assets that may be liquidated into cash within a financial year.

How is liquidity linked to cash flow? In its simplest sense, cash flow is the amount of funds coming into and going out of a company during a specified period. The key point to note is that cash flow is purely a measure of liquidity.

Which money has the highest liquidity? Cash is most liquid asset because it is used for buying and selling goods and services instantly without losing its own value.

What is an example of liquidity money?

Is liquidity just cash? Liquidity may take on a different meaning depending on the context, but it always has to do with one thing: cash, or ready money. Liquidity refers to how quickly and easily a financial asset or security can be converted into cash without losing significant value. In other words, how long it takes to sell.

What is the most liquid asset? Cash is the most liquid asset possible as it is already in the form of money. This includes physical cash, savings account balances, and checking account balances.

Is liquidity good or bad? Liquidity is neither good nor bad. Everyone should have liquid assets in their portfolio. However, being all liquid or all illiquid can be risky.

Why would a person want assets with liquidity? And cash is generally considered the most liquid asset. Cash in a bank account or credit union account can be accessed quickly and easily, via a bank transfer or an ATM withdrawal. Liquidity is important because owning liquid assets allows you to pay for basic living expenses and handle emergencies when they arise.

What does liquidity mean in money? Liquidity refers to the efficiency or ease with which an asset or security can be converted into ready cash without affecting its market price.

What is the liquidity money model? The IS-LM model appears as a graph that shows the intersection of goods and the money market. The IS stands for Investment and Savings. The LM stands for Liquidity and Money. On the vertical axis of the graph, 'r' represents the interest rate on government bonds.

What is a liquidity strategy? A liquidity management strategy has three main goals: gain visibility into cash flows and currency positions, maintain control over your liquid assets and optimize the yield from your cash. Your company's organizational structure and corporate culture may influence how you set up your strategy.

What is the liquidity preference approach of demand for money? In macroeconomic theory, liquidity preference is the demand for money, considered as liquidity. The concept was first developed by John Maynard Keynes in his book *The General Theory of Employment, Interest and Money* (1936) to explain determination of the interest rate by the supply and demand for money.

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