

underground

LUNCH & LEARN

BUILDING THE PURPLE LINE IN BETHESDA: A 16-MILE LIGHT RAIL LINE CONNECTION.

October 23rd, 12-1PM
Berthoud Hall Room 241

The Purple Line is a 16-mile light rail line extending from Bethesda in Montgomery County to New Carrollton in Prince George's County. It would provide a direct connection to the Metrorail Red, Green and Orange Lines at Bethesda, Silver Spring, College Park, and New Carrollton. The Purple Line would also connect to MARC, AMTRAK, and local bus services. The Purple Line will operate light rail vehicles mainly in dedicated or exclusive lanes, allowing for fast, reliable transit operations. Twenty-one stations are planned along the route, creating new connections between communities and neighborhoods. As the Purple Line's owner, the Maryland Transit Administration (MTA) is the lead agency, working with the support and close coordination of a team that includes the Washington Metropolitan Transit Authority, Montgomery and Prince George's counties, the Maryland-National Capital Park and Planning Commission, the Maryland State Highway Administration, and local municipalities in the project area. The Bethesda Station South Entrance will tie the existing Washington Metropolitan Area Transit Authority (WMATA) Subway at Bethesda Station to the new Purple Line system. The Train platforms for each system are separated by about 140' of elevation. This is the current underground construction challenge for Traylor Brothers as part of the Purple Line Transit Constructors Team.



Jeff Hammer, as a Project Engineer with Traylor Brothers Underground Division, is currently working on the design build procurement of the Bethesda Station South Entrance, which is part of the 16-mile Purple Line light rail transit construction project. The Purple Line is located in Maryland, south of the I-470 Beltway near the Washington DC triangle. Jeff has over 14 years of heavy civil underground construction experience and a combined 20 years of project management experience. Jeff has been instrumental on several world class underground projects including the Lake Mead Intake No. 3, a 2015 Global Project of the year, and the Idaho Springs Twin Tunnels expansion project.

The westbound Idaho Springs tunnel was also named the 2015 winner in the under budget category for medium projects. Jeff has been involved in 24 tunneling and underground construction projects ranging in contract values from \$65,000 to over \$2 Billion. Jeff's primary focus in underground construction includes tunneling and deep shafts, utilizing drill & blast and sequential excavation methods. As a member of the SME and the ISEE, Jeff has authored papers on underground projects in Nevada and innovative drill and blast techniques in Colorado. Jeff holds a B.S. Degree from the Colorado School of Mines in Civil Engineering and has had extensive graduate level work at the Colorado School of Mines, Mining department, and the University of Nevada Las Vegas in geologic engineering.



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LUNCH WILL BE PROVIDED

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