Request:

This request by the Juvenile Court Administrators and Juvenile Detention staff is to provide reporting capabilities using the Administrative Office of the Courts (AOC) Business Intelligence Tool (BIT) to assist with determining the mental health needs of the youth being served in detention.

Summary of Proposed Solution:

Washington Association of Juvenile Court Administrators' supports two mental health assessments in the Juvenile and Corrections System (JCS):

1. MH-JDAT – Mental Health Juvenile Detention Assessment Tool
2. MAYSI-2 – Massachusetts Assessment Youth Screening Instrument – 2

The Juvenile Detention staff utilize the MH-JDAT and the MAYSI-2 at the AOC to assess the mental health needs of a youth entering a detention facility.

At this time the JCS application does not have a reporting component to compile and provide analytical data, so the other option is to provide the reporting capability within the AOC's BIT. Juvenile Court users would then be able to query the information and create individualized court reports, and have access to three statewide reports.

Scope:

The originating request is to place both tools reporting capability in the BIT. During the analysis phase of the ITG, a reporting structure to include both assessments was determined to be too large of an effort for one ITG request. The Scope of ITG 270 is to only implement the MH-JDAT data availability in BIT. A separate request (ITG 282) has been submitted for MAYSI-2.

Sizing:

The following estimate is based upon the best available information and does not include cost or effort estimates for on-going maintenance of the enhancement.

This request would be accomplished with AOC's internal resources. The system(s) affected by the change would be: JIS Adult Static Risk Assessment (ASRA) database tables in SQL Server, the BIT, and associated data warehouse.

AOC estimates that this project would take nine months to complete. This is an estimate of the duration of the project from the date work would begin on the project until final implementation.

Group	Hours	Tasks
Court Education	3	JCS manual update
Business Analysis	140	Gather and document requirements
Architecture	120	Analysis and design documentation
JCS Developer	70	Knowledge transfer; data reverse engineering; MH-JDAT entity identifications
Maintenance (JCS)	0	Tech analysis/design, documentation and unit testing
Research	40	Technical analysis, and testing
Data Warehouse	1600	Database design and development; BIT Universe design; Report design; BIT Administration
Infrastructure	40	Configure support infrastructure
Quality Control	105	Test specification, and validation
Total		**2118 hours**
Total AOC Staff Costs = $160,968		

ISD staff costs average $76 per hour. Contractor staff generally costs $120 - $150 per hour.

Business Impacts:

This change would require communication to the courts regarding the new information available in BIT. Additional training or education on how to run the BIT reports.

Proposed Solution:

The AOC would create and architect the MH-JDAT results created by JCS into the BIT application. The work required would be as follows:

- Transform each question and answer into its own data element.
- Apply logic for scoring each of the questions.
- Create a filter or grouping of the scoring outcomes.
- Designing JCS information in the BIT application.
- Creating a new universe.
- Applying security.

Assumptions:

MH-JDAT is a supported tool by the Washington Association of Juvenile Court Administrators. Because the tool is supported, it is assumed that any Juvenile Court in Washington State should have this information available for use.

Risks:

The Washington State Center for Court Research, and the Detention Quality Assurance Committee (DQAC) (as of 1/1/2020) have been communicating the need to have a global agreement on using one mental health tool. There is a risk of MH-JDAT being replaced or revamped in a new tool for the following reasons:

1. Tool is out-of-date with current trends regarding Juvenile detention and mental health.
2. A more robust tool could become available.